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Checklist of Austrian neophytes (2nd edition)

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[†]We dedicate this publication to Harald Niklfeld who passed away during its drafting.

Abstract: Twenty-two years after publishing the first edition of the checklist of alien vascular plants introduced to Austria after 1492 (i.e. neophytes), we present a completely revised second edition. For the update presented here, we collected, compiled and standardized data on all known neophytes in Austria with data collection ending September 2022. In addition, we provide information on the regional distribution in the federal states, invasion status, habitat affiliation, the first records, the regions of origin, pathways of introduction and spread, and impacts. The second edition of the Austrian neophyte checklist contains 1,615 taxa – 1,388 species, 7 aggregates, 138 hybrids, 70 subspecies, and 12 lower infraspecific taxa distributed across 135 families. Of these taxa, 548 were newly added in the second edition, which constitutes an increase of 45% of recorded neophyte plant taxa compared to the first edition. A total of 99 taxa included in the first edition of the checklist of neophytes were removed in the edition presented here due to erroneous or doubtful records, or due to being considered native or archaeophytic. The majority of neophytes (1,180) have only casual occurrences in Austria, while 207 taxa are locally established and 226 taxa have become widely established. The habitats showing the highest numbers of neophytes were ruderal (1,420 taxa) and segetal habitats (204 taxa). The most important donor regions for neophytes in Austria are temperate Asia (761 species), followed by Europe (607), North America (389), and Africa (311). While 118 neophytes were known by 1850 in Austria, this number increased to 265 in 1900, 514 in 1950, 1,084 in 2000, and currently 1,615 taxa. Reports of newly introduced taxa show a particularly pronounced increase since the mid-20th century, as 1,056 (65%) were first found after 1950, and 496 (31%) were first recorded after 2000. The most important introduction pathways into Austria are known for 1,016 taxa, with escape (912) and stowaway (118 taxa) being by far the most common pathways. In total, 73 taxa were assessed to have negative impacts in Austria. Specifically, 48 have negative impacts on biodiversity, 26 on agriculture, nine on silviculture, six on human health, three on water management and one taxon negatively impacts animal health. To conclude, the

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revised inventory of neophytes in Austria documents the extraordinary dynamics of neophyte accumulation and spread in a botanically well-explored country and provides a wealth of data for research and environmental management.

Keywords: alien species, biological invasions, distribution, first records, habitats, impacts, inventory, pathways

Introduction

The global exchange of alien species (sensu Blackburn et al. 2011) is increasing rapidly (Seebens et al. 2017), and their accumulation in regional species pools shows no signs of saturation (Seebens et al. 2021). The rapid pace of alien species accumulation is driven by interacting drivers such as increased mobility of people and goods, causing more frequent introductions and higher propagule pressure (Simberloff 2009), climate change (Walther et al. 2009), and increasing environmental degradation (Hulme 2021). Thus, biological invasions have become an essential component of global change, and have been recognized as an important cause of biodiversity change (Vitousek et al. 1997, Pyšek et al. 2020, IPBES 2023).

The spread of alien vascular plants has received substantial attention during the last decades. Accordingly, since the beginning of the 21st century, the availability of regional checklists of alien species has greatly increased (Pyšek et al. 2012). While initially such checklists were often difficult to compare due to different standards of recording (Pyšek 2003), most recent studies use harmonized approaches that facilitate comparative analyses. Further, regional alien plant species checklists were integrated into alien species inventories of large regions such as continents (e.g. DAISIE 2009) and, subsequently, global alien plant species inventories such as GloNAF (van Kleunen et al. 2015). Regional checklists of alien plant species are a valuable resource for studying invasion dynamics (Peruzzi 2018) and for a wide audience of stakeholders (e.g. conservation managers and policy makers).

For Austria, the first checklist of neophytes was published more than 20 years ago (Walter et al. 2002). As biological invasions are highly dynamic, it can be expected that since then many new additions to the alien flora have been documented, and that neophytes that were already present at the turn of the millennium have become more widespread thereafter. Thus, incorporating published and unpublished data from a wide range of sources, we compiled the second, fully revised and expanded Austrian neophyte checklist. Specifically, we provide (i) updated distribution information of all neophytes in Austria (recorded until summer 2022) and its nine federal states, (ii) a classification of invasion status, introduction pathways, and habitat affiliation, (iii) information on the timing of the first records in Austria, (iv) information on species native ranges, (v) an assessment of impacts caused, and (vi) further information and references. In this publication, we present this data and discuss changes in the neophyte flora of Austria between the first and second editions of the neophyte checklist of Austria.

Materials and methods

Study region

Austria is a landlocked country in central Europe with an area of 83,858 km^2. Around two thirds are occupied by mountainous regions of the Alps and the Bohemian Massif in the north with the highest peak being Mount Großglockner (3,798 m a.s.l). The population of around nine million people is concentrated in the lowlands (particularly in the north, east, and south-east), and in the major valleys of the Austrian Alps (Statistik Austria 2023). The climate is temperate and humid with warm summers and cold winters at low elevations, and increasingly harsher climatic conditions at higher altitudes. Due to climate warming, the mean temperatures have risen already by ~2.0 °C between the 1980s and recent years (Geosphere Austria 2025). The landscape at low to medium altitudes is shaped by a long tradition of human land use, and most transport infrastructure and built-up areas are located there. Administratively, Austria is divided into nine federal states. For the purpose of this study, the federal state of Tyrol, which consists of two distinct regions, was split into North and East Tyrol due to ecological and floristic differences (Fig. 1); for simplicity, we refer to these 10 regions as federal states. Due to its central location in Europe and being part of the European Union since 1995, many major routes of transport cross Austria, facilitating the introduction and spread of alien species (Pyšek et al. 2010).

Data compilation of neophyte vascular plans (Fig. 2)

The first edition of the Austrian neophyte checklist (Walter et al. 2002) provided a synthesis of the knowledge of the neophyte flora at the turn of the millennium based on a wide variety of highly dispersed data sources (e.g. floristic publications, local floras, data from the floristic mapping of Austria or unpublished records by experts). For this checklist, only neophytes (i.e. alien vascular plans that were introduced after 1492; Pyšek et al. 2004) were considered, and this criterion was also used for the second edition presented here (see below on how taxa with unclear status were treated). Taxa had to be recorded at least once in the wild – hybrids with at least one neophyte parent species are included in the checklist. Species and subspecies (including neophyte subspecies of native species) are included in the checklist, while lower infraspecific taxa (e.g. horticultural varieties) were excluded, with few exceptions.

After the publication of the first checklist, the underlying database had undergone moderate updates and corrections; it also served as the basis for compiling the second edition of the checklist, for which data compilation was finalized in summer 2022. In a first step, we cross-referenced the Austrian neophyte checklist with the Checklist of Austrian Vascular Plants (Gilli et al. 2019a), which represents the regularly updated consensus checklist of the entire Austrian flora; this national checklist considers both progress in taxonomy and nomenclature and in the national recording of native and alien taxa and their distributions. Thus, the second edition of the checklist presented here closely aligns with the taxonomic and nomenclatural concept used by the Austrian standard flora (Fischer et al. 2008), with some updates reflecting recent nomenclatural and taxonomic progress contained in the Checklist of Austrian Vascular Plants (Gilli et al. 2019a) and the Austrian Red List of Plants (Schratt-Ehrendorfer et al. 2022). Circumscription of families follows the APG IV classification (The Angiosperm Phylogeny Group 2016).

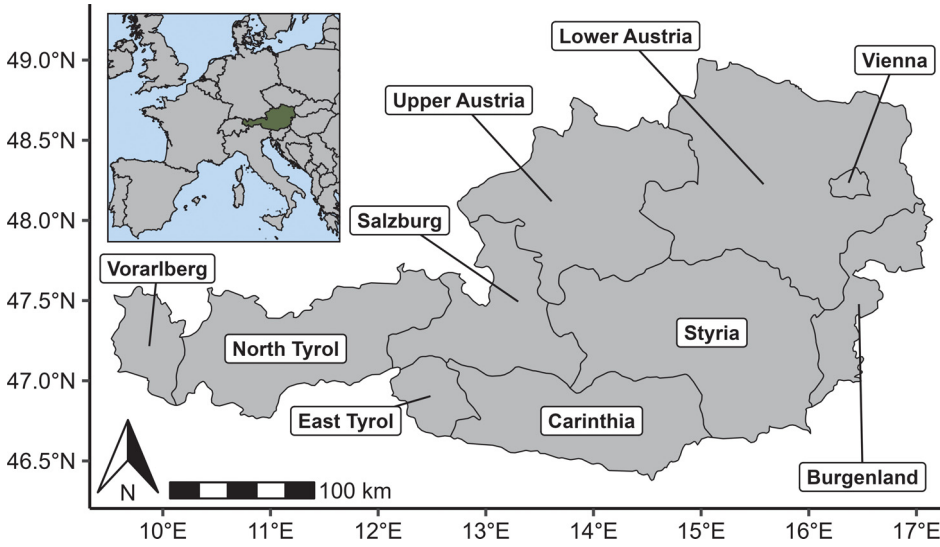


Fig. 1. Austria and its federal states. Note that North Tyrol and East Tyrol are treated separately in this study.

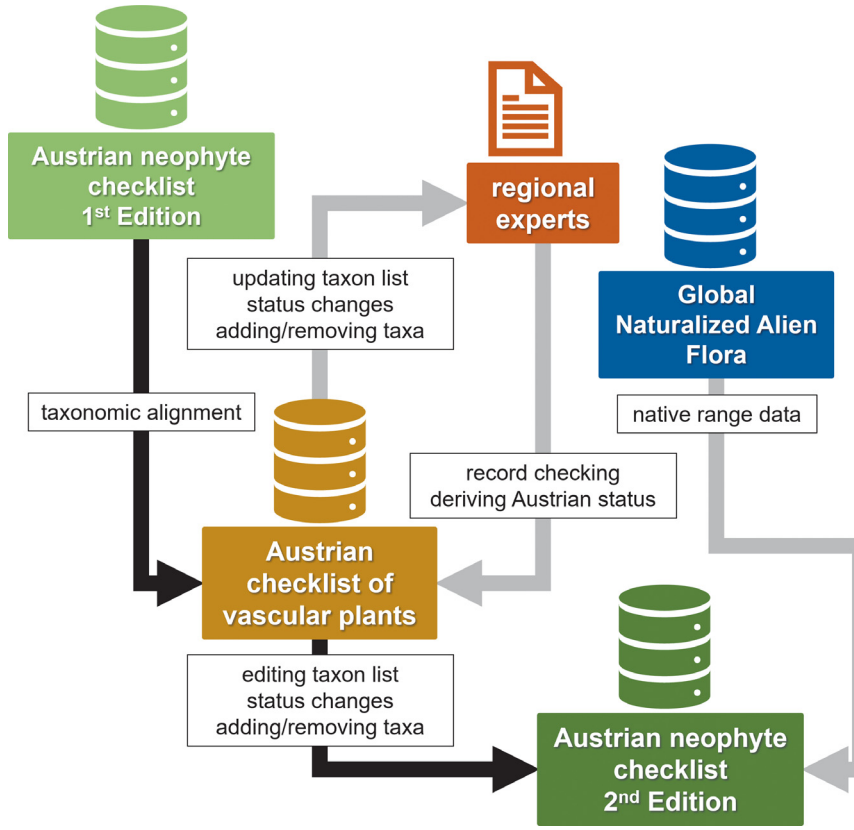


Fig. 2. The workflow for compiling the second edition of the checklist of neophytes for Austria.

Subsequently, we extracted all taxa in the Checklist of Austrian Vascular Plants that are given with a floristic status category which identified them as potential neophytes in Austria and classified them as follows (adopted from Richardson et al. 2000): (i) casual, i.e. taxa that do not form self-sustaining populations, (ii) locally established, i.e. taxa that form few self-sustaining populations restricted to a small area, and (iii) established, i.e. taxa that form self-sustaining populations and are widespread (Appendix 1). For the status per federal state, we expanded the status categories to include (iv) questionable, i.e. taxa with unclear status, (v) erroneous for taxa recorded in error, (vi) cultivated for taxa only known to occur in cultivation, and (vii) planted in the wild for taxa that were deliberately planted by humans and do not form self-sustaining or casual populations. The classification of taxa as either neophytes or archaeophytes comes with uncertainties in some cases. For example, some taxa cultivated before 1492 may have formed casual populations in the wild before 1492, which would qualify them as archaeophytes. However, reliable documentation from that time is prohibitively scarce. Due to the lack of definitive data, we have chosen to retain these taxa as questionable neophytes in the checklist.

Several taxa previously considered neophytes (Walter et al. 2002) were excluded from the second edition of the checklist (Appendix 2). The reasons for exclusion of a taxon fall into the following categories: (i) its correct identification is doubtful, (ii) its biogeographic status is insufficiently resolved and we consider it likely that it is in fact a native or an archaeophyte in Austria, (iii) it was likely planted in the wild.

Subsequently, we shared this preliminary version of the Austrian neophyte checklist with field botanists who actively collect information on plant distributions in Austria. Colleagues were invited to check and update distributions, floristic status, habitat affiliation and first records, as well as relevant references. Feedback was included in revising and updating the parent checklist. The floristic status was assessed for each Austrian federal state. The national floristic status was derived by assigning the highest floristic status category to the national level. For habitat affiliation, we asked regional experts to assess each taxon's habitat preference according to their knowledge; the following nine habitat types were used: (i) forests including forest plantations, (ii) scrub, (iii) tall forb stands, (iv) grasslands including semi-natural and anthropogenic grasslands, (v) aquatic habitats, (vi) wetlands such as bogs, fens and swamps, (vii) rocks and screes, (viii) ruderal habitats and (ix) segetal habitats.

To give an overview of alien plants' impacts in Austria, we conducted an expert-based assessment of impacts; severity of impact was assessed in four categories: (i) large impact, (ii) impact, (iii) moderate impact, and (iv) uncertain impact when assessments diverged or impact was not sufficiently known. For this purpose, neophytes' impacts were assigned to three types: (i) environmental impact, (ii) economic impact (subdivided into impacts on agriculture, silviculture and water management), and (iii) health impacts, further divided into human and animal health impacts. Impacts were assessed based on expert knowledge and the available literature. Thus, the assessment given here cannot and is not intended to replace formal impact assessments such as EICAT (Blackburn et al. 2014), SEICAT (Bacher et al. 2018), or assessments carried out to identify species of European Union concern for the EU IAS Regulation (European Commission 2019).

Compilation of first records

In the second edition of the Austrian neophyte checklist, we newly included the first records in Austria (Seebens et al. 2017). Data on first records were extracted from a wide range of primary sources, including publications, unpublished observations, herbaria, and data from the floristic mapping in Austria. Herbaria were only consulted to a limited extent. While the first records of alien taxa in a region are an amalgam of true spread and of recording history (Seebens et al. 2017), they provide valuable information on the temporal dynamics of biological invasions (e.g. Bucharova & van Kleunen 2009, Seebens et al. 2017, 2021). We note here that Austria has a comparative wealth of older records (e.g. Kramer 1756, Neilreich 1859). For possible archaeophytes and anecophytes with long cultivation histories that we retained in our checklist (see above for explanation), we do not provide the potentially misleading first record information.

Native ranges

Native ranges were assigned to biogeographically defined continents using the TDWG (Taxonomic Databases Working Group) level 1 classification (Brummitt 2001). To assign native ranges, we used the native range data for the Austrian neophytes from the most comprehensive resource, the GloNAF-database (van Kleunen et al. 2019). First, the plant names were matched to the taxonomy used in GloNAF, which was at that time based on The Plant List (2013), using the R package 'Taxonstand' v. 2.2 (Cayuela et al. 2012) and manually checking the matches. GloNAF contains native range data from two sources, i.e. the World Checklist of Selected Plant Families (now superceded by Plants of the World Online; https://powo.science.kew.org) and the Germplasm Resources Information Network (https://www.ars-grin.gov); here, we accepted native range information as provided by both sources. For anecophytes (sensu Scholz 2008), including hybrids created by humans, no native range was assigned. For hybrids involving neophytes that have emerged in the introduced range (e.g. *Reynoutria* ×*bohemica*, a hybrid of *R. japonica* and *R. sachalinensis*), we assigned no region.

Pathways of introduction

The pathways of introduction to a region is a highly relevant characteristic for the study of biological invasions (Essl et al. 2015, Pergl et al. 2017); thus, we include this information, as far as it is known, in our checklist. Pathway definitions were based on the framework proposed by Hulme et al. (2008) and adopted by the IUCN (2018) and are defined as follows: (i) release, i.e. intentional introduction as a commodity, (ii) escape, i.e. intentional introduction as a commodity and unintentional escape, (iii) contaminant, i.e. unintentional introduction with a specific commodity (iv) stowaway, i.e. unintentional introduction with a transport vector and (iv) corridor, i.e. unintentional introduction via human infrastructures linking previously unconnected regions, (v) unaided, i.e. unintentional introduction through natural dispersal of alien species across political borders. We added two more pathways: (vi) hybrid in introduced range, as these taxa are dependent on the pathways of their neophyte parent species, and (vii) unknown, where no other pathway could be identified. This makes it possible for stakeholders (e.g. policy makers) to adopt measures for avoiding introductions (e.g. biosecurity measures, early detection and

rapid response) tailored to introduction pathways, which are, in many cases, also the pathways of spread through Austria. We note that, especially for plants, the differentiation between pathways – particularly escape from release and stowaway from contaminant – is not always clear.

Results

Species numbers and distribution in Austria

In total, the second edition of the Austrian neophyte checklist contains 1,615 taxa (1,388 species, 7 aggregates, 138 hybrids, 70 subspecies, 12 lower infraspecific taxa; Appendix 1, Supplementary Table S1). Of these, 549 taxa (34%) are new additions compared to the first checklist (Walter et al. 2002); this is an increase of 45% of reported neophytes over 21 years between data collection periods.

A total of 226 neophytes (14%) are established in Austria, 207 (13%) are locally established, and 1,180 taxa (73%) are casuals. For 196 taxa that were included in the first edition of the checklist, changes in their floristic status have been recorded (Fig. 3). The most common change (59 taxa) was from casual to locally established, followed by change from locally established to established (51 taxa, see Fig. 3). The 548 taxa that were newly added in the second edition of the checklist were most commonly casuals (454 taxa). A total of 99 taxa that were included in the first edition were removed in the second edition of the neophyte checklist (Appendix 2, Supplementary Table S2) due to species no longer being considered neophytes (34 taxa), doubtful records (36 taxa), erroneous records (27 taxa), or species being only planted in the wild (three taxa).

Austria currently has ~3,460 accepted vascular plant species and subspecies (Schratt-Ehrendorfer et al. 2022), excluding apomictic genera such as *Alchemilla*, *Hieracium*, *Pilosella*, *Rubus*, *Taraxacum* as well as the *Ranunculus auricomus*-group. Thus, the 1,458 neophyte species and subspecies make up 42% of Austrian species richness; if only the 412 established and locally established species and subspecies are considered, the increase in species richness is 12%. In total, neophytes have been reported from 135 plant families with an uneven distribution among them. The families with the most neophytes are *Asteraceae* (201 taxa), *Poaceae* (163 taxa), and *Rosaceae* (106 taxa; Fig. 4).

There are substantial differences in neophyte numbers among federal states (Fig. 5). The highest number was recorded in Upper Austria (840 taxa), followed by Lower Austria (839 taxa), Vienna (832 taxa), and Styria (754 taxa); the lowest numbers were recorded in Vorarlberg (434 taxa) and Burgenland (461 taxa).

Habitat affiliations

Habitats in Austria are unevenly invaded by neophytes. The highest number of taxa by far is found in ruderal habitats (1420), followed by segetal habitats (204), and shrublands (189) (Fig. 6). In grasslands (107), tall forb stands (101) and forests (81), considerably fewer neophytes are recorded. The lowest numbers were documented in aquatic habitats (43), rocks & screes (47) and wetlands (49). Almost three quarters (72%) of taxa are affiliated with only one habitat, 333 (21%) show preferences for two habitats, 74 (5%) for three habitats, while 42 taxa (3%) are affiliated with four or more habitats.

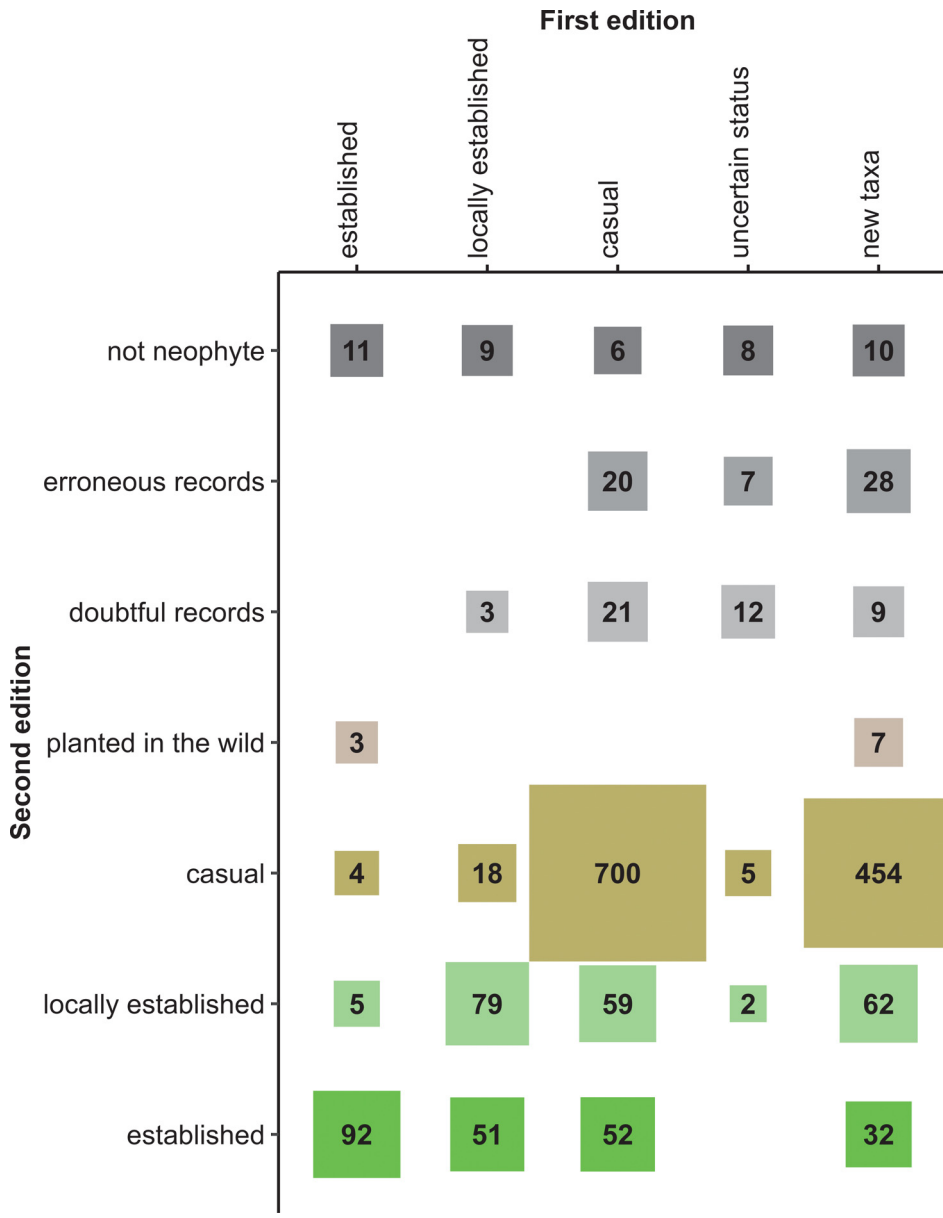


Fig. 3. Overview of status changes between the first and second editions of the checklist of neophytes of Austria. Size of the squares corresponds to the amount of taxon status changes, with smaller squares increased in size for visibility. For details on the exclusion of taxa contained in the first edition and proposed for the second edition (i.e. the first four rows) see Table S2.

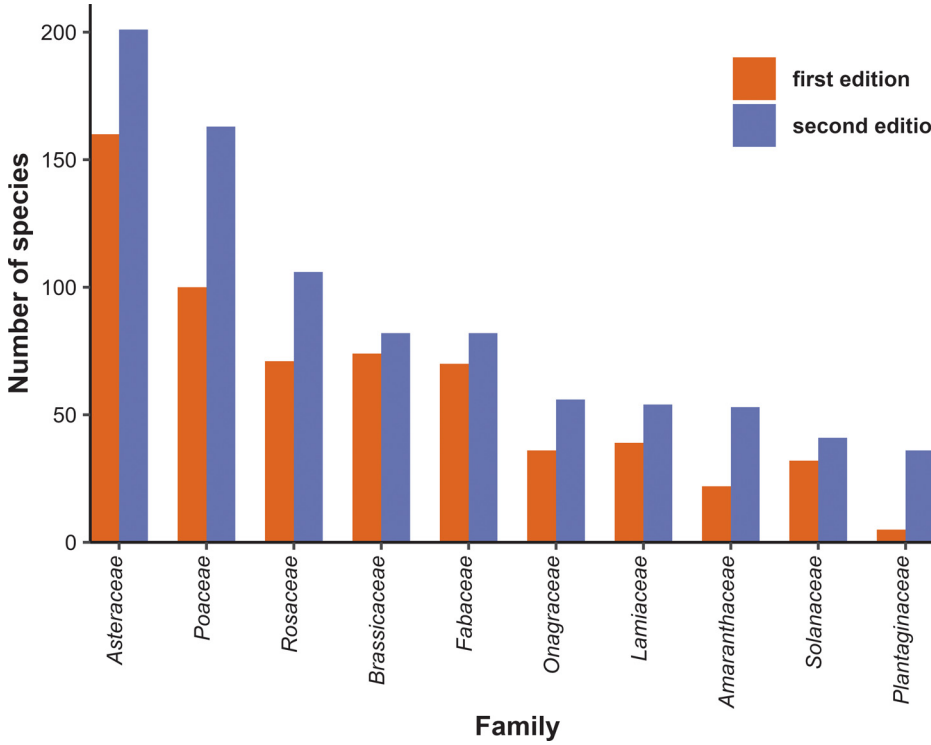


Fig. 4. The 10 most common families in the first edition (red) and second edition (blue) of the checklist of neophytes of Austria. We note that some changes may be due to different circumscription of families between the two editions (mainly concerning *Plantaginaceae*, *Scrophulariaceae* and *Amaranthaceae*).

First records

We compiled the first records for all neophytes included in this checklist, with the exception of potential archaeophytes and anecophytes (see Material and methods), resulting in 1,560 first records. For 955 taxa (61%), we identified the year of first record. For the remaining 605 (39%), we identified a time period of introduction and report the estimated earliest and latest year of the first record. Until 1800, the number of neophytes recorded in Austria was low, with a total of 33 recorded (Fig. 7, Appendix 1). Thereafter, the reported accumulation of neophytes gained momentum. While 118 neophytes were known by 1850, this number increased to 265 in 1900, 514 in 1950, 1,084 in 2000, and currently 1,615 taxa. Reports of newly introduced neophytes show a pronounced increase since the mid-20th century, as 1,048 taxa (67%) were first found after 1950, and 478 (31%) were first recorded after 2000.

Regions of origin

The most important donor-continents (based on the TDWG-scheme, Brummitt 2001) of neophytes in Austria are temperate Asia (760 species), followed by Europe (606), North America (389) and Africa (310). Relatively few taxa are native to predominantly tropical

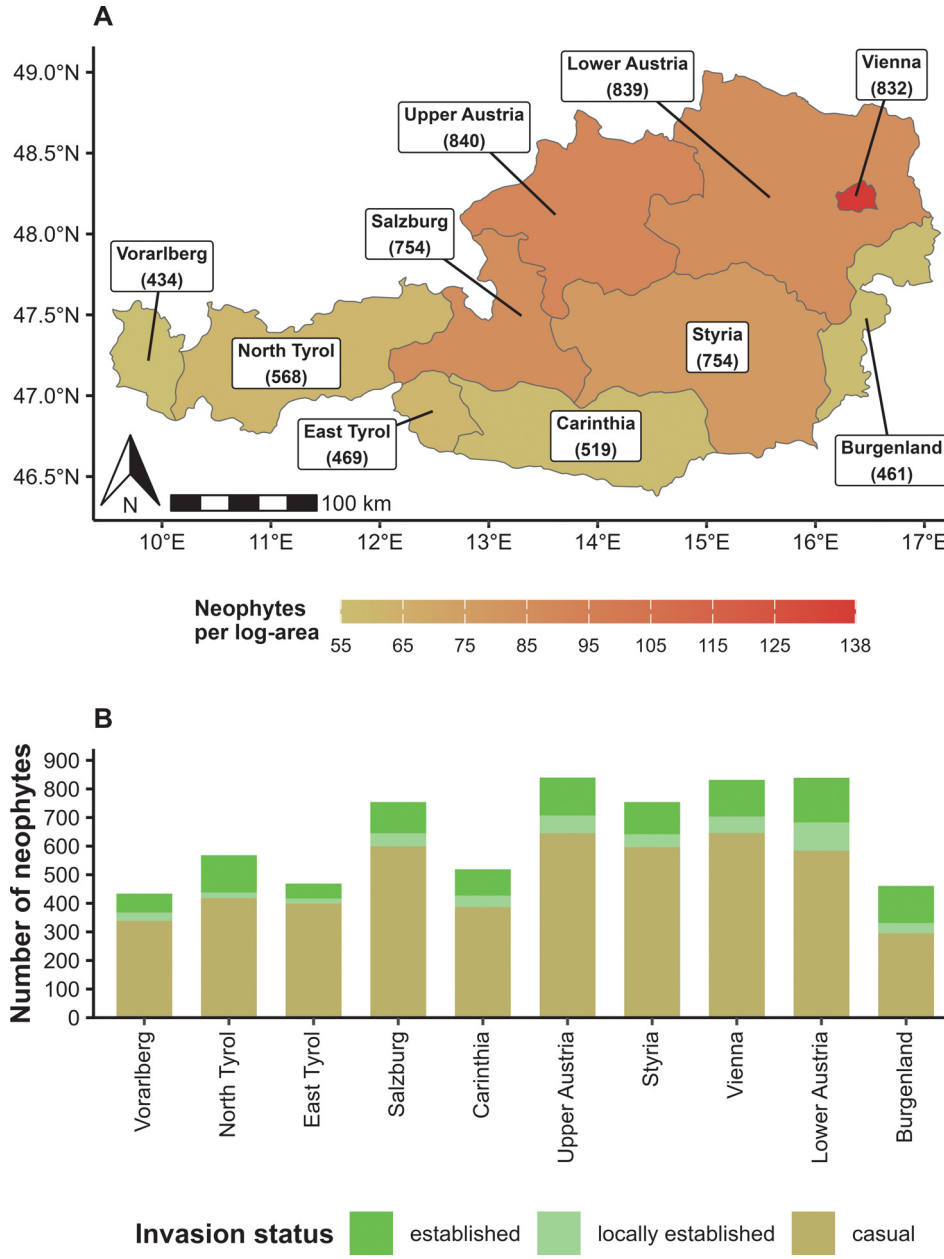
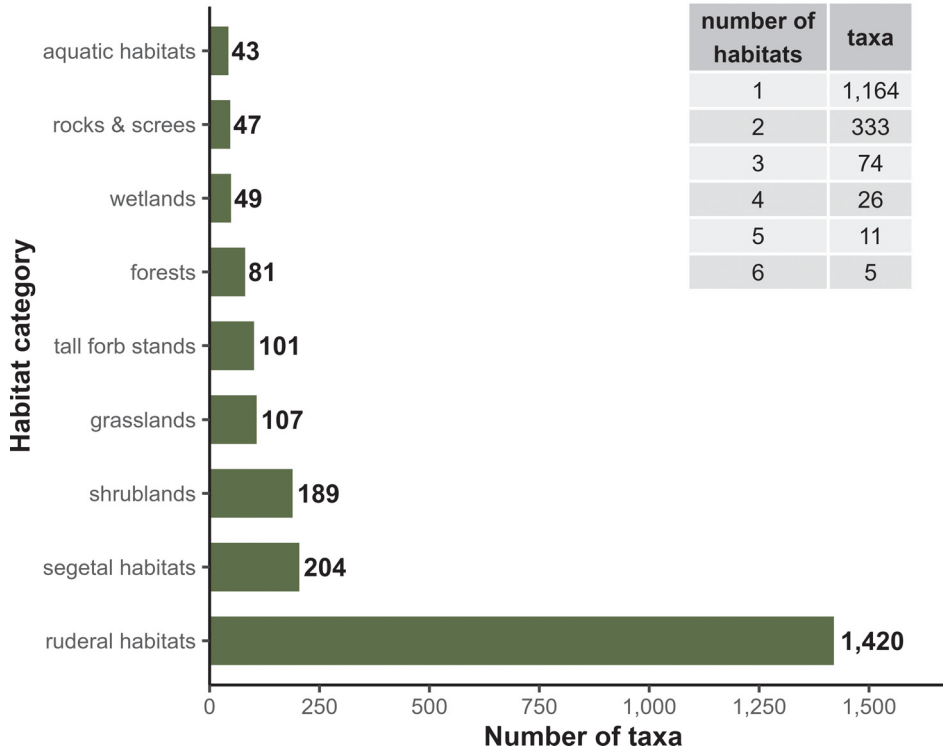


Fig. 5. The distribution of neophytes and their invasion status in the federal states of Austria. (A) Austria and its nine federal states (Tyrol was split into two separate regions, see text), numbers in brackets give the number of alien vascular plants per federal state, different colors correspond to log-relative numbers of neophytes (i.e. number of neophytes divide by log-area). (B) Overview on the invasion status of neophytes among the federal states of Austria.



number of habitats	taxa
1	1,164
2	333
3	74
4	26
5	11
6	5

Fig. 6. Habitat affiliation of neophytes in Austria (n = 1,613). The insert table shows the number of habitats species are affiliated to. Note that a taxon may be affiliated with more than one habitat.

regions such as tropical Asia (214), South America (159), Australasia (24) and the Pacific Islands (8). No Austrian neophyte is native to the Antarctic region (Fig. 8).

Pathways

We identified introduction pathways into Austria for 1,016 taxa (63%), with escape and stowaway being by far the most common pathways (912 and 118 taxa respectively) making up for an overwhelming majority (95%) of identified pathways (Fig. 9). Release (48 taxa) was far less common, as were dispersal via corridors (48 taxa) and as contaminants (33 taxa). Lastly, seven taxa are hybrids with one or more neophyte parents in their introduced range. Nine taxa (*Acer negundo*, *A. saccharinum*, *Ailanthus altissima*, *Chenopodium quinoa*, *Forsythia* ×*intermedia*, *Ipomoea purpurea*, *Physalis philadelphica*, *Reynoutria* ×*bohemica, Robinia pseudoacacia*) had a maximum of three introduction pathways.

Impacts

In total, 73 taxa that have negative impacts in Austria were identified (Fig. 10). Specifically, 48 have negative impacts on biodiversity, 26 on agriculture, nine on silviculture, six on human health, three on water management and one taxon negatively impacts animal

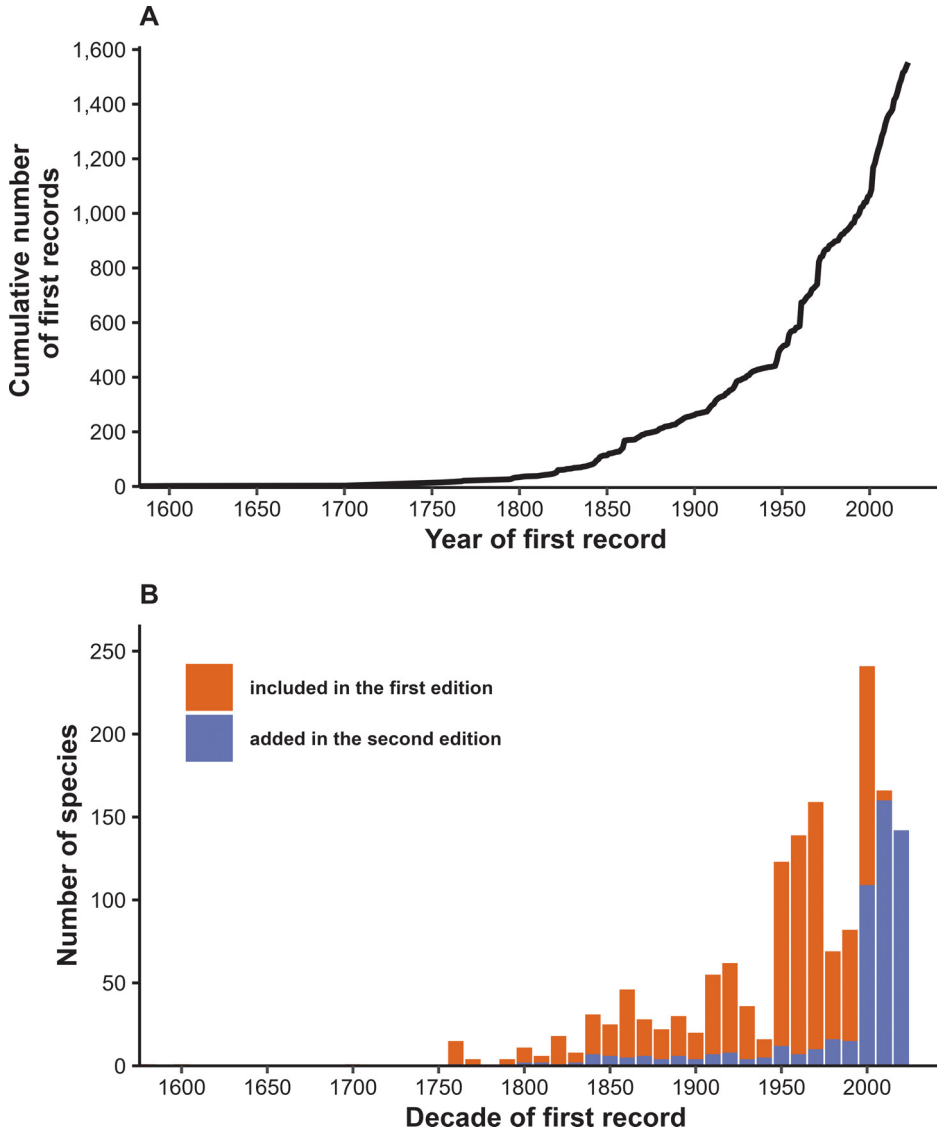


Fig. 7. The accumulation of neophytes based on their first records in Austria. Shown are (A) the cumulative number of first records and (B) the first records per decade, with different colors indicating taxa already included in the first edition and species added in the second edition.

health. Fourteen taxa have negative impacts on at least two of the aforementioned categories (Fig. 10). In 28 cases, impacts were identified as uncertain due to a lack of information. The assessment of impacts provided here is conservative, as impacts that have not been studied or are poorly understood may have gone undetected.

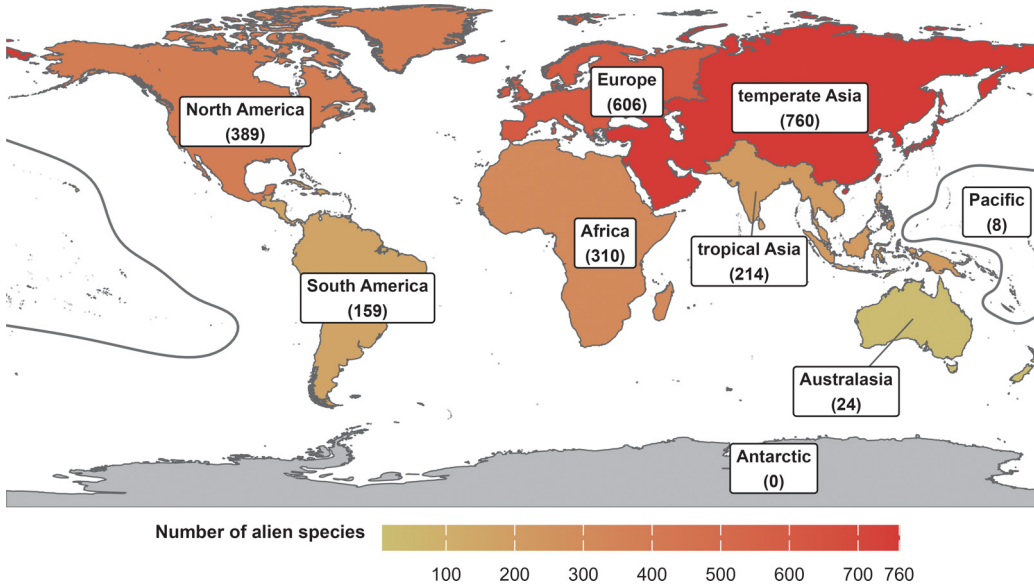


Fig. 8. Native ranges (TDWG-continents) of neophytes in Austria. The grey line denotes the border of the Pacific region as it is the only TDWG continent formed exclusively by islands. Note that some taxa may be native to several continents.

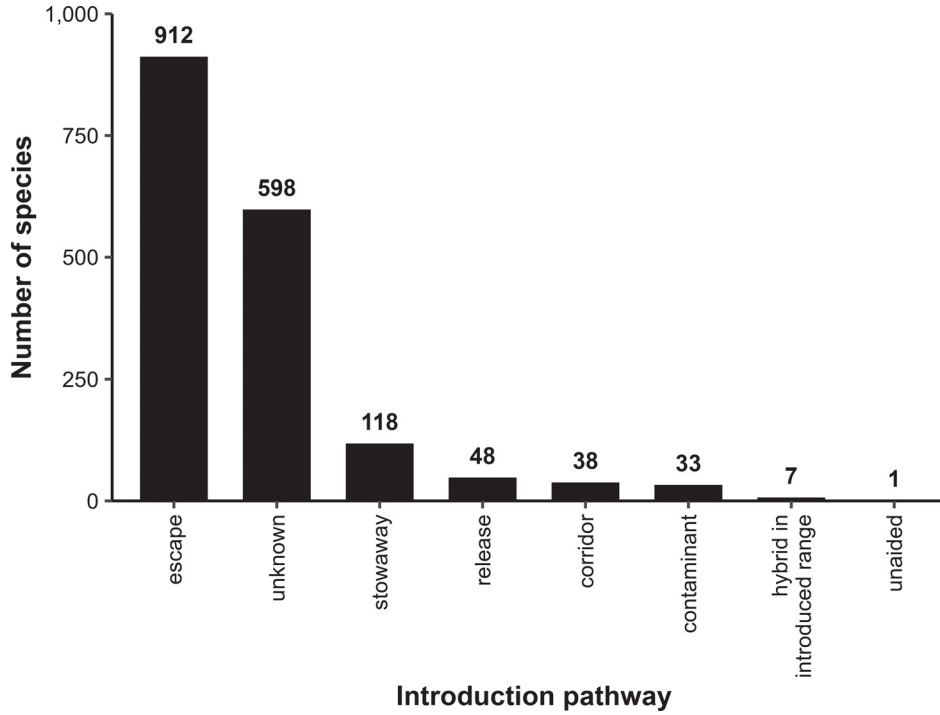


Fig. 9. Pathways of introduction for neophytes in Austria. Note that one taxon can have several pathways of introduction, and "unaided" refers to taxa spreading from neighbouring countries through means of natural dispersal.

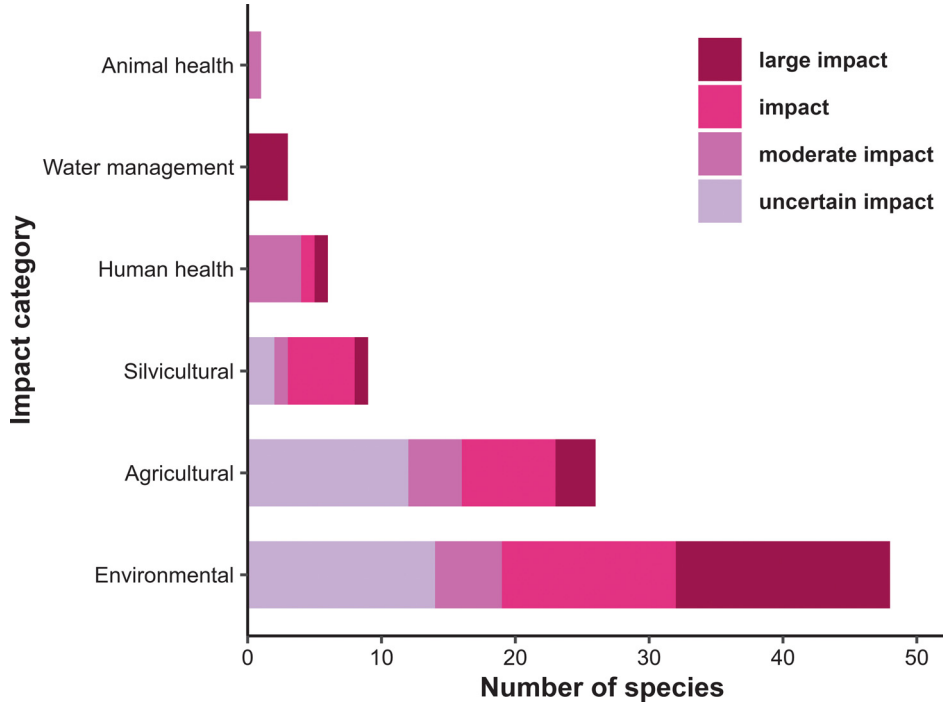


Fig. 10. Overview on the types and severity of impacts caused by neophytes in Austria (n = 73); note that one taxon can have multiple impacts. Only impacts caused in Austria have been considered. The assessment was done by the authors based on literature and expert knowledge.

Discussion

Rapid increase in neophyte numbers since the first edition of the Austrian neophyte checklist

The second edition of the Austrian neophyte checklist includes 1,615 neophytes. The substantial increase from 1,110 (Walter et al. 2002) within two decades amounts to an increase of 45% of reported neophytes and reveals the rapid dynamics of neophyte accumulation. For comparison, the number of reported neophytes in the Czech Republic, a country of similar size and excellent documentation of its alien flora, has increased from 1046 in 2002 (Pyšek et al. 2002) to 1191 in 2022 (Pyšek et al. 2022) – a relative increase of 14%. Likely, increased research efforts on alien plant distributions, as conducted by several coauthors of this publication, may have contributed to the pronounced increase in recorded neophytes in Austria. However, the rising dynamics of plant invasions in Austria are further underscored by an increase in 92 established taxa compared to Walter et al. (2002), showing that many neophytes have become more widespread and permanent members of the Austrian flora.

Uneven neophyte distribution within Austria

Within Austria, the federal states in eastern and northeastern Austria have the highest numbers of neophytes; this is particularly the case when adjusting for the large differences in area between federal states. Likely, several factors contribute to these differences. First, the warm lowlands of eastern Austria are densely populated, agricultural land use is intensive, and most transport infrastructure is concentrated there. These factors combined cause a high level of anthropogenic disturbance, habitat modifications, and propagule pressure, all factors known to promote neophyte invasions (e.g. Pyšek et al. 2010). Conversely, the cool climate of the mountains dominating most parts of the remaining federal states is a major barrier for the spread of neophytes in temperate regions such as Austria (Alexander et al. 2016).

Habitat preferences of neophytes in Austria

Ruderal habitats are by far the most invaded, with 88% of neophytes affiliated with them. This finding is in line with habitat preferences reported in other alien plant checklists for central-European countries such as the Czech Republic (Pyšek et al. 2022), Slovakia (Medvecká et al. 2012), and Switzerland (FOEN 2022), and the findings of the first Austrian neophyte checklist (Rabitsch & Essl 2006). On the other side of the spectrum of invasion levels, we found that several natural habitats, such as wetlands, rocks, screes, and aquatic habitats, still harbour low numbers of neophytes.

Compared to the first edition (Rabitsch & Essl 2006), there was a marked increase in the relative prevalence of neophytes in ruderal habitats from 71% (792 taxa) to 88% (1,420) of taxa and a sixfold increase in wetlands from 0.5% (5 taxa) to 3% (49) of taxa. In the Czech Republic (Pyšek et al. 2022), similar trends can be shown across habitat types. It should be noted that comparable checklists (e.g. Pyšek et al. 2002, 2012, 2022, Medvecká et al. 2012, FOEN 2022) employed somewhat different definitions of habitats and thus, direct numerical comparisons should be interpreted with caution.

Accelerating neophyte accumulation

Information on the first documented occurrences of neophytes was not included in the first edition of the Austrian neophyte checklist. Here, we compiled the first record data for all taxa. The number of recorded neophytes shows a steep increase from the mid-20th century onwards, with 42% of all taxa first recorded after 1980. Of the 548 taxa added in the second edition of the Austrian neophyte checklist, almost two-thirds (65%) were first recorded after 2002; the remainder were recorded earlier, but their presence in Austria was not yet known when the first edition of the Austrian neophyte checklist was compiled.

Many pathways and impacts remain unknown

While the second edition of the neophyte checklist has filled many knowledge gaps present in the first edition, the specific pathways of introduction remain unknown for many taxa (37%). However, as the most common known pathways are escape from cultivation and introduction as stowaways, the dominant role of horticulture is underscored (van Kleunen et al. 2018). The release and stowaway pathways are probably best mitigated at the policy level, and taxa introduced by them are more likely to have ecological impacts

(Pergl et al. 2017) and thus, deserve additional focus. On the other hand, taxa escaping from cultivation present an issue of awareness-raising (e.g. through horticultural societies) as well as a policy issue (i.e. regulating sales of potential escapees).

While globally invasive species have large negative impacts on biodiversity, human economies, and human and animal welfare (Diagne et al. 2021, IPBES 2023), the number of neophytes with reported impacts in Austria is still rather small. However, given the ongoing rapid spread of several taxa with known large impacts, such as *Ambrosia artemisiifolia* (Mang et al. 2018), *Impatiens glandulifera* (Drescher & Prots 2003, Schiffleithner & Essl 2016), *Reynoutria* spp. (Vaseková et al. 2022), and the emergence of new impactful neophytes (Follak et al. 2017), it is clear that the impacts of invasive plants are rising rapidly also in Austria.

Supplementary materials

Table S1. Austrian checklist of alien vascular plants introduced after 1492 (i.e. neophytes), 2nd edition (extended version of Appendix 1).
Table S2. Taxa excluded from the Austrian checklist of alien vascular plants and reasons for exclusion.
Table S3. Common synonyms of taxa.

Supplementary materials are available at https://www.preslia.cz.

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Přehled rakouských neofytů (druhé vydání)

Dvaadvacet let od prvního vydání rakouského seznamu nepůvodních cévnatých rostlin zavlečených po roce 1492 (tj. neofytů) přináší tento článek zcela revidované druhé vydání. Tato aktualizace vychází z údajů o neofytech zjištěných v Rakousku do září 2022; uvádíme informace o regionálním rozšíření ve spolkových zemích, invazním statusu, stanovištích, prvních nálezech, oblastech původu, cestách zavlečení, šíření a impaktu. Současné neofytní flóra obsahuje 1615 taxonů – 1388 druhů, 7 agregátů, 138 hybridů, 70 poddruhů a 12 nižších infraspecifických taxonů, patřících do 135 čeledí. Nově bylo zjištěno 548 taxonů, což představuje 45% nárůst oproti prvnímu seznamu; 99 taxonů bylo naopak vyřazeno kvůli chybným nebo pochybným záznamům, některé jsou v současnosti považovány za původní nebo archeofyty. Většina neofytů (1180) se v Rakousku vyskytuje pouze příležitostně, 207 druhů je lokálně naturalizovaných a 226 druhů považujeme za široce rozšířené. Nejvíce neofytů se vyskytuje na ruderálních (1420 taxonů) a segetálních (204 taxonů) stanovištích. Nejvýznamnějšími oblastmi původu rakouských neofytů jsou temperátní Asie (761 druhů), Evropa (607), Severní Amerika (389) a Afrika (311). Zatímco v roce 1850 bylo v Rakousku známo 118 neofytů, v roce 1900 tento počet vzrostl na 265, v roce 1950 na 514, v roce 2000 na 1084 a v současnosti na 1615 taxonů. Záznamy o nově zavlečených druzích vykazují obzvláště výrazný nárůst od poloviny 20. století; 1056 druhů (65 %) bylo poprvé zaznamenáno po roce 1950 a 496 druhů (31 %) po roce 2000. U 1016 druhů se podařilo zjistit způsob, jakým byly zavlečeny, nejčastější jsou zplanění (912 druhů) a neúmyslné zavlečení (118 druhů). Pro 73 taxonů jsou k dispozici důkazy o negativních důsledcích – 48 druhů má negativní dopad na biodiverzitu, 26 druhů na zemědělství, devět na lesnictví, šest na lidské zdraví, tři na vodní hospodářství a jeden na zdraví zvířat.

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Appendix 1. Taxa list (n = 1,615) included in the second edition of the checklist of neophytes in Austria. Taxa are arranged alphabetically. Taxon names follow Fischer et al. (2008) with updates from Gilli et al. (2019a) and Schratt-Ehrendorfer et al. (2022), family codes are the first five letters of the family (The Angiosperm Phylogeny Group 2016). For each taxon the following information is given: a superscript EU after the taxon name signifies it is listed on the list of invasive alien species of European Union concern (European Commission 2019), Questions = do questions remain regarding taxon (t = taxonomy, a = archaeophyte status possible, c = anecophytes), its invasion status for Austria and its federal states (e = established, le = locally established, c = casual occurrence, x = taxon was recorded in error, f = taxon only occurs in cultivation, a = taxon is cultivated in the wild, ? = uncertainties about status), habitat affiliation (x = taxon occurs in this habitat), first record, native range on the TDWG-1 level (Eur = Europe, Afr = Africa, Asi-Tem = temperate Asia, Asi-Tro = tropical Asia, Aus = Australasia, Pac = Pacific Islands, NAm = North America, SAm = South America), pathway of introduction (rel = release, esc = escape, con = contaminant, sto = stowaway, cor = corridor, una = without human help "unaided", hyb = taxon is a hybrid occurring only in its introduced ranged) and impacts (xx = large impact, x = impact, (x) = moderate impact, x? = uncertain impact), New taxon = if the taxon is new to the second edition presented here, the column "Source" includes relevant sources for the taxon in Austria.

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Abelmoschus manihot	Malva		x	c							c											x		2018	Asi-Tem, Asi-Tro
Abies cephalonica	Pinac			le?		le?									x									2005	Eur
Abies grandis	Pinac		x	c		c			c						x									2005	NAm
Abies nordmanniana	Pinac		x	c					c						x									2005	Asi-Tem
Abutilon theophrasti	Malva			e	e	e	e	e	e	c	c	c	c	c								x	x	1874	Asi-Tem
Acaena buchananii	Rosac		x	c									c									x		2008	Aus
Acaena inermis	Rosac			c					c		c											x		2002	Aus
Acaena microphylla	Rosac			c							c											x		1997	Aus
Acalypha virginica	Eupho			c				c														x	x	1948	NAm
Acanthus hungaricus	Acant		x	le		le							c									x		2013	Eur
Acer cappadocicum	Sapin		x	c							c											x		1996	Asi-Tem, Asi-Tro
Acer ginnala	Sapin			c		c	c	c	c		c	c	c									x		1988	Asi-Tem
Acer monspessulanum	Sapin			le		le	c	c		?	c											x		1960	Eur, Afr, Asi-Tem
Acer negundo	Sapin			e	e	e	e	e	e	e	e	le	e	e	x	x						x		1917	NAm, SAm
Acer palmatum	Sapin		x	c							c											x		2002	Asi-Tem
Acer saccharinum	Sapin			le?	c	le?	c	c	le?	e?	c	c		c	x	x						x		1971	NAm
Achillea ageratum	Aster			c				c														x		1948	Eur, Afr
Achillea clypeolata	Aster		x	c			c															x		2018	Eur, Asi-Tem
Achillea crithmifolia	Aster			c		c	c	c		c			c									x		1821	Eur, Asi-Tem
Achillea filipendulina	Aster			c	c	c	c	c	c		c		c									x		1971	Asi-Tem
Achyranthes aspera	Amara		x	c					c													x		2015	Afr, Asi-Tem, Asi-Tro, Aus, Pac
Aconitum ×stoerkianum	Ranun		x	c					x				c									x		2005	
Aconitum carmichaelii	Ranun		x	c					c		c	c	c									x		2011	Asi-Tem
Acorus calamus	Acora			e	e	e	e	e	e	e	e	c	le	le					x	x				1794	Asi-Tem, Asi-Tro
Acorus gramineus	Acora			c		c													x	x				1977	Asi-Tem, Asi-Tro
Actinidia arguta	Actin		x	c				c?	c?			c										x		2019	Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Eichberger et al. 2021b, JACQ 2022, Pilsl unpubl.
esc							Fischer et al. 2005, Essl 2008, 2022, Essl unpubl.
rel, esc	x?						Stöhr et al. 2007, Hohla et al. 2009, Němec et al. 2018
rel, esc							Stöhr et al. 2007, Hohla et al. 2009
esc, con, sto		x					Höhnel 1876, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Amann 2016, Zernig et al. 2018, Hohla 2022, Pagitz et al. 2023
esc							Polatschek & Neuner 2013
esc, con							Stöhr et al. 2004, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, sto							Pilsl et al. 2002, Pflugbeil & Pilsl 2013 Melzer 1954, Walter et al. 2002
esc							Gilli et al. 2021
esc							Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Niklfeld & Schratt-Ehrendorfer 2022, Forum Flora Austria 2022, Adler unpubl., Baldinger unpubl., Stöhr unpubl.
esc							Janchen 1956–1960, Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc		xx		x?			Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Brandes 2015, Amann 2016
esc							Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008, Kleesadl 2009, Essl & Follak 2010, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Leonhartsberger 2015, Forum Flora Austria 2022, Falkner & Nadler unpubl., Stöhr unpubl.
esc							Melzer 1954, Walter et al. 2002
esc							Gilli et al. 2020
esc							Hamburger 1948, Fischer et al. 2008
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013 Hohla et al. 2015
sto							Hohla et al. 2009, Polatschek & Neuner 2013
esc							Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Kellerer unpubl.
esc							Schultes 1794, Fischer et al. 2008, Hohla et al. 2009, Pall et al. 2013, Pflugbeil & Pilsl 2013
esc							Janchen 1977, Walter et al. 2002
esc							Forum Flora Austria 2022, Griebl unpubl., Hohla unpubl., Stöhr unpubl.

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Actinidia deliciosa	Actin			c			c	c	c		c		c	c								x		2002	Asi-Tem
Adiantum capillus-veneris	Pteri		x	le?		le?	c		le?												x	x		2020	Eur, Afr, Asi-Tem, Asi-Tro, Aus, Pac, NAm, SAm
Adonis annua	Ranun			c		c	c	c	c	c				c								x		1846	Eur, Afr, Asi-Tem
Aegilops cylindrica	Poace			le	c	c	le	c		c													x	1947	Eur, Afr, Asi-Tem, Asi-Tro
Aesculus hippocastanum	Sapin			e	e?	e	e?	e?	e	e?	e	e	e	c	x	x						x		1846	Eur, Asi-Tem
Agastache foeniculum	Lamia			c			c		c													x		1999	NAm
Agastache rugosa	Lamia		x	c					c		c	c										x		2004	Asi-Tem, Asi-Tro
Ageratina altissima	Aster			le		le		c		c						x	x							1930	NAm
Ageratum houstonianum	Aster			c	c		c	c	c	c	c											x		1960	NAm, SAm
Agropyron desertorum	Poace			c			c															x		1965	Eur, Asi-Tem, Asi-Tro
Agrostis castellana	Poace			c				c	c	c			c									x		1974	Eur, Afr, Asi-Tem
Agrostis scabra s.orig.	Poace			e		e			c													x		1909	Asi-Tem, NAm
Ailanthus altissima[EU]	Simar			e	e	e	e	e	e	e	le	c	e	c		x		x			x	x		1920	Asi-Tem
Akebia quinata	Lardi		x	le				c		le						x						x		2006	Asi-Tem
Albizia julibrissin	Fabac		x	c	c	c		c														x		2019	Asi-Tem, Asi-Tro
Alcea rosea	Malva	c		c	c	c	c	c	c	c	c	c	c	c			x					x		1821	
Alcea rugosa	Malva		x	c										c								x		2014	Eur, Asi-Tem
Alchemilla cymatophylla	Rosac			le?					le?				c					x						1985	Eur, Asi-Tem
Alchemilla mollis s.str.	Rosac			e	c	c	c	c	c	c	le	c	e	le		x	x	x			x	x		1944	Eur, Asi-Tem
Alchemilla sericata	Rosac		x	c					c	c												x		2015	Eur, Asi-Tem
Alchemilla speciosa	Rosac			le										le								x		1977	Eur, Asi-Tem
Alisma subcordatum	Alism		x	c					c										x					2007	NAm
Alkekengi officinarum var. *franchetii*	Solan			e			c	c	c	c	c	c	e									x		1960	Asi-Tem
Allium atroviolaceum	Amary		x	c	c	c																x		1998	Eur, Asi-Tem
Allium cepa (incl. var. *ascalonicum*)	Amary	c	x	c	c	c	c		c	c	c		c	c								x			
Allium cristophii	Amary		x	c	c	c	c															x		1992	Asi-Tem
Allium fistulosum	Amary	c		c					c	c				c								x			
Allium hollandicum	Amary		x	c	c	c						c										x		2010	Asi-Tem
Allium moly	Amary		x	c					c													x		2011	Eur
Allium multibulbosum	Amary			c			c		c				c									x		1773	Eur, Afr, Asi-Tem
Allium neapolitanum	Amary		x	c		?		c								x								2019	Eur, Afr, Asi-Tem
Allium oreophilum	Amary		x	c					c													x		2012	Asi-Tem, Asi-Tro
Allium paradoxum	Amary			le		le	le				c		e			x						x		1970	Asi-Tem
Allium porrum	Amary	c		c			c		c		c			c								x	x		
Allium rosenorum	Amary		x	c		c	c									x						x		2008	Asi-Tem
Allium sativum	Amary	c		e	e	e	c		c	c	c											x			
Allium stipitatum	Amary		x	le?		c	le?															x		2017	Asi-Tem, Asi-Tro
Allium subhirsutum	Amary			c					c													x		2000	Eur, Afr, Asi-Tem
Allium tuberosum	Amary		x	le		c	c	le				c										x		2010	Asi-Tem, Asi-Tro
Alnus cordata	Betul		x	c				c	c		c?					x								2001	Eur

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Walter et al. 2002, Hofbauer 2005, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Pagitz & Lechner-Pagitz 2015, Amann 2016
esc							Sauberer & Mrkvicka 2020, Stöhr et al. 2021
							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009
con, sto							Forstner & Hübl 1971, Fischer et al. 2008, Niklfeld 2016, JACQ 2022
rel, esc							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Brandes 2015, Pagitz et al. 2023
esc							Hohla et al. 2000, Fischer & Niklfeld 2011
esc							Gilli et al. 2020, Hohla 2022, Stöhr unpubl.
esc							Hamburger 1948, Stöhr et al. 2007, Fischer et al. 2008
esc							Janchen 1956–1960, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Forstner & Hübl 1971, Walter et al. 2002
con, sto							Melzer 1993, Fischer et al. 2008, Hohla 2012b
esc							Teyber 1909, Fischer et al. 2008, Hohla et al. 2009
esc		xx	(x)				Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016
esc							Niklfeld 2015, Zernig et al. 2019
esc							Forum Flora Austria 2022, Pachschwöll et al. 2025
esc							Hamburger 1948, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016 Amann 2016
esc, con							Grims 1988, Fischer et al. 2008, Hohla et al. 2009
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, Vitek et al. 2021, Pagitz et al. 2023, Leonhartsberger & Wendelin unpubl., Fröhner unpubl.
esc							Hohla et al. 2015, Fröhner unpubl.
esc							Fröhner 1986, Fischer et al. 2008
							Hohla et al. 2009
esc							Franz 1993, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Barta unpubl., Stöhr unpubl.
esc							Fischer & Niklfeld 2001, Sauberer et al. 2020, Haberler unpubl.
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, JACQ 2022, Pachschwöll et al. 2025
esc							Melzer & Barta 1992, Fischer et al. 2008, Stöhr et al. 2012
esc							Fischer et al. 2008, Hohla et al. 2009
esc							Gilli et al. 2020, Gilli et al. 2021, Forum Flora Austria 2022, Stöhr unpubl.
esc							Hohla 2011b
esc							Jacquin 1773, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009
esc							Nadler & Haug 2021, Forum Flora Austria 2022, Vasold unpubl.
esc							Hohla 2012b
esc							Adler & Mrkvicka 2003a, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, Pagitz et al. 2023
esc							Murr 1923, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							JACQ 2022, Barta unpubl.
esc							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Gilli et al. 2021
esc							Hohla 2000, Hohla et al. 2009
esc							Leonhartsberger 2018, Gilli et al. 2020, Forum Flora Austria 2022, Stöhr unpubl.
esc							Stöhr et al. 2006, Hohla et al. 2009, Pflugbeil & Pilsl 2013

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Alnus japonica	Betul		x	c							c											x		2011	Asi-Tem
Alopecurus myosuroides	Poace		x	e	e	e	e	c	e	c	c	c	c	c								x	x	1842	Eur, Afr, Asi-Tem, Asi-Tro
Alopecurus rendlei	Poace			c			c	c		c	c											x		1826	Eur, Afr, Asi-Tem
Althaea cannabina	Malva			le?	le?	?	c	c	c														x	1756	Eur, Asi-Tem
Althaea taurinensis	Malva	t	x	e	e	e	e	e	c	c	c	c	c			x		x				x		1900	Eur, Asi-Tem
Alyssum hirsutum	Brass			c		c	c															x		1997	Eur, Asi-Tem
Alyssum strigosum	Brass			c		c	?															x		1883	Eur, Asi-Tem
Amaranthus albus	Amara			e	e	e	e	e	e	e	c	c	c	c								x	x	1916	NAm
Amaranthus blitoides	Amara			e	e	e	e	c		c	?		c									x	x	1916	NAm
Amaranthus bouchonii	Amara			c	?	c	c	c	c	c	c			c								x	x	1964	NAm, SAm
Amaranthus caudatus	Amara			c	c	c	c	c	c	c	c	c	c	c								x	x	1846	SAm
Amaranthus crispus s.str.	Amara			c	c	c	c	c	c													x	x	1914	SAm
Amaranthus cruentus	Amara			c	c	c	c	c	c	c	c	c	c	c								x	x	1903	NAm, SAm
Amaranthus cruentus × *A. retroflexus*	Amara			c			c	c					c									x	x	1924	
Amaranthus deflexus	Amara			e	le	c	e	c			c		c									x	x	1963	SAm
Amaranthus emarginatus var. *emarginatus*	Amara		x	e	le?		c						e									x	x	2006	SAm
Amaranthus emarginatus var. *pseudogracilis*	Amara		x	e	le	e	c	c	c	c	c	c	c									x	x	1986	SAm
Amaranthus hybridus s.str.	Amara			c	c	c	c	c	c	c	c	c	c	c								x	x	1949	NAm, SAm
Amaranthus hypochondriacus	Amara			c	c	c	c	c	c	c	c		c	c								x	x	1971	NAm
Amaranthus muricatus	Amara			c			c															x	x	2001	SAm
Amaranthus palmeri	Amara			c				c														x	x	1951	NAm
Amaranthus powellii	Amara			e	e	e	e	e	e	e	e	e	e	e								x	x	1935	NAm, SAm
Amaranthus powellii × *A. retroflexus*	Amara			c				c		c												x	x	1955	
Amaranthus retroflexus	Amara			e	e	e	e	e	e	e	e	e	e	e								x	x	1821	NAm
Amaranthus standleyanus	Amara			c		c	c	c		c												x	x	1958	SAm
Amaranthus tamariscinus	Amara			c				c														x	x	1950	NAm
Amaranthus tuberculatus	Amara			c				c														x	x	1949	NAm
Amaranthus viridis	Amara			c	?	c	c	c	c	c												x	x	1913	SAm
Amberboa moschata	Aster		x	c								c										x		2008	Asi-Tem
Ambrosia artemisiifolia	Aster			e	e	e	e	e	e	e	e	e	e	e								x	x	1883	NAm
Ambrosia psilostachya	Aster			c					c		c											x		1952	NAm
Ambrosia trifida	Aster			c				c	c	c	c											x	x	1948	NAm
Amelanchier lamarckii	Rosac		x	c		c		c	c		c	c	c									x		2008	NAm
Amelanchier spicata	Rosac			le?		le?																x		1923	NAm
Ammi majus	Apiac			le	c	le	c	c	c	c	c	c	c	c								x	x	1756	Eur, Afr, Asi-Tem, Asi-Tro
Amorpha fruticosa	Fabac			e	e	e	e	le	c	c	c	c	c	c		x						x		1971	NAm
Amsinckia calycina	Borag			c		c																x		1996	SAm
Anacyclus clavatus	Aster			c				c														x		1948	Eur, Afr, Asi-Tem
Anacyclus radiatus	Aster			c				c														x		1994	Eur, Afr

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esc							Pilsl & Pflugbeil 2012, Pflugbeil & Pilsl 2013
sto		(x)					Dolliner 1842, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016, Forum Flora Austria 2022, Stöhr unpubl.
sto							Hamburger 1948, Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013
esc							Kramer 1756, Walter et al. 2002, Adler & Mrkvicka 2003a, Melzer & Barta 2003, Hohla 2021, Tkalcsics unpubl.
							Forum Flora Austria 2022, Herbarium WU 2022, Kleesadl & Schröck 2022, Király unpubl., Pagitz unpubl., Stöhr unpubl.
esc							Schneeweiß 2000, Melzer & Barta 2003
							Schneeweiß 2000, Walter et al. 2002, Melzer & Barta 2008
sto, cor							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Amann 2016
							Forstner & Hübl 1971, Fischer et al. 2008, Pflugbeil & Pilsl 2013
							Melzer 1964, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Hohla et al. 2019
sto							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla 2018b
							Murr 1903, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013
hyb							Murr 1931, Walter et al. 2002
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2019, JACQ 2022, Pachschwöll et al. 2025
							Pachschwöll et al. 2025, Pagitz unpubl.
							Walter & Dobeš 2004, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Barta unpubl., Thalinger & Pagitz unpubl.
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pachschwöll et al. 2025
							Walter et al. 2002, Fischer et al. 2008
							Melzer 1955, Walter et al. 2002
		xx					Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
							Melzer 1955, Walter et al. 2002
		xx					Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
							Melzer 1959, Fischer et al. 2008
							Melzer 1959
							Melzer 1955
							Melzer 1988b, Fischer et al. 2008, Hohla et al. 2009, Niklfeld 2016
esc							Brandes 2011
sto, cor		xx		xx			Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, JACQ 2022
				(x)			Karrer 2021
				(x)			Melzer 1954, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Hohla 2011a, Smettan 2012, Heber & Zernig 2013, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Neumayer 1924, Fischer et al. 2008, JACQ 2022, Adler unpubl., Reich et al. unpubl.
sto							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Follak 2015, Stöhr unpubl.
esc	x?						Forstner & Hübl 1971, Polatschek 2000, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Zernig et al. 2019
con, sto							Fischer et al. 2008, Wallnöfer & Adler 2015
							Melzer 1954, Walter et al. 2002
							Melzer 1995, Walter et al. 2002

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Anacyclus valentinus	Aster			c				c														x		1948	Eur, Afr
Anaphalis margaritacea	Aster			c	c	c	c	c	c	c	c	c	c	c			x					x		1838	Asi-Tem, Asi-Tro, NAm
Anchusa azurea	Borag			c	c	c	c	c	c	c	c		c									x		1814	Eur, Afr, Asi-Tem, Asi-Tro
Anchusa ochroleuca	Borag			c		c	c															x		1927	Eur, Asi-Tem
Andryala integrifolia	Aster			c				c														x		1948	Eur, Afr
Anemone ×hybrida	Ranun			c		c	c	c	c	c	c											x		1977	
Anemone apennina	Ranun			le	c	le	le									x		x				x		1851	Eur
Anemone blanda	Ranun			le		le	le		c		c		c		x		x					x		1998	Eur, Asi-Tem
Anemone tomentosa	Ranun		x	c							c											x		2014	Asi-Tem
Anethum graveolens	Apiac	c		c	c	c	c	c	c	c	c	c	c	c								x	x		
Angelica archangelica	Apiac			e	c	e	e		e	c	x		c				x							1767	Eur, Asi-Tem
Anthoxanthum aristatum	Poace			e	e			c	c				c	c								x	x	1952	Eur, Afr, Asi-Tem
Anthriscus cerefolium var. *cerefolium*	Apiac			le		c	c	c	le	c	c	le?										x		1846	Eur, Asi-Tem
Antirrhinum majus s.str.	Plant			le	le	le	le	c	c	c	le?	c	c	c							x	x	x	1756	Eur
Apios americana	Apiac			c				c														x		1988	NAm
Aquilegia canadensis	Ranun		x	c										c			x							2012	NAm
Aquilegia chrysantha	Ranun		x	c							c											x		2002	NAm
Aquilegia flavescens	Ranun		x	c							c											x		2002	NAm
Aquilegia glandulosa	Ranun		x	c		c																x		2013	Asi-Tem
Arabis caucasica	Brass			c	c	c	c	c	c		c	c	c	c							x	x		1909	Eur, Afr, Asi-Tem
Arabis procurrens	Brass			le	c		c	c		le	c	c										x		1947	Eur
Arabis rosea	Brass		x	le		le															x			2008	Eur
Arabis verna	Brass		x	c							c											x		1940	Eur, Afr, Asi-Tem
Aralia elata	Arali			le				le	c	le?	c			c		x						x		1909	Asi-Tem
Argemone mexicana	Papav			c			c	c														x		1947	NAm, SAm
Aristolochia macrophylla	Arist		x	c					c		c	c										x		1899	NAm
Armoracia rusticana	Brass	c		e	e	e	e	e	e	e	e	e	e	e				x				x			
Arnica chamissonis	Aster		x	le									le					x						1994	NAm
Artemisia abrotanum	Aster			c	?		c	c	c	c	c											x		1971	Eur, Asi-Tem
Artemisia annua	Aster			le?	le?	le?	le?		c	c	c		c	c								x		1867	Eur, Asi-Tem
Artemisia biennis	Aster		x	le?							c			le?								x		2005	NAm
Artemisia dracunculus	Aster			c	?	c	c		c													x		1971	Eur, Asi-Tem, Asi-Tro, NAm
Artemisia gilvescens	Aster		x	c					c													x		2016	Asi-Tem
Artemisia repens	Aster		x	le	c	le	le							c								x		1946	Eur, Asi-Tem
Artemisia tournefortiana	Aster		x	c							c											x		2022	Asi-Tem, Asi-Tro
Artemisia verlotiorum	Aster			e	e	e	e	e	e	e	e	e	e	e								x	x	1923	Asi-Tem
Arum italicum	Arace		x	le		c	le	c	c		c					x						x		2010	Eur, Afr, Asi-Tem
Arundo donax	Poace		x	c	c				c		c									x		x		2002	Asi-Tem, Asi-Tro, SAm
Asarina procumbens	Plant		x	le			le?	le														x		2004	Eur

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							Kögeler 1949, Walter et al. 2002
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
							Schultes 1814, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Melzer 1962b, Fischer et al. 2008
							Melzer 1954
esc							Speta 1978, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Vitek et al. 2021, Herbarium WU 2022, JACQ 2022, Hohla unpubl., Reich et al. unpubl., Reich et al.
							Fenzl 1852, Fischer et al. 2008, Gilli et al. 2021, Niklfeld & Schratt-Ehrendorfer 2022, Adler unpubl.
esc							Stöhr et al. 2006, Stöhr et al. 2007, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pachschwöll et al. unpubl.
							Pflugbeil & Moosbrugger 2016
esc							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Crantz 1767, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz unpubl.
							Melzer 1954, Melzer & Barta 1997, Fischer et al. 2008, Hohla et al. 2009, Raabe unpubl.
esc							Neilreich 1846, Fischer et al. 2008, Hohla 2009, Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Kramer 1756, Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
esc							Melzer 1991, Fischer et al. 2008
esc							Polatschek & Neuner 2013
esc							Pflugbeil & Pilsl 2013
esc							Schröck et al. 2004, Pflugbeil & Pilsl 2013
esc							Sauberer & Till 2015
esc							Dalla Torre von Thunberg-Sternhof & Sarnthein 1909, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Schratt-Ehrendorfer et al. 2000, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Stöhr unpubl.
							Gilli et al. 2020
							Pflugbeil & Pilsl 2013
esc							Dalla Torre von Thunberg-Sternhof & Sarnthein 1909, Walter et al. 2002, Berg et al. 2009, Hohla 2012b, Gilli et al. 2021
esc							Hamburger 1948, Fischer et al. 2008
esc							Hohla 2009, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Stöhr unpubl.
esc							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
con, sto							Pagitz 2004, Pagitz unpubl.
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli unpubl.
sto				(x)			Adler & Mrkvicka 2003a, Fischer et al. 2008, Fischer & Niklfeld 2011, Pflugbeil & Pilsl 2013, Kleesadl & Schröck 2021
							Pflugbeil & Pilsl 2013, Amann 2016
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Niklfeld & Schratt-Ehrendorfer 2022, Gilli unpubl., Barta unpubl.
							Hohla 2018a
							Rechinger 1950, Fischer et al. 2008, Pachschwöll unpubl.
							Hohla 2023
							Murr 1923, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Brandes 2015
							Hohla 2011a, Bernhardt et al. 2013, Pflugbeil & Pilsl 2013, Niklfeld 2016, Zernig et al. 2022
esc							Pflugbeil & Pilsl 2013, Hohla 2014, Gilli et al. 2020
esc							Vitek 2020, Vitek et al. 2021

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Asclepias syriaca[EU]	Apocy			e	e	e	e	e	c	e	c	c	le	c								x	x	1797	NAm
Asclepias tuberosa	Apocy		x	c							c											x		2003	NAm
Asparagus verticillatus	Aspar		x	le?		c	le?											x				x		2017	Eur, Asi-Tem
Asperula orientalis	Rubia			c		c			c				c									x		1904	Asi-Tem
Asphodelus fistulosus	Aspho			c		c																x		1950	Eur, Afr, Asi-Tem
Asplenium ceterach subsp. *bivalens*	Asple		x	c						c											x			1962	Eur, Asi-Tem
Asplenium ceterach subsp. *ceterach*	Asple		x	le	c	le		c		le	le	c		c							x			1837	Eur, Afr, Asi-Tem, Asi-Tro
Astilbe ×arendsii	Saxif		x	c							c	c	c									x		2018	
Astilbe chinensis	Saxif		x	c							c		c									x		2003	Asi-Tem, Asi-Tro
Astilbe japonica	Saxif			c		c	c		c	c	c		c	c			x	x				x		1971	Asi-Tem
Astilbe rubra	Saxif		x	c				c			c											x		2003	Asi-Tem, Asi-Tro
Astilboides tabularis	Saxif		x	c		c																x		2016	Asi-Tem
Astragalus falcatus	Fabac			c			c															x		1971	Eur, Asi-Tem
Astragalus galegiformis	Fabac		x	c	c													x						1977	Eur, Asi-Tem
Atocion armeria	Caryo			c	c	c	c	c	c	c	c	c	c	c								x		1836	Eur, Asi-Tem
Atriplex hortensis	Amara	c		c	c	c	c	c	c	c	c	c	c									x			
Atriplex littoralis s.str.	Amara		x	c			x		x			x		c								x		1917	Eur, Afr, Asi-Tem
Atriplex micrantha	Amara			e	e	e	e	c	e	c	le		e	le								x		1990	Eur
Aubrieta ×cultorum	Brass			c	c						c		c									x		1976	
Aucuba japonica	Garry		x	c			c		c													x		2004	Asi-Tem
Aurinia petraea	Brass			c				c														x		1931	Eur
Aurinia sinuata	Brass		x	c							c											x		2018	Eur
Avellinia festucoides	Poace		x	c				c														x		1949	Eur, Afr, Asi-Tem
Avena barbata	Poace			c				c					c	c								x		1954	Eur, Afr, Asi-Tem, Asi-Tro
Avena sativa	Poace	c		c	c	c	c	c	c	c	c	c	c	c									x		
Avena sterilis	Poace		x	c			c	c	c				c	c								x	x	1859	Eur, Afr, Asi-Tem, Asi-Tro
Avena strigosa	Poace			c	c	c	c	c	c		?											x		1854	Eur
Avena vilis	Poace	a, t	x	c					c		c	?						x			x	x	x	1880	
Azolla filiculoides	Salvi			e		e	e?	c	c					c					x					1958	NAm, SAm
Barbarea intermedia	Brass			e	c	c	c	c	c	c	le	c	e	e								x		1909	Eur, Afr
Barbarea intermedia × *B. vulgaris*	Brass			c										c								x		1907	
Barbarea rupicola	Brass		x	c		c			c													x		2016	Eur
Barbarea verna	Brass			e		c	c	c	?				e									x		1966	Eur, Asi-Tem
Bassia hyssopifolia	Amara			c		c		c														x		1890	Eur, Asi-Tem, Asi-Tro
Bassia scoparia (incl. subsp. *densiflora*)	Amara		x	e	e	e	e	c	e?	c	c	c	c									x		1756	Eur, Asi-Tem, Asi-Tro

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc	x						Host 1797, Fischer et al. 2008, Hohla et al. 2009, Fischer & Niklfeld 2011, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Amann 2016, Gilli & Niklfeld 2018, Niklfeld & Schratt-Ehrendorfer 2022, Stöhr unpubl.
esc							Pflugbeil & Pilsl 2013
esc							Danihelka et al. 2017, Gilli et al. 2020
							Walter et al. 2002, JACQ 2022
							Janchen 1977, Walter et al. 2002
esc							Stöhr et al. 2021
esc							Stöhr et al. 2021
esc							Pagitz et al. 2023, Stöhr unpubl.
esc							Stöhr et al. 2006, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008, Hohla 2011b, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016, Gilli unpubl.
esc							Pflugbeil & Pilsl 2013, Hohla 2018a
esc							Hohla 2016
							Forstner & Hübl 1971, Walter et al. 2002
							Gilli & Niklfeld 2018
esc							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
							Gilli et al. 2021
esc, cor							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Hohla 2014, Pagitz & Lechner-Pagitz 2015, Pachschwöll et al. 2025
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Essl 2005, Hohla 2018a
							Walter et al. 2002
							JACQ 2022, Pilsl unpubl.
							Kögeler 1949
							Walter et al. 2002, Fischer et al. 2008, Amann 2016
esc, sto							Walter et al. 2002, Adler & Mrkvicka 2003b, Pflugbeil & Pilsl 2013, Amann 2016
cor							Maier et al. 2001, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Amann 2016
							Janchen 1956–1960, 1977, Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pachschwöll et al. 2025
esc							Baum 1977, Pflugbeil & Pilsl 2013, Englmaier & Wilhalm 2018, JACQ 2022
sto							Fischer et al. 2008, Pall et al. 2013, Hohla et al. 2015, Niklfeld 2016, Stöhr et al. 2021
							Fischer et al. 2008, Hohla et al. 2009, Pall et al. 2013, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
							Murr 1923, Walter et al. 2002
							Hohla 2016, ZoBoDat 2022, Hohla unpubl.
							Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023
							Hamburger 1948, Fischer et al. 2008
	(x)						Kramer 1756, Fischer et al. 2008, Kleesadl 2017, JACQ 2022

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Beckmannia syzigachne	Poace			c	?	c							c									x		2000	Eur, Asi-Tem, NAm
Begonia ×*semperflorens* auct.	Begon		x	c			c		c													x		1971	
Bellardia trixago	Oroba			c				c		c										x		x		1954	Eur, Afr, Asi-Tem
Berberis ×*decumbens*	Aquif		x	c		c																x		2014	
Berberis ×*frikartii*	Berbe		x	c							c											x		2003	
Berberis ×*ottawensis*	Berbe		x	c		c																x		2016	
Berberis ×*wagneri*	Aquif		x	c		c																x		2014	
Berberis aquifolium	Aquif			e	e	e	e	c	e	c	le	c	c	c	x	x						x		1971	NAm
Berberis julianae	Berbe			e		c	c	c			c	c	e	c		x								1971	Asi-Tem
Berberis thunbergii	Berbe			le	c	c	c	c	le?	c	le?	le	le?	?	x	x						x		1971	Asi-Tem
Bergenia ×*schmidtii*	Saxif			c	c		c		c													x		1970	
Bergenia cordifolia	Saxif			c	c		c															x		1971	Asi-Tem
Bergenia crassifolia	Saxif			c			c			c	c	c		c								x		1960	Asi-Tem
Berteroa mutabilis	Brass			c				c														x		1946	Eur, Asi-Tem
Beta trigyna	Amara			c		c	c															x		1966	Eur, Asi-Tem
Beta vulgaris subsp. *maritima*	Amara			c				c														x	x	1948	Eur, Afr, Asi-Tem
Beta vulgaris subsp. *vulgaris*	Amara	c	x	c	c	c	c	c	c	c	c			c								x	x		
Bidens bipinnata	Aster			c		c		c		c			c	c								x		1923	NAm
Bidens ferulifolia	Aster		x	c		c	c		c		c	c	c									x		2001	NAm
Bidens frondosa	Aster			e	e	e	e	e	e	le	e		c	c								x	x	1960	NAm
Bidens pilosa	Aster			c						c												x		1968	NAm, SAm
Bidens vulgata	Aster			c						c												x		1983	NAm
Bistorta affinis	Polyg		x	c					c		c											x		2005	Asi-Tem, Asi-Tro
Bistorta amplexicaulis	Polyg		x	c		c					c											x		2017	Asi-Tem, Asi-Tro
Blitum capitatum	Amara			c	c	c	c	c	c	c	c											x		1836	NAm
Borago officinalis	Borag	a		c	c	c	c	c	c	c	c	c	c	c								x			Eur, Afr, Asi-Tem
Brachypodium distachyon	Poace			c				c														x		1954	Eur, Afr, Asi-Tem, Asi-Tro
Brachyscome iberidifolia	Aster		x	c									c									x		1979	Aus
Brassica elongata subsp. *elongata*	Brass		x	c	c	c					x											x		1957	Eur
Brassica elongata subsp. *integrifolia*	Brass			c	x	x	c	c			?										x	x		1920	Eur, Asi-Tem
Brassica juncea	Brass			c		c	c	c	c	c	c		c	c								x		1909	Asi-Tem
Brassica napus	Brass	a, c		e?	e?	e?	e?	e?	e?	c	e?	c	c	c								x			
Brassica oleracea	Brass	a		c		c	c	c	c	c	c	c										x			Eur
Brassica rapa	Brass	a		e?	c	c	c	c	c	e?	e?	c	c	e?								x			Eur, Afr, Asi-Tem
Briza maxima	Poace		x	c					c													x		2015	Eur, Afr, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
sto							Smettan 2006, Wallnöfer & Barta 2012
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla et al. 2009
							Walter et al. 2002
esc							Gilli et al. 2020
esc							Pflugbeil & Pilsl 2013
esc							Gilli et al. 2020
esc							Gilli et al. 2020
esc	x						Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Kniely unpubl.
esc							Forstner & Hübl 1971, Fischer et al. 2008, Stöhr et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016, Leonhartsberger 2018, Pagitz et al. 2023
esc							Forstner & Hübl 1971, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Follak et al. 2014, Pagitz & Lechner-Pagitz 2015, Amann 2016
esc							Walter et al. 2002, Hohla et al. 2009
esc							Forstner & Hübl 1971, Walter et al. 2002
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
							Hamburger 1948, Walter et al. 2002
							Walter et al. 2002, Gilli et al. 2021
esc							Melzer 1959, Fischer et al. 2008
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Fischer et al. 2008, Amann 2016, Pagitz et al. 2023
esc							Brandes 2012, Pflugbeil & Pilsl 2013, Hohla 2014, Gilli et al. 2021, Forum Flora Austria 2022, Pagitz et al. 2023, Nadler unpubl.
cor	x						Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016
							Walter et al. 2002
							Walter et al. 2002
esc							Hohla 2006b, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Gilli et al. 2019b, Pilsl unpubl.
esc							Hamburger 1948, Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Hamburger 1948, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016
							Walter et al. 2002
							Wagenitz 1979
							Traxler 1958, Janchen 1977
							Fritsch (jun.) 1920, Janchen 1956–1960, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Hohla unpubl.
esc							Fischer et al. 2008, Melzer & Barta 2008, Pflugbeil & Pilsl 2013, Hohla 2018a
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Kniely unpubl.
							Hohla et al. 2015

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Briza minor	Poace			c				c			x											x		1954	Eur, Afr, Asi-Tem
Bromus arvensis subsp. *parviflorus*	Poace		x	c									c									x		2005	Eur
Bromus briziformis	Poace			c				c														x		1941	Asi-Tem
Bromus catharticus	Poace			c		c	c	c			c		c	c									x	1923	SAm
Bromus commutatus subsp. *decipiens*	Poace			c	c	c		c	c		c	c	c	c								x		1879	Eur, Asi-Tem
Bromus diandrus s.str.	Poace			c				c	c	c			c	c								x		1954	Eur, Afr, Asi-Tem
Bromus hordeaceus subsp. *pseudothominei*	Poace		x	c	c	c	c	c	c	c	c	c	c	c								x		1948	Eur
Bromus incisus	Poace		x	c					c													x		2006	Eur, Asi-Tem
Bromus inermis subsp. *pumpellianus*	Poace		x	c			c		c		c	c										x		2004	Eur, Asi-Tem, NAm
Bromus lanceolatus	Poace			c				c														x		1981	Eur, Afr, Asi-Tem, Asi-Tro
Bromus lepidus	Poace	t		c			c	c	c				?									x		1930	Eur, Asi-Tem
Bromus luzonensis	Poace	t		e		?	c	e	c	le	c		c	c								x		1971	NAm, SAm
Bromus madritensis	Poace			c				c														x		1949	Eur, Afr, Asi-Tem
Bromus racemosus subsp. *lusitanicus*	Poace		x	c	c				c													x		1998	Eur, Afr, Asi-Tem, Asi-Tro
Bromus riparius	Poace		x	le?					le?		c											x		2010	Eur, Asi-Tem
Bromus sitchensis	Poace	t	x	c					c													x		2003	NAm
Broussonetia papyrifera	Morac			c	c	c	c	c								x								1966	Asi-Tem, Asi-Tro
Brunnera macrophylla	Borag			le	c	c	c	le	c	c	c	c	c	c		x	x					x		1960	Asi-Tem
Buddleja davidii	Scrop			e	e	e	e	e	e	e	e	le	e	e		x		x			x	x		1946	Asi-Tem
Bunias erucago	Brass	a		e	?	c	c	c	e	c	c	c	c	c								x	x	1843	Eur, Asi-Tem
Bunias orientalis	Brass			e	e	e	e	e	e	e	e	c	le	c								x	x	1866	Eur, Asi-Tem
Bunium bulbocastanum	Apiac			le		le	c			c								x				x		1958	Eur, Afr
Bupleurum baldense s.str.	Apiac			c				c														x		1954	Eur
Bupleurum odontites	Apiac			c									c									x		1902	Eur, Afr
Bupleurum subovatum	Apiac			c				c														x		1954	Eur, Afr, Asi-Tem
Buxus sempervirens	Buxac			le	c	c	c	c	le		le?	c	c	c	x	x								1850	Eur, Afr, Asi-Tem
Cabomba caroliniana[EU]	Cabom			le?		le?	?			le?									x					1964	NAm, SAm
Calamagrostis brachytricha	Poace		x	c			c															x		2017	Eur, Asi-Tem, Asi-Tro
Calandrinia ciliata s.lat.	Monti		x	c							c											x		2007	NAm, SAm
Calceolaria tripartita	Calce		x	c				c					c									x		1969	NAm, SAm
Calendula arvensis	Aster			c		c	c	c			c		c									x		1954	Eur, Afr, Asi-Tem
Calendula officinalis	Aster			c	c	c	c	c	c	c	c	c	c	c		x						x	x	1821	Eur
Calepina irregularis	Brass			le	le	c		c	c													x		2002	Eur, Afr, Asi-Tem
Calibrachoa ×*hybrida*	Solan		x	c		c							c									x		2020	
Callistephus chinensis	Aster			c	c	c	c	c	c	c	c	c	c	c								x		1912	Asi-Tem
Callitriche obtusangula	Plant		x	e		e	e		e										x					1960	
Calocedrus decurrens	Cupre		x	c		c									x							x		2005	NAm

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							Walter et al. 2002, Pflugbeil & Pilsl 2013
sto							Pagitz & Lechner-Pagitz 2015
esc, con, sto							Hamburger 1948, Walter et al. 2002
rel, esc, sto							Fischer et al. 2008, Eichberger et al. 2015, Diran 2016
sto, cor							Bomble & Scholz 1999, Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz & Lechner-Pagitz 2015, Gilli & Niklfeld 2018
sto, cor							Wilhalm & Pagitz 2001, Hohla et al. 2009, Amann 2016
							Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016, Forum Flora Austria 2022, Stöhr unpubl.
sto							Hohla et al. 2009
rel, esc							Hohla 2009, Pflugbeil & Pilsl 2013, Diran 2016, Forum Flora Austria 2022, Stöhr unpubl.
sto							Englmaier & Wilhalm 2018
sto							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Englmaier & Wilhalm 2018
esc, sto							Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Amann 2016, Kniely unpubl.
sto							Fischer et al. 2008
sto							Scholz & Hohla 2008
							Hohla 2011a, Kleesadl & Schröck 2021
rel, esc, sto							Hohla 2012b, ZoBoDat 2022
esc							Fischer et al. 2008, Scharfetter et al. 2011, Stöhr et al. 2012
esc							Walter et al. 2002, Hohla et al. 2009, Essl & Follak 2010, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016, Pachschwöll et al. 2025, Stöhr unpubl.
esc	x						Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli unpubl.
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Fischer et al. 2008
							Walter et al. 2002
							Walter et al. 2002
							Melzer 1954
esc							Essl 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz et al. 2023, Pachschwöll et al. 2025
esc, sto							Melzer 1964, Hartl et al. 1992, Fischer & Niklfeld 2011
esc							Englmaier & Wilhalm 2018
							Gilli et al. 2019b
							Forstner 1973
							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
sto							Hohla et al. 2009, Niklfeld 2015, Zernig et al. 2019
esc							Forum Flora Austria 2022, Pagitz unpubl.
esc							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Janchen 1956–1960, Fischer et al. 2008, Hohla et al. 2009
rel, esc							Essl & Hauser 2005, Essl & Stöhr 2006

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Camelina microcarpa subsp. *microcarpa*	Brass		x	c	c	c	c		c			c	c	c								x		1994	Eur, Afr, Asi-Tem
Camelina rumelica	Brass			c	c	c	c															x	x	1855	Eur, Afr, Asi-Tem, Asi-Tro
Camelina sativa var. *sativa*	Brass			c	c	c	c	c	c	c	c	c	c	c								x		1859	Eur, Asi-Tem, Asi-Tro
Camelina sativa var. *zingeri*	Brass			c	c	c			c												x			1960	Eur, Asi-Tem, Asi-Tro
Campanula alliariifolia	Campa			le?		le?		le?													x	x		1948	Asi-Tem
Campanula carpatica	Campa			c		c	c	c			c	c	c									x		1971	Eur
Campanula garganica	Campa			le		c	c	le			c										x	x		1971	Eur, Afr
Campanula hofmannii	Campa			c				c														x		1970	Eur
Campanula medium	Campa			c	c	c	c	c	c		c		c									x		1874	Eur
Campanula portenschlagiana	Campa			c		c	c		c		c	c	c	c								x		2002	Eur
Campanula poscharskyana	Campa			c		c	c	c	c		c	c									x	x		1953	Eur
Campanula pyramidalis	Campa			c	c	c	c		?													x		1962	Eur
Campanula rhomboidalis	Campa			le				le	le		c	c		c				x				x		1924	Eur
Canna indica	Canna		x	c					c		c											x		2011	NAm, SAm
Capsella rubella	Brass			c	c	c	c	c	c	c	c		c									x		1893	Eur, Afr
Capsicum annuum	Solan			c			c		c	c	c											x		1960	NAm, SAm
Caragana arborescens	Fabac			c	c	c	c	c			c	c	c	c	x							x		1960	Asi-Tem
Caragana frutex	Fabac			c			c															x		1971	Eur, Asi-Tem
Cardamine corymbosa	Brass		x	c					c													x		2010	Aus
Cardamine glanduligera	Brass			le				le	c													x		1961	Eur
Cardamine occulta	Brass		x	le		c	c	c	c	c	c	c	c	le								x		2003	Asi-Tro
Carduus hamulosus	Aster			c	?	c	c		x				c									x		1891	Eur, Asi-Tem
Carex bebbii	Cyper			le?		?	x						le?									x		1991	NAm
Carex cristatella	Cyper		x	c					c													x		1854	NAm
Carex grayi	Cyper		x	c		c								c								x		2008	NAm
Carex morrowii	Cyper		x	c					c													x		2019	Asi-Tem
Carex muskingumensis	Cyper		x	c			c				c											x		2002	NAm
Carex scoparia	Cyper		x	le					le								x							2009	NAm
Carex vulpinoidea	Cyper			le	c	c		c	le	c	le		le	c				x						1935	NAm, SAm
Carpobrotus edulis	Aizoa			c										c								x		1923	Afr
Carthamus lanatus	Aster			c		c																x		1817	Eur, Afr, Asi-Tem, Asi-Tro
Carthamus tinctorius	Aster			c	c		c	c	c	c			c	x								x		1914	Asi-Tem
Caryopteris ×clandonensis	Lamia			c		c	c	c	c		c	c										x		1996	
Catalpa bignonioides	Bigno			c	?	c	c	c	c	c	c	c	c			x				x		x		1998	NAm
Catalpa ovata	Bigno		x	c		c	c	c		c												x		2006	Asi-Tem
Catapodium rigidum	Poace		x	c		c	c	c	c	c	c											x		1948	Eur, Afr, Asi-Tem
Celastrus orbiculatus[EU]	Celas		x	le		c		le?		le		c				x						x		2003	Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Adler et al. 1994, Polatschek 1999, Adler & Mrkvicka 2003a, Fischer et al. 2008, Kleesadl 2009, Polatschek & Neuner 2013, Kniely unpubl.
							Forstner & Hübl 1971, Fischer et al. 2008
							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Janchen 1956–1960, Maurer 1996, Hohla 2005, Fischer et al. 2008, Hohla et al. 2009
esc							Melzer 1988b, Walter et al. 2002, Pachschwöll et al. 2025
esc							Forstner & Hübl 1971, Kniely et al. 2006, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Brandes 2015, Gilli et al. 2019b
esc							Forstner & Hübl 1971, Adler 2021 unpubl., JACQ 2022, Rozanek unpubl., Zernig unpubl., Pilsl unpubl.
esc							Forstner 1972, Walter et al. 2002
esc							Höhnel 1876, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Hohla 2006c, 2014, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Sauberer et al. 2020, Vitek et al. 2021, Pagitz et al. 2023
esc							Melzer 1973, Adler et al. 2008, Fischer et al. 2008, Hohla et al. 2009, Eichberger et al. 2015, Pagitz et al. 2023
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla et al. 2009, Gilli unpubl.
esc							Neumayer 1930, Polatschek 1999, Fischer et al. 2008, Hohla et al. 2009, Amann 2016, Observation International 2022
esc							Hohla 2011b, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022
esc							Janchen 1977, Walter et al. 2002, Pachschwöll et al. 2025, Leonhartsberger & Wendelin unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Pagitz et al. 2023, Pachschwöll et al. 2025, Sauberer & Prinz unpubl., Stöhr unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002
							Hohla 2011a
							Melzer 1962a, Walter et al. 2002, Hohla 2021
							Hohla 2012b, 2014, Hohla et al. 2015, Amann 2016, Niklfeld 2016, Pilsl unpubl., Essl unpubl., Stöhr unpubl.
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Gilli unpubl.
							Fischer et al. 2008, Wallnöfer & Essl 2016
							Wallnöfer 2006
							Amann 2016, Tintner 2016
							Hohla et al. 2019
							Wallnöfer & Essl 2016, Observation International 2022
							Wallnöfer & Essl 2016
							Wallnöfer 2012, Pflugbeil & Pilsl 2013, Zernig et al. 2018, Raabe & Gilli 2021 unpubl., Pagitz unpubl.
esc							Murr 1923, Walter et al. 2002
							Neilreich 1846, Walter et al. 2002
esc, sto							Hayek 1908–1956, Fischer et al. 2008, Hohla et al. 2009, Amann 2016, Pachschwöll et al. 2025
esc							Melzer & Barta 2001, Walter et al. 2002, Adler & Mrkvicka 2006, Fischer et al. 2008, Hohla 2012b, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Hohla et al. 1998, 2009, Stöhr et al. 2007, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Stöhr et al. 2007, Gilli et al. 2021, Pachschwöll et al. 2025
							Melzer 1954, Hartl et al. 1992, Pflugbeil & Pilsl 2013, Kleesadl 2017, Gilli & Niklfeld 2018, iNaturalist 2022
esc							Heber & Zernig 2013, Sauberer & Till 2015, Gilli et al. 2021, Forum Flora Austria 2022, Stöhr unpubl.

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Celastrus scandens	Celas			c			c			c												x		1971	NAm
Celosia argentea	Amara			c	c		c			c	x											x		1971	Afr
Celtis australis	Canna		x	c			c									x						x		2000	Eur, Afr, Asi-Tem
Celtis occidentalis	Canna			le?	c	le?	c									x						x		1971	NAm
Cenchrus caudatus	Poace		x	c			c	c			c											x		2006	Afr, Asi-Tem
Cenchrus orientalis	Poace		x	c		c																x		2022	Afr, Asi-Tem, Asi-Tro
Cenchrus purpurascens	Poace		x	c	c	c	c	c	c		c	c	c								x	x		2002	Asi-Tem, Asi-Tro, Aus
Cenchrus spinifex	Poace		x	c				c														x		1952	NAm, SAm
Centaurea benedicta	Aster	a		c	?	c				c												x			Eur, Afr, Asi-Tem, Asi-Tro
Centaurea calcitrapa	Aster			c		c	c		c	c	c											x		1838	Eur, Afr, Asi-Tem
Centaurea diffusa	Aster			c		c	c		c													x		1918	Eur, Asi-Tem
Centaurea diffusa × *C. stoebe* s. str.	Aster			c		c	c		c													x		1918	
Centaurea diluta	Aster			c										c								x		1989	Eur, Afr
Centaurea jacea × *C. nemoralis*	Aster		x	le		le				c								x						1931	
Centaurea nemoralis	Aster		x	c		c	c			c								x				x		1911	Eur
Centaurea nigra agg.	Aster			c		c	c	c	x	c								x				x		1845	Eur, Afr
Centaurea nigra s.str.	Aster		x	c			c											x				x		1878	Eur
Centaurea rupestris	Aster			c				c														x		1817	Eur
Centaurea scabiosa subsp. *spinulosa*	Aster			c		c	c															x		1901	Eur
Centaurea solstitialis	Aster			le?	c	le?	c	c	c		c		c	c								x	x	1846	Eur, Afr, Asi-Tem
Centaurea weldeniana	Aster		x	le		le												x						1886	Eur
Centranthus ruber	Capri			e	c	e?	e?	le	c	c	c	c	e	e?								x	x	1971	Eur, Afr
Cephalaria gigantea	Capri			le		le		c	c													x		1986	Asi-Tem
Cephalaria syriaca	Capri			c				c														x		1958	Eur, Afr, Asi-Tem
Cephalotaxus harringtonia	Podoc		x	c			c															x		2010	Asi-Tem
Cerastium dichotomum	Caryo		x	c		c																x		2008	Eur, Afr, Asi-Tem, Asi-Tro
Cerastium tomentosum s.str.	Caryo			e	c	le	le	c	le	c	le	e	e	c				x				x		1895	Eur
Ceratocapnos claviculata	Papav			le?					le?				c									x		2000	Eur
Ceratopteris thalictroides	Pteri			c						c									x					1964	Afr, NAm, SAm
Ceratostigma plumbaginoides	Plumb		x	le		c		le	c		c										x		x	2006	Asi-Tem
Cercidiphyllum japonicum	Cerci		x	c		c	c	c?			c											x		2019	Asi-Tem
Cercis chinensis	Fabac		x	c							c											x		2002	Asi-Tem
Cercis siliquastrum	Fabac			le?	c	le?	c															x		2006	Eur, Asi-Tem
Chaenomeles ×*superba*	Rosac			c			c	c	c		c	c										x		2002	
Chaenomeles japonica	Rosac			c							c											x		2002	Asi-Tem
Chaenomeles speciosa	Rosac			c	c		c		x			c										x		1971	Asi-Tem, Asi-Tro
Chaenorhinum origanifolium	Plant			c			c	c	c		c											x		2002	Eur, Afr
Chaenostoma cordatum	Scrop		x	c			c															x		2022	Afr

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esc							Forstner & Hübl 1971, Franz et al. 1990, Walter et al. 2002
esc							Forstner & Hübl 1971, Walter et al. 2002, Melzer 2003, JACQ 2022, Pachschwöll et al. 2025
esc							Fischer & Niklfeld 2011
esc							Forstner & Hübl 1971, Fischer et al. 2008, Helm unpubl.
esc							Pflugbeil & Pilsl 2013, Zernig et al. 2022, Lefnaer unpubl. Pachschwöll et al. 2025
esc, sto							Hohla 2002, Hohla et al. 2009, 2015, Niklfeld 2016, Zernig et al. 2019, Pagitz et al. 2023, Pachschwöll et al. 2025, Pilsl unpubl. Melzer 1954 Hausmann 1854, Fischer et al. 2008
							Forstner & Hübl 1971, Reif 1995, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013 Rechinger 1950, Fischer et al. 2008, Hohla et al. 2009 Neumayer 1922, Walter et al. 2002
							Polatschek 1997, Dörr & Lippert 2004, Amann 2016 Koutecký & Pachschwöll 2023
							Koutecký & Pachschwöll 2023 Hohla et al. 2009, Koutecký & Pachschwöll 2023 Koutecký & Pachschwöll 2023 Hamburger 1948, Walter et al. 2002 Hayek 1908–1956, Janchen 1977, Walter et al. 2002
							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld 2015, 2016 Koutecký 2012, JACQ 2022
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Leonhartsberger unpubl., Stöhr unpubl. Hohla et al. 2009, Wallnöfer et al. 2015, Zernig et al. 2017 Melzer 1959, Walter et al. 2002 Vitek et al. 2021 Fischer & Niklfeld 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Pagitz et al. 2023
							Fischer et al. 2008, Kleesadl 2009
sto							Walter et al. 2002, Stöhr et al. 2021
esc							Hohla 2011a, Pflugbeil & Pilsl 2013, Lefnaer 2018, Leonhartsberger 2018
esc							Hohla et al. 2019, Eichberger et al. 2021b, Forum Flora Austria 2022, Gilli unpubl., Griebl unpubl., Pflugbeil unpubl.
esc							Pflugbeil & Pilsl 2013
esc							Essl 2006, Stöhr et al. 2012, Sauberer et al. 2020
esc							Schröck et al. 2004, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Leonhartsberger 2018, Vitek et al. 2021
esc							Schröck et al. 2004, Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla et al. 2009, Pagitz et al. 2023
esc							Adler & Mrkvicka 2006, Hohla 2011a, Pflugbeil & Pilsl 2013
esc							iNaturalist 2022, Timaeus unpubl.

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Chamaecyparis lawsoniana	Cupre			c	c	c	c	c	c		c	c			x							x		1971	NAm
Chamaecyparis pisifera	Cupre			c			c		c		c											x		2002	Asi-Tem
Chamaemelum nobile	Aster			c	?	c		c	c													x		1950	Eur, Afr
Chasmanthium latifolium	Poace		x	c			c	c?					c									x		2008	NAm
Chenopodium album × *C. berlandieri*	Amara			c										c								x		1908	
Chenopodium album × *C. giganteum*	Amara		x	c	?	c	c				c											x		2013	
Chenopodium berlandieri	Amara		x	c		c	c	c	c				c	c								x		1908	NAm
Chenopodium betaceum	Amara		x	e	e	e	e	e	e	e	e	e	e	le				x				x		1850	Eur, Asi-Tem
Chenopodium giganteum	Amara	t		c		c	c	c	c	c	c	c	c	c								x	x	1960	Asi-Tem
Chenopodium hircinum	Amara			c		c		c					c	c								x	x	1960	SAm
Chenopodium missouriense	Amara			c			c		c													x		1992	Eur, Afr, Asi-Tem, NAm
Chenopodium pratericola	Amara			c		c	c	c					c	c								x		1920	NAm
Chenopodium probstii	Amara			e	e	e	e	e	c	c	c	c	c									x		1934	Asi-Tem, Asi-Tro
Chenopodium quinoa	Amara			c		x			x					c								x		1920	SAm
Chenopodium striatiforme	Amara			e	le?	le?	e		?				c									x		1860	Eur, Asi-Tem
Chiastophyllum oppositifolium	Crass		x	c					c													x		2011	Asi-Tem
Chorispora tenella	Brass			le	c	le	le			c								x				x		1953	Eur, Asi-Tem, Asi-Tro
Chrysanthemum ×*morifolium*	Aster		x	c			c							c								x		1915	
Chrysanthemum zawadskii	Aster			c			c															x		1967	Eur, Asi-Tem
Cicer arietinum	Fabac		x	c			c				c											x		2019	Asi-Tem
Cichorium calvum	Aster			c	c	c	c	c	c	?												x		1975	Afr, Asi-Tem, Asi-Tro
Cichorium endivia	Aster			c			c	c	c		c	c	c	c								x		1912	Afr, Asi-Tem
Cistus monspeliensis	Cista			c							c											x		1934	Eur, Afr
Citrullus lanatus	Cucur			c	?	c	c	c	c	c	c		c	c								x	x	1918	Afr
Citrus aurantium	Rutac			c			c															x		1971	Asi-Tem, Asi-Tro
Cladanthus mixtus	Aster			c			c	c														x		1949	Eur, Afr, Asi-Tem
Clarkia amoena	Onagr			c	c	c		c														x		1965	NAm
Clarkia unguiculata	Onagr			c		c		c	c													x		1970	NAm
Claytonia perfoliata	Monti			c	c	c	c	c	c		c	c										x		1992	NAm, SAm
Clematis glauca	Ranun			c									c									x		1931	Asi-Tem, Asi-Tro
Clematis orientalis	Ranun		x	c					c													x		1966	Eur, Asi-Tem, Asi-Tro
Clematis tangutica	Ranun			c		c	c	c	c		c	c	c									x		1975	Asi-Tem, Asi-Tro
Clematis viticella	Ranun			c		c																x		1984	Eur, Asi-Tem
Cleome houtteana	Cleom			c			c	c	c	c	c			c								x		1965	SAm
Cochlearia danica	Brass		x	c		c			c		c											x		2007	Eur
Cochlearia officinalis s.str.	Brass		x	c					c													x		1871	Eur

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rel, esc							Forstner & Hübl 1971, Walter et al. 2002, Essl & Stöhr 2006, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Leonhartsberger 2018, Pagitz et al. 2023, Pachschwöll et al. 2025
esc							Essl 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Melzer 1954, Walter et al. 2002, Hohla et al. 2009 Pagitz & Lechner-Pagitz 2015, Englmaier & Münch 2019, Gilli et al. 2020
hyb							Murr 1923, Walter et al. 2002
hyb							Wittmann & Pflugbeil 2017, Raabe & Gilli 2021 unpubl., Schratt-Ehrendorfer 2021 unpubl., Hohla unpubl.
con							Murr 1923, Fischer et al. 2008, Hohla et al. 2009 Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, JACQ 2022
esc							Walter et al. 2002, Fischer et al. 2008, Hohla 2013, Pflugbeil & Pilsl 2013, Gilli et al. 2020, Pagitz et al. 2023, Hohla unpubl.
sto							Polatschek 1999, Fischer et al. 2008, Polatschek & Neuner 2013, Pagitz et al. 2023 Fischer et al. 2008, JACQ 2022, Walter unpubl.
con, sto							Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008
sto							Fischer et al. 2008, Hohla 2013, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, JACQ 2022
esc, con, sto							Murr 1923, Walter et al. 2002, Fischer et al. 2008
sto							Fischer et al. 2008, Hohla et al. 2009, JACQ 2022, Walter unpubl.
esc							Hohla 2011b
							Forstner & Hübl 1971, Fischer et al. 2008
esc							Murr 1923, Walter et al. 2002, Amann 2016
esc							Walter et al. 2002, JACQ 2022
esc							Gilli et al. 2020, JACQ 2022 Traxler 1979, Fischer et al. 2008, Hohla 2018a
esc							Dalla Torre von Thunberg-Sternhof & Sarnthein 1912, Fischer et al. 2008, Hohla et al. 2009, JACQ 2022, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Walter et al. 2002 Melzer 1954, Walter et al. 2002
esc							Janchen 1966, Walter et al. 2002
esc							Melzer 1980, Hohla et al. 2009
esc, con, sto							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Eichberger et al. 2015, Sauberer & Till 2015, Vitek et al. 2021, Zernig et al. 2022, Pagitz et al. 2023, Pachschwöll et al. 2025
esc							Murr 1931, Walter et al. 2002
esc							Hohla et al. 2009
esc							Polatschek 1980, Fischer et al. 2008, Hohla 2013, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Gilli & Niklfeld 2018, Leonhartsberger 2018
esc							Melzer & Barta 1994, Walter et al. 2002, ZoBoDat 2022, Hohla unpubl.
esc							Melzer 1968, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013 Fischer & Niklfeld 2008, Hohla & Raabe 2012, Hohla 2014 Hohla et al. 2009

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Coincya monensis subsp. *cheiranthos*	Brass			c	c			c														x		1950	Eur, Afr
Coix lacryma-jobi	Poace		x	c		c			c													x		2002	Asi-Tem, Asi-Tro
Coleostephus myconis	Aster			c				c														x		1950	Eur, Afr, Asi-Tem
Coleus caninus	Lamia		x	c			c															x		2008	Afr, Asi-Tro
Commelina communis	Comme			c	c	c	c	c	c	c	c	c	c	c								x	x	1955	Asi-Tem, Asi-Tro
Convolvulus dubius	Convo			c		c			c		c		c	c		x						x		1963	Asi-Tem
Convolvulus sabatius	Convo		x	c			c															x		2013	Eur, Afr
Convolvulus silvaticus	Convo			c		c	c				x											x		1992	Eur, Afr, Asi-Tem
Convolvulus tricolor	Convo			c		c	c															x		1971	Eur, Afr
Coreopsis grandiflora	Aster			c		c	c		c		c	c										x		1963	NAm
Coreopsis lanceolata	Aster			c	c	c	c		c													x		1970	NAm
Coreopsis tinctoria	Aster			c	c	c	c		c	c	c	c	c	c								x		1912	NAm
Coreopsis verticillata	Aster		x	c							c	c										x		2002	NAm
Coriandrum sativum	Apiac	c		c	?	c	c	c	c	c	c		c	c								x			
Corispermum pallasii	Amara			le		le	c		x			x	c									x		1872	Eur, Asi-Tem
Cornus alba s.str.	Corna		x	c		?	?	?	x	?	c			c		x				x				1880	Eur, Asi-Tem
Cornus sanguinea subsp. *australis*	Corna			e	c	c		c	e	c	e	c	e		x	x				x		x		1967	Eur, Asi-Tem
Cornus sericea	Corna			e		le	le	c	e	e	e	le	e	le	x	x	x			x		x		1934	NAm
Coronilla scorpioides	Fabac			c				c		c												x		1948	Eur, Afr, Asi-Tem
Cortaderia selloana	Poace		x	c							c											x		2019	SAm
Corydalis cheilanthifolia	Papav		x	c		c		c	c		c											x		2011	Asi-Tem
Corydalis ophiocarpa	Papav		x	c					c													x		2014	Asi-Tem
Corylus colurna	Betul			c	?	c	c	c	x	c	c					x						x		1971	Eur, Asi-Tem
Corylus maxima	Betul			c			c		c		c				x	x				x				2001	Eur
Cosmos bipinnatus	Aster			c	c	c	c	c	c	c	c	c	c	c								x		1932	NAm
Cota altissima	Aster			c	?			c														x		1948	Eur, Asi-Tem
Cota segetalis	Aster			c				c														x		1948	Eur
Cotoneaster ×suecicus	Rosac			c		c	c		c		c	c	c									x		2002	
Cotoneaster ×watereri	Rosac			c			c		c		c											x		2002	
Cotoneaster acutifolius	Rosac			c		c	c				c		c			x						x		1971	Asi-Tem
Cotoneaster bullatus	Rosac			e		c	c		le?	c	le	le	e	c	x	x					x			2002	Asi-Tem
Cotoneaster dammeri	Rosac			le		c	c	c	c		le	c	c	c		x						x		1998	Asi-Tem
Cotoneaster dielsianus	Rosac			e	c	c	c	c	c	c	e	le	e	le	x	x					x	x		1994	Asi-Tem
Cotoneaster divaricatus	Rosac			e	e	e	le	c	e	le	e	e	e	le	x	x					x	x		2002	Asi-Tem
Cotoneaster franchetii	Rosac			le		le	c		c						x							x		1971	Asi-Tem, Asi-Tro
Cotoneaster horizontalis	Rosac			e	e	le	c	le	le	le	e	le	e	le	x	x	x				x	x		1970	Asi-Tem, Asi-Tro
Cotoneaster integrifolius	Rosac		x	c					c		c											x		2008	Asi-Tem
Cotoneaster laxiflorus	Rosac			le		?	le				?					x						x		2005	Eur, Asi-Tem
Cotoneaster microphyllus	Rosac		x	c					c													x		2015	Asi-Tem, Asi-Tro

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Melzer 1954, Fischer et al. 2008
esc							Essl 2003, Hohla 2018a Melzer 1954, Walter et al. 2002 Vitek et al. 2021, Horak unpubl.
esc							Melzer 1955, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Brandes 2015, Polatschek unpubl.
esc							Janchen 1964, Walter et al. 2002, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Hohla 2018a
esc							Vitek et al. 2021
esc							Fischer & Niklfeld 2003, Pflugbeil & Pilsl 2013, Sauberer 2020 unpubl., Niklfeld & Schratt-Ehrendorfer 2022, Forum Flora Austria 2022, Forstner unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002, Niklfeld & Schratt-Ehrendorfer 2022, Sinn unpubl.
esc							Janchen 1964, Walter et al. 2002, Pflugbeil & Pilsl 2013, Hohla et al. 2019, Pagitz et al. 2023
esc							Traxler 1971, Fischer et al. 2008, Hohla et al. 2009
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli unpubl. Fischer et al. 2008, Fischer & Niklfeld 2008, Hohla et al. 2009, JACQ 2022, Stöhr unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Stöhr unpubl.
esc							Hamburger 1948, Adler & Mrkvicka 2003a, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Pagitz & Lechner-Pagitz 2015, Amann 2016, Zernig et al. 2017, Gilli et al. 2019b Melzer 1954, Hartl et al. 1992
esc							JACQ 2022, Pilsl unpubl. Scharfetter et al. 2011, Pflugbeil & Pilsl 2013, Hohla et al. 2015, Gilli et al. 2020 Hohla 2014
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli et al. 2022
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, sto							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013 Melzer 1954, Walter et al. 2002 Janchen 1956–1960, Walter et al. 2002
rel, esc							Schröck et al. 2004, Essl & Stöhr 2006, Stöhr et al. 2006, Schinninger & Rožánek 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Stöhr unpubl.
rel, esc							Hohla 2006c, Stöhr et al. 2007, Dickoré & Kasperek 2010
rel, esc							Forstner & Hübl 1971, Dickoré & Kasperek 2010, Pflugbeil & Pilsl 2013
esc							Melzer & Barta 2003, Fischer et al. 2008, Schinninger & Rožánek 2008, Hohla et al. 2009, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Amann 2016
rel, esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016, Vitek et al. 2021
esc							Schröck et al. 2004, Hohla et al. 2009, Stöhr et al. 2009, 2012, Stöhr 2011, Till 2011, 2021, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Pachschwöll et al. 2025, Essl unpubl., Wittmann unpubl.
rel, esc	x?						Stöhr 2002, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
rel, esc							Forstner & Hübl 1971, Walter et al. 2002, Stöhr et al. 2007, Hohla 2014
rel, esc	x?						Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Stöhr et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Brandes 2015, Leonhartsberger unpubl.
rel, esc							Dickoré & Kasperek 2010, Hohla 2014
esc							Fischer et al. 2008, Dickoré & Kasperek 2010, Barta unpubl.
rel, esc							Hohla et al. 2015

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Cotoneaster multiflorus	Rosac			c			c															x		1971	Asi-Tem
Cotoneaster nitens	Rosac		x	c		c																x		2003	Asi-Tem
Cotoneaster salicifolius	Rosac		x	c					c		c		c	c								x		2002	Asi-Tem
Cotula coronopifolia	Aster			c			c															x		1997	Afr
Crambe hispanica	Brass			c		c	c															x		1998	Eur, Afr, Asi-Tem
Crambe orientalis	Brass			c		c	c															x		1971	Asi-Tem
Crassula helmsii	Crass		x	c		c													x					2019	Aus
Crataegus ×gillotii	Rosac		x	c		c										x								1920	
Crataegus coccinea	Rosac		x	c		c	c	c			c					x						x		2008	NAm
Crataegus germanica	Rosac			le		le	c	c	c		c			c		x								1872	Eur, Asi-Tem
Crataegus sanguinea	Rosac			c		c	c															x		1960	Eur, Asi-Tem
Crepis foetida subsp. *foetida*	Aster		x	c		?	?		c	c												x		2011	Eur, Afr, Asi-Tem, Asi-Tro
Crepis nicaeensis	Aster			c		c	c		?		x		c									x		1845	Eur
Crepis pulchra	Aster			e	e	e	c		?	c	x		c									x		1859	Eur, Afr, Asi-Tem, Asi-Tro
Crepis pygmaea	Aster			le?		le?															x			2002	Eur
Crepis sancta	Aster		x	c							c											x		2014	Eur, Afr, Asi-Tem
Crepis vesicaria subsp. *taraxacifolia*	Aster			e?		c	c	c	e?		c		c	c								x		1819	Eur, Afr
Crepis zacintha	Aster			c				c														x		1948	Eur, Asi-Tem
Crocosmia ×crocosmiiflora	Irida			c		c			c	c	c			c								x		1967	
Crocus banaticus	Irida			le	le													x				x		1970	Eur
Crocus chrysanthus	Irida			c		c					c	c										x		2002	Eur, Asi-Tem
Crocus flavus	Irida			c	?				c		c	c	c									x		1984	Eur, Asi-Tem
Crocus heuffelianus	Irida			le	le													x				x		1970	Eur
Crocus kotschyanus	Irida		x	c			c	c														x		2008	Asi-Tem
Crocus neglectus	Irida		x	le?					le?		le?	c	c									x		1908	Eur
Crocus neglectus × *C. tommasinianus*	Irida		x	c							c											x		2006	
Crocus sativus	Irida		x	c	f	c																	x	1859	Eur
Crocus speciosus	Irida		x	c		c	c															x		2008	Eur, Asi-Tem
Crocus tommasinianus	Irida			e		c	c	c	c		le?	c	e			x		x						2002	Eur
Crupina vulgaris	Aster		x	c	c																	x		1851	Eur, Afr, Asi-Tem, Asi-Tro
Cryptocoryne balansae	Arace			le?						le?									x					1992	Asi-Tem, Asi-Tro
Cryptocoryne wendtii	Arace			le?						le?									x					1992	Asi-Tro
Cryptotaenia canadensis	Apiac			le				le								x								1891	NAm
Cucumis melo	Cucur	c		c		c	c		c	c												x	x		
Cucumis sativus	Cucur	c		c	?		c		c	c	c			c								x	x		
Cucurbita ficifolia	Cucur			c			c				c											x	x	1971	SAm
Cucurbita foetidissima	Cucur			c									c									x	x	1907	NAm
Cucurbita maxima	Cucur			c			c	c			c	c	c	c								x	x	1923	SAm
Cucurbita moschata	Cucur		x	c		c			c													x	x	2015	NAm
Cucurbita pepo	Cucur			c	c	c	c	c	c	c	c	c	c	c								x		1923	NAm
Cuphea hyssopifolia	Lythr		x	c							c											x		2016	NAm, SAm

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rel, esc							Forstner & Hübl 1971, Walter et al. 2002, Adler & Mrkvicka 2003a, Dickoré & Kasperek 2010
rel, esc							Dickoré & Kasperek 2010
esc							Pflugbeil & Pilsl 2013, Amann 2016, Hohla 2021, Pagitz et al. 2023
							Melzer & Barta 2001, Walter et al. 2002
							Melzer & Barta 2000, Bernhardt & Laubhann 2006
							Forstner & Hübl 1971, Walter et al. 2002
esc, sto							Sauberer et al. 2020
esc							Neumayer 1922, Janchen 1956–1960, Walter et al. 2002
esc							Pflugbeil & Pilsl 2013, Gilli et al. 2021, Vitek et al. 2021
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Janchen 1956–1960, Walter et al. 2002
							Fischer et al. 2008, Kleesadl 2017, Gilli et al. 2020
							Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld 2016, Pagitz et al. 2023
							Saukel 2003
							Eichberger et al. 2015
							Fischer et al. 2008, Hohla et al. 2009, Pachschwöll et al. 2025
							Melzer 1954, Walter et al. 2002
esc							Melzer 1968, Hartl et al. 1992, Walter et al. 2002, Pflugbeil & Pilsl 2013, Hohla 2014
esc							Weber 2005
esc							Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Hohla unpubl.
esc							Traxler 1984, Walter et al. 2002, Schröck et al. 2004, Stöhr et al. 2007, Hohla et al. 2009, Pagitz et al. 2023
esc							Traxler 1970, Walter et al. 2002
esc							Fischer et al. 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013
esc							Neilreich 1859, Tkalcsics unpubl.
esc							Fischer et al. 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Heber & Zernig 2013, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Neilreich 1852, 1859, Janchen 1956–1960, 1977
sto							Hartl et al. 1992
sto							Hartl et al. 1992, Walter et al. 2002
							Hamburger 1948, Melzer 1954, Janchen 1956–1960
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Barta unpubl., Gilli unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002, Wittmann unpubl.
esc							Murr 1907, Walter et al. 2002
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Brandes 2015, Pagitz et al. 2023
esc							Hohla et al. 2015, Sauberer et al. 2020
esc							Walter et al. 2002, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016
esc							JACQ 2022, Pilsl unpubl.

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Cuphea lanceolata	Lythr			c			c															x		1971	NAm
Cuscuta campestris	Convo			e	e	e	e	c	e?	c	c			c								x		1919	NAm, SAm
Cuscuta gronovii	Convo			c				c														x		1976	NAm, SAm
Cyclachaena xanthiifolia	Aster			c	c	c	c	c	c		c		c									x		1947	NAm
Cyclamen coum	Primu		x	le?		le?										x						x		2005	Eur, Asi-Tem
Cyclamen hederifolium	Primu		x	c		c		c														x		2008	Eur, Asi-Tem
Cydonia oblonga	Rosac			c	c	c	c	c	c		c	c		c		x						x		1846	Asi-Tem
Cymbalaria muralis	Plant	a		e	e	e	e	e	e	e	e	e	e	e							x	x		1838	Eur
Cymbalaria pallida	Plant		x	c					c		c											x		2006	Eur
Cynara cardunculus var. *scolymus*	Aster			c				c														x		2002	Eur, Afr
Cynoglossum amabile	Borag		x	c		c?			c		c											x		2016	Asi-Tem, Asi-Tro
Cynoglossum creticum	Borag		x	c							c											x		2019	Eur, Afr, Asi-Tem
Cynoglottis barrelieri	Borag			c		c																x		1889	Eur, Asi-Tem
Cynosurus echinatus	Poace			c		c	c	c	c	c	c		c									x		1833	Eur, Afr, Asi-Tem, Asi-Tro
Cyperus alternifolius subsp. *flabelliformis*	Cyper		x	c		?					c											x		2014	Afr, Asi-Tem
Cyperus congestus	Cyper		x	c					c													x		2014	Afr
Cyperus eragrostis	Cyper			c		c	c		c		c											x		2003	Pac, NAm, SAm
Cyperus esculentus	Cyper			e	e	e?	c	e	e?	e	c		e	c									x	1987	Eur, Afr, Asi-Tem, Asi-Tro, NAm, SAm
Cyperus glomeratus	Cyper			c		c		c					x										x	1868	Eur, Asi-Tem, Asi-Tro
Cyperus lupulinus subsp. *macilentus*	Cyper			c									c									x		1901	NAm
Cyperus rotundus	Cyper			c				c		c												x		1955	Eur, Afr, Asi-Tem, Asi-Tro, Pac
Cyperus strigosus	Cyper		x	c									c									x		2012	NAm, SAm
Cyrtomium falcatum	Dryop			c			c															x		1971	Asi-Tem, Asi-Tro, Pac
Cyrtomium fortunei	Dryop		x	c		c	c	a					c									x		1951	Asi-Tem
Cytisus scoparius subsp. *scoparius*	Fabac			e	e	e	c	e	e	e	c	c	e	c	x	x	x					x		1821	Eur
Dahlia ×hortensis	Aster	t		c	c		c	c	c	c	c	c										x		1967	
Danthonia spicata	Poace		x	c	c																	x		2022	NAm
Darmera peltata	Saxif		x	c						c?	c											x		2014	NAm
Dasiphora fruticosa	Rosac			c	c	c	c	c	c	c	c	c	c									x		1990	Eur, Asi-Tem, NAm
Dasypyrum villosum	Poace			c			c	c		c												x		1887	Eur, Asi-Tem
Datisca cannabina	Datis		x	c		c																x		2008	Eur, Asi-Tem, Asi-Tro
Datura ferox	Solan			c		c																x		2003	NAm
Datura innoxia	Solan			c	c	c	c	c	c	c	c	c										x	x	1987	NAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Forstner & Hübl 1971, Walter et al. 2002
sto							Murr 1923, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Amann 2016, Kleesadl 2017
sto							Melzer 1991, Walter et al. 2002
					(x)		Fischer et al. 2008, Fischer & Niklfeld 2011, Pflugbeil & Pilsl 2013, Hohla et al. 2019
esc							Fischer & Niklfeld 2008, Till unpubl.
esc							Fischer & Niklfeld 2008, Zernig et al. 2018
esc							Neilreich 1846, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016
esc							Hohla 2011b, 2022, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002
							Wittmann & Pflugbeil 2017, Hohla 2018b, Till unpubl.
							JACQ 2022, Pilsl unpubl.
							Janchen 1956–1960, Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, sto							JACQ 2022, Pilsl unpubl.
sto							Hohla et al. 2015
esc							Bernhardt et al. 2006, Fischer et al. 2008, Kleesadl & Schröck 2021, Vitek et al. 2021, JACQ 2022
esc, sto, cor		x					Hohla 2012b, Pflugbeil & Pilsl 2013, Follak et al. 2015, Pagitz & Lechner-Pagitz 2015, Amann 2016, Zernig et al. 2018, Gilli et al. 2019b, Pagitz et al. 2023
							Maly 1868, Hayek 1908–1956, Walter et al. 2002, Melzer & Barta 2005, Fischer et al. 2008
							Dalla Torre von Thunberg-Sternhof & Sarnthein 1906, 1909, Bernhardt & Gregor 2019
sto							Melzer 1955, Hartl et al. 1992, Fischer et al. 2008
sto							Polatschek & Neuner 2013
esc							Walter et al. 2002, Stöhr et al. 2021
esc							Stöhr et al. 2021
rel, esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. unpubl.
esc							Traxler 1967, Walter et al. 2002, Adler & Mrkvicka 2003a, Hohla et al. 2005b, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
							Pachschwöll et al. 2025
esc							JACQ 2022, Pflugbeil unpubl., Griebl unpubl.
rel, esc							Adler & Mrkvicka 2003a, Schröck et al. 2004, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Pagitz et al. 2023, Pachschwöll et al. 2025
							Forstner & Hübl 1971, Walter et al. 2002
							Stöhr et al. 2009
							Bernhardt et al. 2006
esc							Melzer 1988b, Adler & Mrkvicka 2006, Fischer et al. 2008, Hohla et al. 2009, Stöhr et al. 2009, Eichberger et al. 2015, NAGO 2022, Stöhr unpubl.

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Datura stramonium	Solan			e	e	e	e	e	e	e	e	e	e	le								x	x	1583	NAm
Datura wrightii	Solan			c	c	c		c	c		c											x		2002	NAm
Daucosma laciniata	Apiac			c					c													x		1953	NAm
Delairea odorata	Aster		x	c							c											x		2011	Afr
Delosperma cooperi	Aizoa		x	c		c																x		2022	Afr
Delphinium ×cultorum	Ranun	t		c			c		c			c										x		1971	
Delphinium ajacis	Ranun			c	c	c	c	c	c	c	c	c	c	c								x		1846	Eur, Asi-Tem
Delphinium hispanicum	Ranun			e	c	e	e	c	le?	c			c	c								x		1868	Eur, Afr, Asi-Tem, Asi-Tro
Deutzia crenata	Hydra		x	e?	c	c	c	c	c		e?	c	c	c		x						x		1929	Asi-Tem
Deutzia gracilis	Hydra			c			c															x		2006	Asi-Tem
Dianthus giganteus	Caryo			c	c	c	c	c	c		c											x		1948	Eur, Asi-Tem
Dianthus gratianopolitanus	Caryo			c					c		c		c	c								x		1851	Eur
Dianthus monspessulanus × *D. superbus*	Caryo		x	c							c											x		2007	
Dicentra formosa	Papav		x	c					c													x		1995	NAm
Dichanthelium acuminatum	Poace		x	le										le								x		2008	NAm, SAm
Digitalis ferruginea	Plant			c		c																x		1846	Eur, Asi-Tem
Digitalis lanata	Plant			le	c	le	c															x		1972	Eur, Asi-Tem
Digitalis purpurea	Plant			e	le	e	c	e	e	c	le	c	e	c	x		x	x						1963	Eur, Afr
Digitaria ciliaris	Poace		x	c				c	c	?	c											x	x	1980	Afr, Asi-Tem, Asi-Tro, NAm, SAm
Digitaria setigera	Poace		x	c					c													x		2010	Afr, Asi-Tem, Asi-Tro, Aus, Pac
Dimorphotheca ecklonis	Aster		x	c					c													x		2010	Afr
Diplotaxis erucoides	Brass			c	?	c	c		x				c									x	x	1971	Eur, Afr, Asi-Tem
Dipsacus sativus	Capri			c			c						c	c								x	x	1971	Eur
Dipsacus strigosus	Capri			e?	c	c	e?	c	c		e?		le									x		2001	Eur, Asi-Tem
Dittrichia graveolens	Aster			e	e	e	e	e	e	e	e	c	e	e								x		2000	Eur, Afr, Asi-Tem, Asi-Tro
Dittrichia viscosa	Aster		x	c	x	c																x		2008	Eur, Afr, Asi-Tem
Doronicum orientale	Aster			c		c	c	c	c			c				x						x		1929	Eur, Asi-Tem
Doronicum pardalianches	Aster			le	le	le	c		le		x				x	x								1899	Eur
Draba incana s.str.	Brass		x	c							c										x			1947	Eur, Asi-Tem, NAm
Draba muralis	Brass			e	le	le	c	le	e	c	le		c									x		1954	Eur, Afr, Asi-Tem
Dracocephalum moldavica	Lamia			c	c				c					c								x		1922	Asi-Tem, Asi-Tro
Dracocephalum thymiflorum	Lamia			c			c	c														x		1893	Eur, Asi-Tem
Dysphania ambrosioides	Amara			c	c	c	c	c	?	c	?	?										x		1918	NAm, SAm
Dysphania botrys	Amara			e	e	e	e	c	e	c		c	c									x		1756	Eur, Asi-Tem, Asi-Tro
Dysphania nepalensis	Amara		x	c			c															x		1937	Asi-Tem, Asi-Tro

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc		x			(x)		Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Pagitz et al. unpubl.
esc, sto							Walter et al. 2002, Melzer 2005, Melzer & Barta 2005, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Baschant 1955, Hohla et al. 2009
							JACQ 2022, Pilsl unpubl.
esc							Pachschwöll et al. 2025
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla et al. 2009, Pagitz et al. 2023
esc							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Amann 2016
esc							Fritsch (jun.) 1929, Janchen 1956–1960, Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz & Lechner-Pagitz 2015, Pachschwöll et al. 2025, Hohla unpubl., Kniely unpubl., Heber unpubl., Stöhr unpubl., Pilsl unpubl.
esc							Vitek et al. 2021
esc							Kögeler 1949, Hohla 2012b, Niklfeld 2016, Gilli et al. 2021, Forum Flora Austria 2022, Lefnaer unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
esc							Pflugbeil & Pilsl 2013
esc							Hohla 2014
							Aschauer & Grabher 2017
esc							Neilreich 1846, Walter et al. 2002
esc							Fischer et al. 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Vitek et al. 2021, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
							Fischer et al. 2008, Melzer & Ocepek 2009, Wilhalm 2009, Pflugbeil et al. 2017, Kleesadl & Schröck 2022
							Hohla 2011a, b
esc							Hohla 2011a, 2018b
							Forstner & Hübl 1971, Walter et al. 2002, Bernhardt et al. 2008, Fischer et al. 2008, Hohla et al. 2009, Pagitz unpubl.
esc							Forstner & Hübl 1971, Polatschek 1999, Adler & Mrkvicka 2003b, Dörr & Lippert 2004, Fischer et al. 2008, Amann 2016
con, sto							Melzer & Barta 2002, 2008, Hohla 2009, Eichberger et al. 2015, Pagitz & Lechner-Pagitz 2015, Gilli & Niklfeld 2018, Gilli et al. 2021
							Hohla 2001, Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015
							Melzer & Ocepek 2009, Gilli et al. 2021
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Pflugbeil & Pilsl 2013
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Thalinger unpubl.
esc							Murr 1923, Melzer & Barta 1992, Fischer et al. 2008, Hohla 2011b
esc							Forstner & Hübl 1971, Walter et al. 2002
							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pachschwöll et al. 2025
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. unpubl.
							Perth 2013

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Dysphania pumilio	Amara			e	e?	e?	e	e?	c													x		1960	Aus
Dysphania schraderiana	Amara			c		c		c	c		x		c	c								x		1880	Afr, Asi-Tem, Asi-Tro
Ecballium elaterium	Cucur			c			c	c														x		1926	Eur, Afr, Asi-Tem
Echinacea purpurea	Aster			c					c		c	c										x		2002	NAm
Echinochloa colona	Poace			c			c	c		c		c										x	x	2002	Afr, Asi-Tem, Asi-Tro
Echinochloa crus-galli subsp. *spiralis*	Poace			e	c	c		e	e	c	c											x	x	2003	Eur, Afr, Asi-Tem, Asi-Tro
Echinochloa esculenta	Poace			c		c	c	c	c	c	c	c				x						x	x	1983	Asi-Tem
Echinochloa frumentacea	Poace			c			c	c	c	c	c		c	c								x	x	1988	Asi-Tro
Echinochloa muricata	Poace			e	e			c	c	?	c											x	x	1993	NAm
Echinochloa turneriana	Poace		x	c					c													x	x	2010	Aus
Echinocystis lobata	Cucur			e	e	e		e	c			c	e			x	x					x		1923	NAm
Echinops bannaticus	Aster			c		c	c	c	c		c											x		1971	Eur
Echinops exaltatus	Aster			c		c	c	c	c	c			c									x		1947	Eur
Echium plantagineum	Borag			c			c	c	c		c	c	c	c								x		1960	Eur, Afr, Asi-Tem
Eclipta prostrata	Aster		x	c		c					c								x					2013	NAm, SAm
Egeria densa	Hydro			c			c	c		c									x					1927	SAm
Elaeagnus angustifolia	Elaea			e	e	le	c	c	c	c		c	c			x		x				x		1971	Eur, Asi-Tem, Asi-Tro
Elaeagnus umbellata	Elaea		x	c						c												x		2019	Asi-Tem, Asi-Tro
Elatine ambigua	Elati			c		c		c											x					1992	Asi-Tem, Asi-Tro
Eleusine indica	Poace			c		c	c	c					c									x		1971	Afr, Asi-Tem, Asi-Tro
Eleusine tristachya	Poace			c			c	c														x		1982	SAm
Elodea callitrichoides	Hydro			c		c													x					1998	SAm
Elodea canadensis	Hydro			e	e	e	e	e	e	e	e	le	e	e					x					1883	NAm
Elodea nuttallii[EU]	Hydro			e		e	e		e	e	e		e	e					x					2000	NAm
Elsholtzia ciliata	Lamia			c		c		c	c													x		1954	Asi-Tem, Asi-Tro
Elsholtzia stauntonii	Lamia			c			c															x		1964	Asi-Tem
Elymus campestris	Poace		x	c			c															x		1995	Eur
Elymus canadensis	Poace		x	c					c													x		1894	NAm
Elymus hystrix	Poace		x	c					c													x		2014	NAm
Elymus obtusiflorus	Poace		x	c	c	c	c		c	c												x		1944	Eur, Asi-Tem
Emilia coccinea	Aster		x	c									c									x		2021	Afr
Epilobium ×floridulum (=*E. ciliatum* × *parviflorum*)	Onagr			c				c	c	c	c						x						x	1986	
Epilobium ×fossicola (=*E. ciliatum* × *palustre*)	Onagr			c					c			c		c			x						x	1996	
Epilobium ×interjectum (=*E. ciliatum* × *montanum*)	Onagr			c					c		c	c		c			x					x	x	1997	
Epilobium ×mentiens (=*E. ciliatum* × *tetragonum*)	Onagr			c		c			c		c						x					x	x	2002	

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Fischer et al. 2008, Hohla et al. 2009, Zernig et al. 2019
esc, sto	con,						Polatschek 1999, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, JACQ 2022
							Fritsch (jun.) 1926, Fischer et al. 2008
esc							Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
sto							Fischer et al. 2008, Pagitz et al. 2023
		x					Hohla & Melzer 2003, Melzer & Barta 2003, Stöhr et al. 2006, Hohla et al. 2009, Melzer unpubl.
con, sto							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, NAGO 2022, Stöhr unpubl.
con, sto							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
sto							Fischer et al. 2008, Hohla et al. 2009, 2019, Pflugbeil & Pilsl 2013
							Hohla 2011a
		x?					Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Pagitz et al. 2023
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Hohla et al. 2015
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009
							Walter et al. 2002, Polatschek & Neuner 2013, Brandes 2015, Hohla 2018b, Gilli et al. 2021
esc							Gilli et al. 2019b, JACQ 2022, Pilsl unpubl.
sto							Hamburger 1948, Fischer et al. 2008
esc		x					Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023
esc							Vogt unpubl.
sto							Melzer 1996a, Melzer & Barta 2005
							Forstner & Hübl 1971, Adler & Mrkvicka 2006, Wallnöfer 2014, Zernig et al. 2019, Pagitz et al. 2023
							Fischer et al. 2008, Wallnöfer 2014
sto							Walter et al. 2002
sto		xx					Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Niklfeld 2015, Amann 2016, Pagitz et al. 2023
sto		x					Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Amann 2016, Gilli et al. 2020
esc							Fischer et al. 2008, Hohla et al. 2009, Niklfeld & Schratt-Ehrendorfer 2022
esc							Forstner & Hübl 1971, Walter et al. 2002
							Hohla & Scholz 2011
							Hohla et al. 2009
esc							Hohla 2014
							Hartl et al. 1992, Hohla et al. 2015, Diran 2016
							Forum Flora Austria 2022, Waldner unpubl.
							Melzer 1987, Walter et al. 2002, Pflugbeil & Pilsl 2013, Hohla unpubl.
							Polatschek 2000, Walter et al. 2002, Polatschek & Neuner 2013
							Hohla et al. 1998, Walter et al. 2002, Pflugbeil & Pilsl 2013, Hohla unpubl.
							Walter et al. 2002, Pflugbeil & Pilsl 2013

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Epilobium ×nutantiflorum (=*E. ciliatum* × *roseum*)	Onagr			c				c	c		c		c	c			x				x	x	1985	
Epilobium ×vicinum (=*E. ciliatum* × *obscurum*)	Onagr			c		c		c	c								x					x	1966	
Epilobium brunnescens	Onagr		x	c					c												x		1963	Aus
Epilobium canum	Onagr		x	c							c										x		2002	NAm
Epilobium ciliatum	Onagr			e	e	e	e	e	e	e	e	e	e	e		x					x	x	1964	NAm
Epimedium ×versicolor	Berbe		x	c							c										x		2014	
Eragrostis albensis	Poace			e		e	e		e	c	e	c	e								x		2001	Asi-Tem, Asi-Tro
Eragrostis cilianensis	Poace			c	c	c	c	c		c			c	?							x	x	1870	Eur, Afr, Asi-Tem, Asi-Tro
Eragrostis curvula	Poace			c			c														x		2002	Afr
Eragrostis frankii	Poace		x	c									c								x		2007	NAm
Eragrostis mexicana	Poace			c				c													x		1958	NAm, SAm
Eragrostis minor	Poace	a	x	e	e	e	e	e	e	e	e	e	e	e				x			x			Eur, Afr, Asi-Tem, Asi-Tro
Eragrostis multicaulis	Poace			e		e	c	e	e	e	e	c	e	e							x		1848	Asi-Tem, Asi-Tro
Eragrostis pectinacea	Poace			c				c					c								x		1949	NAm, SAm
Eragrostis pilosa	Poace		x	e	e	e	e	e	e	e	c	c	c	c				x			x		1847	Eur, Afr, Asi-Tem, Asi-Tro, NAm
Eragrostis planiculmis	Poace		x	c					c												x		2015	Afr
Eragrostis trichodes	Poace			c					c		c										x		1941	NAm
Eragrostis virescens	Poace			c		c	c	c	c													x	1959	NAm, SAm
Eranthis hyemalis	Ranun			le	le	le	le	c	le	c	c	c	c	c							x		1850	Eur, Asi-Tem
Erechtites hieraciifolius	Aster			e	e	e	e	e	e	e	c				x		x				x		1885	NAm, SAm
Erica tetralix	Erica			le				le?	c		le	c	c					x		x			2000	Eur
Erigeron annuus (incl. subsp. *septentrionalis*)	Aster			e	e	e	e	e	e	e	e	e	e	e				x			x		1900	NAm
Erigeron bonariensis s.str.	Aster		x	c			c		c		c		c								x	x	2015	NAm, SAm
Erigeron canadensis	Aster			e	e	e	e	e	e	e	e	e	e	e			x	x			x	x	1762	NAm, SAm
Erigeron karvinskianus	Aster		x	c		c	c		c		c			c							x	x	2004	NAm, SAm
Erigeron philadelphicus	Aster			c				c													x		1947	NAm
Erigeron speciosus	Aster			c		c															x		1923	NAm
Erigeron strigosus	Aster			c	?	?	?	?	?	?			c								x	x	1921	NAm
Erigeron sumatrensis	Aster			e		e?	e	c	c		e?										x		1954	SAm
Eriobotrya japonica	Rosac	c	x	c			c														x		2008	
Eriochloa villosa	Poace		x	c		c																x	2019	Asi-Tem, Asi-Tro
Erodium ciconium	Geran			le		le	le														x		1892	Eur, Afr, Asi-Tem, Asi-Tro
Erodium malacoides	Geran			c				c		?	c										x		1887	Eur, Afr, Asi-Tem, Asi-Tro
Erodium manescavii	Geran		x	c	c		c		c												x		2015	Eur
Erodium moschatum	Geran			c	?			c	?	c	c	c	c	c							x		1960	Eur, Afr, Asi-Tem
Eruca sativa	Brass			c		c	c	c	c	c	c		c	c							x	x	1868	Eur, Afr, Asi-Tem, Asi-Tro

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Melzer 1987, Walter et al. 2002, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Hohla unpubl.
							Melzer 1979, Walter et al. 2002, Kleesadl & Brandstätter 2013
esc, sto							Hohla et al. 2009
esc							Pflugbeil & Pilsl 2013
	xx						Melzer 1979, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Wittmann & Pflugbeil 2017
cor							Hohla 2006a, Hohla et al. 2009, Pagitz 2012, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Niklfeld 2016, Lefnaer 2021
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Pagitz 2012, Amann 2016
							Adler & Mrkvicka 2006
							Pagitz 2012
							Melzer 1959, Englmaier & Wilhalm 2018
							Jacquin 1762, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
cor							Melzer 1959, Fischer et al. 2008, Hohla et al. 2009, Pagitz 2012, Stöhr et al. 2012, Hohla 2013, 2014, Pflugbeil & Pilsl 2013, Zernig et al. 2018
							Fischer et al. 2008, Polatschek & Neuner 2013, Englmaier & Wilhalm 2018
							Fischer et al. 2008, Hohla et al. 2009, Pagitz 2012, Hohla 2014, JACQ 2022
							Hohla et al. 2015
esc							Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Melzer 1959, Fischer et al. 2008, Hohla et al. 2009, Gilli & Niklfeld 2018, Lefnaer unpubl.
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz et al. 2023, Kniely unpubl.
sto							Kornhuber & Heimerl 1885, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Hohla et al. 2009, Polatschek & Neuner 2013, Niklfeld 2016, Wittmann & Pflugbeil 2017, JACQ 2022
cor							Hamburger 1948, Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Polatschek & Neuner 2013
							Hohla et al. 2015, Diran 2016, Gilli et al. 2021, Pagitz et al. 2023
cor							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Stöhr et al. 2007, 2009, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, Forum Flora Austria 2022, Stöhr unpubl.
							Hamburger 1948, Fischer et al. 2008
							Walter et al. 2002
							Hamburger 1948, Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Pagitz & Lechner-Pagitz 2015
							Fischer et al. 2008, Melzer & Barta 2008, Pflugbeil & Pilsl 2013, Gilli & Niklfeld 2018, Kleesadl & Schröck 2022
esc							Vitek et al. 2021
							Follak et al. 2020
esc, cor							Forstner & Hübl 1971, Fischer et al. 2008
esc							Hartl et al. 1992, Walter et al. 2002, Pflugbeil & Pilsl 2013
esc							Gilli & Niklfeld 2018, Hohla 2022
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli et al. 2022
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016

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Erucastrum gallicum	Brass			e	e	e	e	e	e	e	e	e	e	e						x		x	x	1794	Eur
Eryngium giganteum	Apiac			le		le		le	c				c	c			x							1973	Asi-Tem
Erysimum aureum	Brass			le				le														x		1913	Eur, Asi-Tem
Erysimum canum	Brass			c		c	c		x													x		1973	Eur, Asi-Tem
Erysimum cheiri	Brass			le	?	le	c	c	c		c		c	c							x	x		1756	Eur
Erysimum cuspidatum	Brass			le		le																x		1992	Eur, Asi-Tem
Erysimum melicentae	Brass			c		c		c		c	c			c								x	x	2000	Asi-Tem
Erysimum pulchellum	Brass		x	c							c											x		2002	Asi-Tem
Eschscholzia californica	Papav			c	c	c	c	c	c	c	c	c	c									x	x	1935	NAm
Euclidium syriacum	Brass			le?	c	le?	c	c					c									x		1767	Eur, Asi-Tem, Asi-Tro
Eudianthe coeli-rosa	Caryo			c		c	c															x		1960	Eur, Afr
Euonymus alatus	Celas		x	c			c				c	c				x						x		2016	Asi-Tem
Euonymus fortunei	Celas		x	le		le		c	c		le	le?		c?		x	x					x		2002	Asi-Tem, Asi-Tro
Euonymus japonicus	Celas		x	c				c			c			x								x		2008	Asi-Tem
Euphorbia acuminata	Eupho			le?	c	le?	c															x		1903	Eur, Afr, Asi-Tem, Asi-Tro
Euphorbia chamaesyce	Eupho			c		x		c														x		1960	Eur, Afr, Asi-Tem, Asi-Tro
Euphorbia characias	Eupho		x	c		c					c											x		2020	Eur, Asi-Tem
Euphorbia glyptosperma	Eupho			e		e												x				x		1964	NAm
Euphorbia humifusa	Eupho			e	c	le	le	c	e	le	c		c	c								x		1880	Eur, Asi-Tem
Euphorbia lathyris	Eupho			e?	e?	e?	e?	e?	e?	c	e?	c	c	c								x	x	1857	Eur, Asi-Tem, Asi-Tro
Euphorbia maculata	Eupho			e	e	e	e	e	e	e	e	e	e	e								x	x	1960	NAm, SAm
Euphorbia marginata	Eupho			c	c	c	c	c	c	c	c											x	x	1821	NAm
Euphorbia myrsinites	Eupho			le	c	le	c	le	c	c	c	c	c	c								x		1971	Eur, Asi-Tem
Euphorbia nutans	Eupho			c	c	c		c	c	c		c	c									x		1932	NAm, SAm
Euphorbia prostrata	Eupho			e	e	e?	e	c	c	c	e?	c	e	c								x		2002	NAm, SAm
Euphorbia saratoi	Eupho		x	e	e	e	e	e?	e		c	c	c	e?				x				x		1850	Eur, Asi-Tem
Euphorbia segetalis s.str.	Eupho		x	c	x	?	c															x		1960	Eur, Afr, Asi-Tem
Euphorbia serpens	Eupho			c		c	c		c		c			c								x		1992	Pac, NAm, SAm
Euphorbia taurinensis	Eupho			le	le	le	le	c	le?													x		1948	Eur, Asi-Tem
Euthamia graminifolia	Aster			le		c	c		c				c	le								x		1923	NAm
Fagopyrum esculentum	Polyg			c	c	c	c	c	c	c	c	c	c	c								x		1821	Asi-Tem
Fagopyrum tataricum	Polyg			c	c	c	c	c	c	c	c	c		c								x	x	1848	Asi-Tem, Asi-Tro
Fallopia baldschuanica	Polyg		x	le	c	le	le	c	c	c	c	c	c			x						x		1966	Asi-Tem, Asi-Tro
Fallopia baldschuanica × *Reynoutria japonica*	Polyg		x	c							c											x		2002	
Fargesia murielae	Poace		x	c			c					c	c			x								2018	Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
cor							Schultes 1794, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022 Stöhr et al. 2012, Zernig et al. 2018, Gilli et al. 2021, Hohla unpubl. Fischer et al. 2008, Polatschek 2013
esc							Walter et al. 2002, Hohla et al. 2009
esc							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
esc							Melzer & Barta 2008
esc							Walter et al. 2002, Stöhr et al. 2006, Polatschek 2013, Pagitz unpubl.
esc							Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Pagitz unpubl. Crantz 1767, Fischer et al. 2008
esc							Fischer et al. 2008
esc							Gilli et al. 2021
esc							Hohla et al. 2009, Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Leonhartsberger 2018, Stöhr unpubl.
esc							Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Griebl unpubl. Forstner & Hübl 1971, Fischer et al. 2008, Sauberer & Till 2015
esc, sto							Walter et al. 2002, Rozanek unpubl.
esc							Gilli et al. 2021, Forum Flora Austria 2022 Walter et al. 2002 Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, Pagitz et al. unpubl.
esc							Hamburger 1948, Fischer et al. 2008, Hohla 2012b, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Gilli et al. 2021, Till unpubl., Leonhartsberger unpubl., Stöhr unpubl.
sto							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Brandes 2015, Forum Flora Austria 2022, Pachschwöll et al. 2025, Stöhr unpubl.
esc							Adler et al. 2008, Fischer et al. 2008, Till 2011, Pflugbeil & Pilsl 2013, Hohla 2014, 2018b, Stöhr & Brandes 2014, Pagitz & Lechner-Pagitz 2015, Zernig et al. 2018 Niklfeld 2015, Amann 2016, Reichert et al. 2018, Stöhr 2021 Walter et al. 2002, Pachschwöll et al. 2025, Barta unpubl. Hügin & Starlinger 1997, Hohla 2013, Pflugbeil & Pilsl 2013, Diran 2016, Gilli et al. 2019b, Rozanek unpubl. Fischer et al. 2008, Hohla et al. 2009
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Amann 2016
esc, con, sto							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
con, sto							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc, cor							Fischer et al. 2008, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Brandes 2015, Niklfeld & Schratt-Ehrendorfer 2022, Leonhartsberger & Wendelin unpubl.
cor, hyb							Pflugbeil & Pilsl 2013
esc							Forum Flora Austria 2022, Lefnaer unpubl., Pagitz unpubl., Stöhr unpubl.

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Fargesia robusta	Poace		x	c								c				x								2018	Asi-Tem
Ferula communis	Apiac		x	c							c											x		2008	Eur, Afr, Asi-Tem
Ferulago campestris	Apiac			c		c																x		1965	Eur, Afr, Asi-Tem
Festuca arundinacea subsp. *mediterranea*	Poace		x	c					c													x		2007	Eur, Afr, Asi-Tem, Asi-Tro
Festuca arundinacea subsp. *uechtritziana*	Poace			e	c	c	c	c	e	c	c	c	c					x				x		1958	Eur, Afr, Asi-Tem, Asi-Tro
Festuca cinerea	Poace		x	c					c													x		2010	Eur
Festuca danthonii	Poace		x	e	e?	e	e	e	e	e?	e											x		2012	Eur, Afr, Asi-Tem, Asi-Tro
Festuca geniculata	Poace		x	c					c													x		2020	Eur, Afr
Festuca rubra subsp. *litoralis*	Poace		x	c		c	c	c	c													x		2015	Eur, Afr, Asi-Tem, Asi-Tro, NAm
Ficus carica	Morac			c	c	c	c	c	c	c	c	c	c	c								x		1923	Eur, Afr, Asi-Tem, Asi-Tro
Filipendula rubra	Rosac		x	c								c					x							2019	NAm
Flueggea suffruticosa	Phyll		x	c			c															x		2018	Asi-Tem
Foeniculum vulgare	Apiac	a, c		c	c	c	c	c	c	c	c	c	c	c								x		1756	Eur, Afr, Asi-Tem, Asi-Tro
Forsythia ×intermedia	Oleac			le		le	c	c	c		le?	c	c		x	x					x	x		2002	
Forsythia suspensa	Oleac			c		c	c		c		c		c	c		x						x		1965	Asi-Tem
Forsythia viridissima	Oleac			c			c						a?									x		1912	Asi-Tem
Fragaria ×ananassa	Rosac			c	c	c	c	c	c	c	c		c									x		1964	
Fraxinus americana	Oleac		x	c		c	c								x	x						x		1984	NAm
Fraxinus pennsylvanica	Oleac			e	e?	e	e?		c		c	c			x	x						x		1965	NAm
Fritillaria imperialis	Lilia			c		c	c					c					x							2004	Eur, Asi-Tem, Asi-Tro
Froelichia gracilis	Amara		x	c			c															x		1996	NAm
Fumaria capreolata	Papav			c				c	c				c				x					x		1908	Eur, Afr, Asi-Tem
Fumaria parviflora s.str.	Papav		x	c					c		x											x		1871	Eur, Afr, Asi-Tem
Gaillardia ×grandiflora	Aster			c	c	c	c			c	c	c										x		1966	
Gaillardia aristata	Aster			c		?	c															x		1966	NAm
Galanthus elwesii	Amary			le		le	le		c			c			x	x						x		2002	Eur, Asi-Tem
Galanthus plicatus	Amary		x	c					c													x		2021	Eur, Asi-Tem
Galanthus woronowii	Amary		x	c		c	c	c				c				x						x		2013	Asi-Tem
Galega orientalis	Fabac			c									c									x		1960	Asi-Tem
Galeobdolon argentatum	Lamia			e	e	e	le	e	e	e	e	e	e	c	x	x	x			x		x		1977	Eur
Galinsoga parviflora	Aster			e	e	e	e	e	e	e	e	e	e	e								x	x	1810	NAm, SAm
Galinsoga quadriradiata	Aster			e	e	e	e	e	e	e	e	e	e	e								x	x	1900	NAm
Galium verrucosum	Rubia			c				c	x													x		1954	Eur, Afr, Asi-Tem
Gastridium ventricosum	Poace			c				c														x		1954	Eur, Afr, Asi-Tem
Gaudinia fragilis	Poace			c				c														x		1954	Eur, Afr, Asi-Tem
Gazania ×hybrida	Aster			c					c													x		2003	
Geranium ×cantabrigiense	Geran		x	c					c													x		2008	
Geranium ×magnificum	Geran			c					c		c											x		2002	
Geranium ×oxonianum	Geran		x	c					c													x		2012	
Geranium aequale	Geran			c	c	c	c											x				x		1999	Eur

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Stöhr unpubl.
							Pflugbeil & Pilsl 2013
							Fischer et al. 2008
rel, esc							Hohla 2011a
rel, esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Hohla 2021
							Wittmann & Pflugbeil 2017, Gilli & Niklfeld 2018, Reich et al. 2018, Gilli et al. 2019b, Hohla et al. 2019, Vogt unpubl.
							Hohla 2021
esc							Gilli & Niklfeld 2018, Zernig et al. 2018, Hohla 2021, Englmaier unpubl.
esc							Walter et al. 2002, Hartl 2007, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Forum Flora Austria 2022, Pachschwöll et al. 2025, Stöhr unpubl.
esc							Forum Flora Austria 2022, Stöhr unpubl.
							Gilli et al. 2019b
esc							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, 2015, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Stöhr unpubl.
esc, sto							Essl 2008, Hohla et al. 2009, Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Pagitz et al. 2023, Essl unpubl., Hofbauer unpubl.
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016, Pagitz et al. 2023
esc							Walter et al. 2002, Pagitz unpubl.
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
rel, esc							Adler & Mrkvicka 2003a, Niklfeld & Schratt-Ehrendorfer 2022, Leopoldinger unpubl.
rel, esc	xx						Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023, Pachschwöll et al. 2025
esc							Stöhr et al. 2012, Pagitz et al. 2023, Barta unpubl.
							Gilli et al. 2019b
							Walter et al. 2002, Hohla et al. 2009, Pagitz et al. 2023
							Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, Pagitz et al. 2023
							Walter et al. 2002
esc							Melzer & Barta 2002, Fischer et al. 2008, Hohla 2014, Pagitz et al. 2023
esc							ZoBoDat 2022, Hohla unpubl.
esc							Gilli & Niklfeld 2018, Forum Flora Austria 2022, Griebl unpubl., Stöhr unpubl.
esc							Walter et al. 2002
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz et al. unpubl.
		x					Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
		x					Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Walter et al. 2002, Hohla et al. 2009
							Walter et al. 2002
							Walter et al. 2002
esc							Hohla 2006c, 2022, Hohla et al. 2009
esc							Hohla 2012b
esc							Hohla 2006c, Hohla et al. 2009, JACQ 2022
esc							Hohla 2012b
esc							Melzer & Barta 2000, Barta 2010, Pachschwöll et al. 2025

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Geranium bohemicum	Geran			c		x					x	c										x		1960	Eur, Asi-Tem
Geranium endressii	Geran			c					c		c		c	c								x		1998	Eur
Geranium macrostylum	Geran			c			c															x		2006	Eur, Asi-Tem
Geranium platypetalum	Geran			c				c														x		1979	Asi-Tem
Geranium purpureum	Geran			e	e	e	e	e	e	c	e	c	e	c								x		1990	Asi-Tem
Geranium pyrenaicum	Geran			e	e	e	e	e	e	e	e	e	e	e		x	x	x				x		1845	Eur, Afr, Asi-Tem
Geranium sibiricum	Geran			e	e	e	e	e	e	e	e?	e	e	c								x		1874	Eur, Asi-Tem, Asi-Tro
Geranium versicolor	Geran			c							c						x							2005	Eur
Geum coccineum	Rosac			c							c	c	c	c								x		2000	Eur, Asi-Tem
Geum vernum	Rosac			c				c														x		1954	NAm
Gilia achilleifolia	Polem		x	c										c								x		2014	NAm
Gilia capitata	Polem		x	c			c					c										x		1988	NAm
Gladiolus ×hortulanus	Irida		x	c			c	x	c	x	c											x		1835	
Glaucium flavum	Papav			c	c	c	c	c	c		x		c	c								x		1601	Eur, Afr, Asi-Tem
Glebionis coronaria	Aster			c		c	c	c	c	c		c	c	c								x		1912	Eur, Afr, Asi-Tem, Asi-Tro
Glebionis segetum	Aster	a		c		c	c	c	c	c	c	c	c	c								x			Eur, Afr, Asi-Tem
Gleditsia triacanthos	Fabac			c	c	c	c	c			c	c				x	x					x		1960	NAm
Glyceria grandis	Poace		x	c				c	c		c	c						x						2001	NAm
Glyceria maxima subsp. *micrantha*	Poace		x	c							c								x					2003	Eur, Asi-Tem
Glyceria striata subsp. *difformis*	Poace		x	le?				c	le?		c							x	x					1996	NAm, SAm
Glyceria striata subsp. *striata*	Poace		x	e				c	c	e	e	c	e	le				x	x					1966	NAm, SAm
Glycine max	Fabac			c					c			c										x		2005	Asi-Tem
Glycyrrhiza glabra	Fabac			c		c																x		2001	Eur, Afr, Asi-Tem, Asi-Tro
Gomphocarpus fruticosus	Apocy			c		c																x		2002	Afr, Asi-Tem
Grindelia squarrosa	Aster			c				c		c												x		1954	NAm
Guizotia abyssinica	Aster			c	c	c	c	c	c	c	c	c	c	c								x		1926	Afr
Gymnocladus dioicus	Fabac			c			c															x		1971	NAm
Gypsophila elegans	Caryo			c	c	c	c	c				c										x		1960	Eur, Asi-Tem
Gypsophila scorzonerifolia	Caryo			le	c	c	le	c														x		1889	Eur, Asi-Tem
Halimodendron halodendron	Fabac			c			c									x						x		2004	Eur, Asi-Tem, Asi-Tro
Hedera colchica	Arali		x	le				le								x								2021	Asi-Tem
Hedera crebrescens	Arali		x	le?			le?									x								2021	Eur
Hedera hibernica	Arali		x	le?		le?	le?									x								2021	Eur
Helenium autumnale s.lat.	Aster			c			c	c	c		c			c								x		1997	NAm
Helianthemum apenninum	Cista		x	le				le													x			2020	Eur, Afr
Helianthus ×laetiflorus	Aster			e	c	c	c	c	c	c		c	e	c								x		1960	
Helianthus ×multiflorus	Aster			c								c	c									x		1997	
Helianthus annuus	Aster			c	c	c	c	c	c	c	c	c	c	c								x	x	1859	NAm
Helianthus annuus × *H. debilis* subsp. *cucumerifolius*	Aster			c			c															x	x	1971	

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013
esc							Dörr & Lippert 2004, Amann 2016, Griebl 2020, Forum Flora Austria 2022, ZoBoDat 2022, Pflugbeil unpubl., Pilsl unpubl., Stöhr unpubl.
esc							Melzer & Barta 2008, Barta 2012
esc							Melzer 1980, Walter et al. 2002
esc, cor							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Amann 2016
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, JACQ 2022
esc							Fischer et al. 2008, Brandes 2010, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, JACQ 2022, Pagitz et al. 2023
esc							Stöhr et al. 2007, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Amann 2016, Wittmann & Pflugbeil 2017, Stöhr unpubl.
							Walter et al. 2002
							Amann 2016
							Wallnöfer et al. 2015, Forum Flora Austria 2022
esc							Fritsch (jun.) 1930, Hartl et al. 1992, Adler & Mrkvicka 2003a, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Clusius et al. 1601, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
							Walter et al. 2002, Fischer et al. 2008, Hohla 2011a, Pagitz & Lechner-Pagitz 2015
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla 2011a, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Pachschwöll et al. 2025, Stöhr unpubl.
							Hohla 2012a, Pflugbeil & Pilsl 2013, Englmaier & Wilhalm 2018, Gilli et al. 2019b, Pagitz et al. 2023
							Pflugbeil & Pilsl 2013
							Hohla 2018a
							Melzer 1966, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Zernig et al. 2016, Pagitz et al. 2023
esc							Hohla 2006b, Pagitz et al. 2023
esc							Walter et al. 2002
							Walter et al. 2002
							Hartl et al. 1992, Walter et al. 2002
sto							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld 2016
							Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2019, Vitek et al. 2021, Forum Flora Austria 2022, Stöhr unpubl.
							Forstner & Hübl 1971, Fischer et al. 2008, Melzer & Barta 2008
esc							Adler & Mrkvicka 2006
esc							Zernig et al. 2022
esc							Vitek et al. 2021
esc							Vitek et al. 2021
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, ZoBoDat 2022, Hohla unpubl.
esc							Leonhartsberger unpubl.
esc							Polatschek 1997, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023
esc							Polatschek 1997, Pagitz et al. 2023
esc, sto		x?					Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009
esc							Walter et al. 2002

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Helianthus debilis subsp. *cucumerifolius*	Aster			c			c		c	c			c	c								x		1909	NAm
Helianthus decapetalus	Aster			c	c		c	c		c					x							x		1954	NAm
Helianthus giganteus	Aster		x	c							c											x	x	2017	NAm
Helianthus microcephalus-*hybrids*	Aster		x	c					c													x	x	2009	
Helianthus mollis	Aster			c					c													x	x	2003	NAm
Helianthus pauciflorus	Aster			le?	c	c	c	c	le?	c		c		c								x		1960	NAm
Helianthus petiolaris	Aster			c				c		?												x	x	1960	NAm
Helianthus salicifolius	Aster		x	c		c																x	x	2021	NAm
Helianthus tuberosus	Aster			e	e	e	e	e	e	e	e	e	e	e			x					x		1947	NAm
Helichrysum petiolare	Aster		x	c					c		c											x		2007	Afr
Heliopsis helianthoides subsp. *scabra*	Aster		x	c					c		c	c	c	c								x		1995	NAm
Helleborus ×hybridus	Ranun			le		le	le	c	c		c	c	c	c	x	x						x		1994	
Helleborus argutifolius	Ranun		x	c		c									x	x						x		2009	Eur
Helleborus foetidus	Ranun			le		le	le	c	c	c	c			c	x	x								1879	Eur, Afr
Helleborus viridis subsp. *occidentalis*	Ranun		x	c					c			c			x	x								1860	Eur
Helminthotheca echioides	Aster			e	e	e	e	c	c		c		le		x	x	x					x	x	1842	Eur, Afr, Asi-Tem
Hemerocallis fulva	Aspho			e	e	e	c	e	e	e	e	e	e	c	x	x					x	x		1797	Asi-Tem, Asi-Tro
Heracleum mantegazzianum[EU]	Apiac			e	c	le	c	e	le	le	c	c	e	e			x	x		x		x		1950	Asi-Tem
Heracleum mantegazzianum × *H. sphondylium*	Apiac		x	c					c											x		x		2017	
Heracleum pubescens	Apiac			c				c														x		1947	Eur
Hesperis matronalis subsp. *matronalis*	Brass			e	e	e	c	e	e	e	e	c	e	c	x	x	x					x		1804	Eur, Asi-Tem
Heteranthera zosterifolia	Ponte			c						c									x					1983	SAm
Heuchera micrantha	Saxif		x	c					c													x		2019	NAm
Heuchera sanguinea	Saxif			c						c												x		1992	NAm
Hibiscus syriacus	Malva			c	c	c	c	c	c		c		c									x		2002	Asi-Tem
Hieracium peleterianum	Aster		x	c		c																x		1829	Eur
Hippophae rhamnoides subsp. *rhamnoides*	Elaea		x	e?	e?	e?	e?	e?	e	e?	e?		c	e?		x						x		1950	Eur
Hirschfeldia incana	Brass			c	c	c	c	c	c	c	c	c	c	c								x		1954	Eur, Afr, Asi-Tem
Honorius boucheanus × *H. nutans* s.str.	Aspar		x	c				c														x		1975	
Hordeum distichon	Poace	c		c		c	c	c	c	c	c	c	c	c								x	x		
Hordeum jubatum	Poace			e	e	c		c	c	c	e	c	e	c								x		1932	Asi-Tem, NAm
Hordeum leporinum	Poace			c				c			c											x	x	1989	Eur, Afr, Asi-Tem
Hordeum marinum s.str.	Poace			c				c		c												x	x	1843	Eur, Afr, Asi-Tem, Asi-Tro
Hordeum secalinum	Poace			c					?		c		c									x	x	2001	Eur, Afr, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Murr 1923, Walter et al. 2002, Amann 2016, Hohla et al. 2019
esc							Walter et al. 2002, Adler & Mrkvicka 2006, Pflugbeil 2020
esc							Pflugbeil unpubl.
esc							Hohla 2009
esc							Hohla 2006c, Hohla et al. 2009
esc							Walter et al. 2002, Hohla 2006c, Fischer et al. 2008, Brandes 2015, Amann 2016, Forum Flora Austria 2022, Stöhr unpubl.
esc							Fischer et al. 2008
esc							Forum Flora Austria 2022, Lefnaer unpubl.
esc	xx		x?				Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							JACQ 2022, Pachschwöll et al. 2025
esc							Hohla et al. 2009, Pflugbeil & Pilsl 2013, Hohla 2014, Pagitz et al. 2023
esc							Fischer et al. 2008, Kleesadl 2009, Melzer & Ocepek 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Thalinger unpubl.
esc							Gilli et al. 2020
esc							Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Hohla 2014, Amann 2016, Stöhr unpubl.
esc							Hohla 2006b, Forum Flora Austria 2022, Stöhr unpubl.
sto							Dolliner 1842, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. unpubl.
esc							Host 1797, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015
esc	x				x		Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. unpubl.
esc							Hohla 2018a
esc							Hamburger 1948, Walter et al. 2002
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
sto							Hartl et al. 1992, Walter et al. 2002
esc							Hohla et al. 2019
esc							Walter et al. 2002
esc							Hohla et al. 2009, Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Pachschwöll et al. 2025 Niklfeld 2016
esc							Hohla et al. 2009, Pagitz et al. 2023
sto							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil et al. 2017
esc							Melzer 1975
esc							Neilreich 1859, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
cor							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Brandes & Stöhr unpubl.
							Fischer et al. 2008, Pflugbeil & Pilsl 2013
							Adler & Mrkvicka 2003b, Fischer et al. 2008
							Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Hordeum vulgare	Poace	c		c	c	c	c	c	c	c	c	c	c	c								x	x		
Hosta ×fortunei	Aspar		x	c					c			c			x							x		2002	
Hosta lancifolia	Aspar			c	c				c							x					x			1998	Asi-Tem
Hosta plantaginea	Aspar			c			c							c								x		1971	Asi-Tem
Houttuynia cordata	Sauru			c		c			c	a	c											x		2004	Asi-Tem, Asi-Tro
Humulus japonicus[EU]	Canna			c				c	c	c			c	c			x					x		1931	Asi-Tem, Asi-Tro
Hyacinthoides ×massartiana	Aspar		x	c					c		c		c									x		2009	
Hyacinthoides hispanica	Aspar		x	c							c											x		2009	Eur
Hyacinthoides italica	Aspar			le		le	?				c											x		1862	Eur
Hyacinthoides non-scripta	Aspar			c			c		c		c			c		x								1960	Eur
Hyacinthus orientalis	Aspar			le	le	c			c		c	c						x				x		1958	Asi-Tem
Hydrangea anomala subsp. *petiolaris*	Hydra		x	c							c											x		2002	Asi-Tem
Hydrangea arborescens	Hydra			c										c								x		2000	NAm
Hydrangea macrophylla	Hydra			c		c	c		c	c	c	c	c									x		1971	Asi-Tem
Hydrangea paniculata	Hydra		x	c				c														x		2019	Asi-Tem
Hydrangea sargentiana	Hydra		x	c		c					c					x						x		2020	Asi-Tem
Hydrilla verticillata	Hydro			c			c			c									x					1968	Eur, Afr, Asi-Tem, Asi-Tro, Aus
Hygrophila polysperma	Acant			le						le									x					1968	Asi-Tem, Asi-Tro
Hylotelephium ewersii	Crass		x	c								c										x		2015	Asi-Tem, Asi-Tro
Hylotelephium sieboldii	Crass			c			c		c		c			c								x		1960	Asi-Tem
Hylotelephium spectabile	Crass			c		c	c	c	c		c											x		1971	Asi-Tem
Hylotelephium spectabile × *H. telephium* s.str.	Crass		x	c		c			c			c	c									x		2019	
Hyoscyamus albus	Solan			c		c	c			c												x		1895	Eur, Afr, Asi-Tem
Hypericum androsaemum	Hyper			c			c	?	c		c											x		1868	Eur, Afr, Asi-Tem
Hypericum calycinum	Hyper			c		c	c			c												x		1992	Eur, Asi-Tem
Hypericum densiflorum	Hyper		x	c					c													x		2010	NAm
Hypericum kouytchense	Hyper		x	c							c											x		2008	Asi-Tem
Hypericum olympicum	Hyper		x	le				le													x	x		2013	Eur, Asi-Tem
Hyssopus officinalis	Lamia			le	le	c	c	c	c	c	c	c	c									x		1859	Eur, Afr, Asi-Tem
Iberis amara	Brass			c	c	c	c	c	c	c	c	c	c	c								x		1859	Eur
Iberis pinnata	Brass			e		e	c	c										x				x		1859	Eur
Iberis sempervirens	Brass			c	c	c	c		c		c	c										x		1987	Eur, Afr, Asi-Tem
Iberis umbellata	Brass			le	c	c	c	c	c	c	le	c	c	c								x	x	1859	Eur
Ibicella lutea	Marty		x	c		c																x		2022	SAm
Ilex ×altaclerensis	Aquif		x	c							c											x		2020	
Impatiens balfourii	Balsa			c	c	c	c				c											x	x	1971	Asi-Tro
Impatiens balSAmina	Balsa			c	c		c	c	c		c	c	c									x		1971	Asi-Tro
Impatiens cristata	Balsa		x	c					c				c									x		1925	Asi-Tro
Impatiens glandulifera[EU]	Balsa			e	e	e	e	e	e	e	e	e	e	e	x	x	x	x		x		x		1898	Asi-Tro
Impatiens parviflora	Balsa			e	e	e	e	e	e	e	e	e	e	e	x	x	x					x		1930	Asi-Tem
Impatiens walleriana	Balsa		x	c							c											x		2003	Afr
Inula helenium	Aster			le?	c	le?	c	le?	c	le?	c	c	c	c			x	x				x		1859	Eur, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc, sto							Neilreich 1859, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016
esc							Melzer & Barta 2003, Kleesadl 2009, Pagitz et al. 2023
esc							Hohla et al. 2009, Kniely unpubl.
esc							Walter et al. 2002, Amann 2016
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Moosbrugger 2016, Hohla 2018b
esc							Fischer et al. 2008, Hohla et al. 2009, Polatschek & Neuner 2013
esc							Hohla 2012b, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013, Gilli et al. 2020
esc							Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Amann 2016, Adler unpubl.
esc							Traxler 1958, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Sauberer & Till 2015, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Amann 2016
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Follak et al. 2020, Stöhr unpubl.
esc							Griebl 2020, Forum Flora Austria 2022, Griebl unpubl.
							Forum Flora Austria 2022, Observation International 2022, Lampl unpubl., ReitSAmer unpubl.
sto							Hartl et al. 1992, Walter et al. 2002, Pall et al. 2013
sto							Hartl et al. 1992, Walter et al. 2002
esc							Brandes 2015
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013, Amann 2016, Hohla 2018b
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Sauberer et al. 2020, Forum Flora Austria 2022, Hohla unpubl., Stöhr unpubl.
							Forstner & Hübl 1971, Walter et al. 2002
							Maly 1868, Stöhr et al. 2007, Pflugbeil & Pilsl 2013, Essl unpubl.
							Hartl et al. 1992, Gilli & Niklfeld 2018, Prinz unpubl.
							Hohla 2014
							Pflugbeil & Pilsl 2013
							Leonhartsberger unpubl.
esc							Walter et al. 2002, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Neilreich 1859, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Neilreich 1859, Adler & Mrkvicka 2003b, Fischer et al. 2008
esc							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Neilreich 1859, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Pachschwöll et al. 2025
esc							JACQ 2022, Pilsl unpubl.
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Hohla et al. 2009, Pagitz & Lechner-Pagitz 2015
esc, cor	xx						Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc	x						Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Pflugbeil & Pilsl 2013
esc							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013

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Inula magnifica	Aster		x	c		c					c											x		2019	Eur, Asi-Tem
Inula racemosa	Aster		x	c					c													x		2009	Asi-Tem, Asi-Tro
Ionopsidium acaule	Brass			c			c						c									x		1897	Eur
Ipheion uniflorum	Amary		x	c							c											x		2009	SAm
Ipomoea coccinea	Convo			c			c															x		1971	SAm
Ipomoea hederacea	Convo			c			c	c		c												x		1954	Afr, NAm, SAm
Ipomoea purpurea	Convo			c	c	c	c	c	c	c	c	c	c									x		1926	NAm, SAm
Ipomoea tricolor	Convo			c									c									x		2004	NAm, SAm
Iris germanica s.str.	Irida			e	e	e	c	c	c	c	e	c	c	c				x				x		1859	Eur, Asi-Tem
Iris pallida	Irida			c		c	c		c													x		1971	Eur
Iris reticulata	Irida		x	c								c										x		2021	Asi-Tem
Iris SAmbucina s.str.	Irida			le	le?	c	c	c	le			c		c				x				x		1878	
Iris sanguinea	Irida		x	c		c			c		c							x						2007	Asi-Tem
Iris sanguinea × *I. sibirica*	Irida			c		c												x						1989	
Jasminum nudiflorum	Oleac		x	c		c			c		c	c										x		2002	Asi-Tem
Juglans cinerea	Jugla		x	c							c											x		2014	NAm
Juglans nigra	Jugla			e	c	e	c	c	c	c	c				x									1971	NAm
Juglans regia	Jugla		x	e	e	e	e	e	e	e	e	e	e	e	x	x	x					x		1800	Eur, Asi-Tem, Asi-Tro
Juncus dudleyi	Junca			le										le				x						1962	NAm
Juncus ensifolius	Junca			le				c	c	le	le		c	c				x						1989	Asi-Tem, NAm
Juncus tenuis subsp. *dichotomus*	Junca		x	c					c													x		2013	NAm, SAm
Juncus tenuis subsp. *tenuis*	Junca		x	e	e	e	e	e	e	e	e	e	e	e			x					x		1893	NAm, SAm
Juniperus ×*pfitzeriana*	Cupre		x	c			c															x		2010	Asi-Tem
Juniperus chinensis	Cupre		x	c								c										x		2018	Asi-Tem, Asi-Tro
Juniperus excelsa	Cupre		x	c								c										x		2020	Eur, Asi-Tem
Kalmia angustifolia	Erica			le					le											x				1966	NAm
Kerria japonica	Rosac			c	c	c	c	c	c		c	c	c	c		x						x		1911	Asi-Tem
Kitaibela vitifolia	Malva			c	c		c	c														x		1948	Eur
Klasea quinquefolia	Aster			le			le									x								1880	Asi-Tem
Klasea radiata	Aster		x	c		c																x		1822	Eur, Asi-Tem
Knautia macedonica	Capri		x	c			c		c		c											x		2018	Eur
Koelreuteria paniculata	Sapin			c		c	c	c	c				c			x						x		1948	Asi-Tem
Koenigia polystachya[EU]	Polyg			e		le		c	e	c	c		le	c		x				x				1923	Asi-Tem, Asi-Tro
Koenigia weyrichii	Polyg		x	c					c													x		2019	Asi-Tem
Kolkwitzia amabilis	Capri		x	c		c	c		c			c	c									x		2005	Asi-Tem
Laburnum ×*watereri*	Fabac		x	c			f				c											x		2003	
Laburnum anagyroides	Fabac			e	e	e	e	e	c	le	le	c	e		x	x					x	x		1756	Eur
Lactuca sativa	Aster	c		c		c	c	c	c	c	c	c	c	c								x			
Lactuca tatarica	Aster			le?		le?					c											x		1990	Eur, Asi-Tem
Lagarosiphon major[EU]	Hydro			c			c?			a	c								x					1938	Afr

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Forum Flora Austria 2022, Griebl unpubl., Pflugbeil unpubl.
							Hohla 2011b
							Walter et al. 2002, Pagitz et al. 2023
							JACQ 2022, Pilsl unpubl.
esc							Walter et al. 2002
esc							Walter et al. 2002
esc, sto							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, NAGO 2022, Stöhr unpubl.
esc							Pagitz & Lechner Pagitz 2005
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Stöhr unpubl.
esc							Walter et al. 2002, Kleesadl 2009
esc							Forum Flora Austria 2022, Stöhr unpubl.
esc							Hamburger 1948, Fischer et al. 2008, Kleesadl 2009, Pagitz et al. 2023
esc							Kleesadl 2011, Gilli et al. 2020, Gilli et al. 2021
esc							Walter et al. 2002
esc							Essl 2008, Pflugbeil & Pilsl 2013, Hohla 2022, Pagitz et al. 2023
rel, esc							Pflugbeil & Moosbrugger 2016
rel, esc							Forstner & Hübl 1971, Walter et al. 2002, Essl 2008, Hohla et al. 2009, Gilli et al. 2021, Wallnöfer et al. unpubl.
rel, esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. unpubl., Stöhr unpubl.
							Amann 2016
							Hohla et al. 2009, Polatschek & Neuner 2013, Zernig et al. 2015, Gilli & Niklfeld 2018, Gilli et al. 2021
							Kleesadl 2017, Hohla 2018b
							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Vitek et al. 2021
esc							Stöhr unpubl.
esc							Stöhr unpubl.
esc							Hohla et al. 2009
esc							Hohla et al. 2009, Stöhr 2011, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016, Leonhartsberger 2018, Follak et al. 2020, Pachschwöll et al. 2025
esc							Hamburger 1948, Fischer et al. 2008
							Forstner & Hübl 1971, Adler & Mrkvicka 2003a
							Neilreich 1852, 1859, Wagenitz 1979
							Hohla 2021, Vitek et al. 2021, JACQ 2022, Pilsl unpubl.
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2019, Pagitz et al. 2023
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Essl unpubl., Pagitz et al. unpubl.
esc							Hohla et al. 2019
esc							Stöhr et al. 2007, Hohla et al. 2009, Stöhr et al. 2009, Pagitz & Lechner-Pagitz 2015, Pachschwöll et al. 2025, Stöhr unpubl.
esc							Adler & Mrkvicka 2003a, Pflugbeil & Pilsl 2013
esc							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Brandes 2015, Pagitz et al. 2023
esc, con, sto							Neilreich 1859, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
							Melzer & Barta 1997, JACQ 2022
							Hartl et al. 1992, Walter et al. 2002, Fischer et al. 2008, Pall et al. 2013

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Lagurus ovatus	Poace			c			c	c		c			c	c								x		1960	Eur, Afr, Asi-Tem
Lamprocapnos spectabilis	Papav		x	c		c		c	c		c	c	c	c								x	x	2004	Asi-Tem
Lantana camara	Verbe		x	c							c											x		2003	NAm, SAm
Lappula patula	Borag			c		c																x		1912	Eur, Afr, Asi-Tem
Lapsana communis subsp. *adenophora*	Aster			c								c										x		1982	Eur, Asi-Tem
Lapsana communis subsp. *intermedia*	Aster			c		?	?							c								x		1923	Eur, Asi-Tem
Laser archangelica	Apiac			le					le								x							1960	Eur
Lathyrus annuus	Fabac			c		c																x		1966	Eur, Afr, Asi-Tem
Lathyrus cicera	Fabac			c				c														x		1954	Eur, Afr, Asi-Tem, Asi-Tro
Lathyrus odoratus	Fabac			c			c	c	c	c	c											x		1859	Eur
Lathyrus sativus	Fabac	c		c	c	e	c	c	c	c	x		c	c								x			
Lathyrus sphaericus	Fabac			c	x	c												x						1969	Eur, Afr, Asi-Tem, Asi-Tro
Laurus nobilis	Laura			c										c								x		2000	Eur, Afr, Asi-Tem
Lavandula angustifolia	Lamia			c	?	c	c	c	c		c	c	c	c								x		1892	Eur
Legousia hybrida	Campa			c		c				c		c											x	1960	Eur, Afr, Asi-Tem
Lemna minuta	Arace			e	e	e?	c		e										x					2003	Eur, Asi-Tem, NAm, SAm
Lemna turionifera	Arace			le		le?	le?		le		le?			?					x					1993	Eur, Asi-Tem, Asi-Tro, NAm
Leonurus cardiaca subsp. *villosus*	Lamia			e	c	e	e	c	e?	c	c	c	c	c			x					x		1960	Eur, Asi-Tem
Lepidium densiflorum	Brass			e	e	e	e	e	e	e	e	le	e	le								x		1933	NAm
Lepidium didymum	Brass		x	e		e?	e?	c	c		c	c	e	c								x		1909	SAm
Lepidium graminifolium	Brass			c		c	c						c									x		1865	Eur, Afr, Asi-Tem
Lepidium heterophyllum	Brass			c	c			?		c	c											x		1936	Eur
Lepidium neglectum	Brass		x	c	c	c	c	c	c		c		c	c								x		1906	NAm
Lepidium sativum	Brass			c	c	c	c	c	c	c	c	c	c	c								x		1756	Afr, Asi-Tem, Asi-Tro
Lepidium texanum	Brass			c									c									x		1898	Eur, Asi-Tem
Lepidium virginicum	Brass			e	c	e	le	e	e	le	e	c	e	e								x		1887	NAm, SAm
Lepyrodiclis holosteoides	Caryo			c				c	c													x		1985	Asi-Tem, Asi-Tro
Leucanthemella serotina	Aster			c					c				c	c								x		1971	Eur
Leucanthemum ×superbum	Aster		x	c		c	c		c		c											x		2003	
Levisticum officinale	Apiac			c	?	c	c	c	c		c		c	c								x		1909	Asi-Tem
Leymus arenarius	Poace		x	c		c		c	c													x		1997	Eur
Liatris pilosa	Aster		x	c									c									x		2008	NAm
Liatris spicata	Aster		x	c			c		c		c	c	c									x		2005	NAm
Ligularia dentata	Aster			le		c	le					c						x				x		1960	Asi-Tem, Asi-Tro
Ligularia fischeri	Aster			c							c											x		2005	Asi-Tem, Asi-Tro
Ligularia przewalskii	Aster			c						c	c	c										x		1997	Asi-Tem
Ligustrum obtusifolium	Oleac		x	c			c															x		1970	Asi-Tem
Ligustrum ovalifolium	Oleac			c			c		c		c	c										x		1960	Asi-Tem
Lilium candidum	Lilia			c		c	c		c													x		1844	Eur, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Walter et al. 2002, Amann 2016, Pagitz unpubl.
esc, sto							Hohla 2006c, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Leonhartsberger 2018, Forum Flora Austria 2022, Griebl unpubl., Stöhr unpubl.
esc							Pflugbeil & Pilsl 2013
							Walter et al. 2002
							Polatschek 1999, Walter et al. 2002
							Murr 1923, Adler & Mrkvicka 2003a, Fischer et al. 2008, Amann 2016
							Hohla et al. 2009
							Walter et al. 2002
							Walter et al. 2002
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Kleesadl & Schröck 2022
							Neilreich 1859, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
con, sto							Melzer & Barta 2005, Fischer & Niklfeld 2011
esc							Fischer et al. 2008
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Hohla 2014, Brandes 2015, Leonhartsberger 2018, Pagitz et al. 2023
esc							Fischer et al. 2008, Pagitz et al. 2023
sto							Hohla et al. 2009, 2015, Gilli unpubl., Hofbauer unpubl., Schratt-Ehrendorfer unpubl.
sto							Fischer et al. 2008, Hohla 2012b, Amann 2016, Diran 2016, Stöhr unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
cor							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Fischer et al. 2008, Hohla et al. 2009, Hohla 2013, 2014, Pagitz et al. 2023, Pagitz et al. unpubl.
							Adler & Mrkvicka 2003a, Fischer et al. 2008
							Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013
							Murr 1923, Fischer et al. 2008, Hohla et al. 2009, Wittmann & Pflugbeil 2017, Gilli & Raabe unpubl.
							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Dalla Torre von Thunberg-Sternhof & Sarnthein 1909, Walter et al. 2002
cor							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
							Melzer 1987, Walter et al. 2002, Hohla et al. 2009
esc							Polatschek 1997, Hohla 2009, Amann 2016
esc							Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Gilli unpubl.
							Hohla et al. 2009, Zernig et al. 2022, Sauberer unpubl.
							Polatschek & Neuner 2013
							Melzer & Barta 2008, Niklfeld 2015, Hohla et al. 2019, Forum Flora Austria 2022, Pagitz et al. 2023, Stöhr unpubl.
esc							Forstner & Hübl 1971, Fischer et al. 2008, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Wittmann & Pflugbeil 2017
							Forstner & Hübl 1971, Adler & Mrkvicka 2003a
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil et al. 2017, Pagitz et al. 2023
esc							Adler & Mrkvicka 2003a, Hohla et al. 2009, Prinz unpubl.

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Lilium lancifolium	Lilia			c		c		c		c		c										x		1960	Asi-Tem
Limnanthes douglasii	Limna			c					c													x		2002	NAm
Limonium gmelini	Plumb		x	c		c		c	c													x		2015	Eur, Asi-Tem
Limonium sinuatum	Plumb			c	c			c														x		1963	Eur, Afr, Asi-Tem
Linaria angustissima	Plant			c		c	c						c									x		1845	Eur
Linaria angustissima × *L. vulgaris* s.str.	Plant			c									c									x		1923	
Linaria bipartita s.lat.	Plant		x	c	c		c	c	c	c		c	c									x		1973	Eur, Afr
Linaria caesia	Plant			e				c	e	c												x		1946	Eur
Linaria dalmatica	Plant			e					c				e									x		1955	Eur, Asi-Tem
Linaria purpurea	Plant			c		c			c		c		c	c								x		1912	Eur
Linaria repens	Plant			le		c		c	le	c	c	c	c	c								x		1958	Eur
Linaria supina agg. × *L. vulgaris* s.str.	Plant		x	c							c											x		2006	
Linaria supina s.lat. (incl. *L. caesia*)	Plant		x	e				c	e	c	c											x		1946	Eur
Linaria supina s.str.	Plant		x	c					c													x		2017	Eur
Lindernia dubia	Linde		x	le	le	c			c													x		2013	NAm, SAm
Linum grandiflorum	Linac			c	c	c	c	c			c	c										x		1960	Afr
Linum usitatissimum	Linac	a		c	c	c	c	c	c	c	c	c	c	c								x	x		Asi-Tem
Liriodendron tulipifera	Magno			c			c	c			c											x		2002	NAm
Lobelia erinus	Campa			c		c	c	c	c	c	c	c	c	c								x		1927	Afr
Lobelia inflata	Campa			c		c		c					c									x		1927	NAm
Lobelia siphilitica	Campa			c					c				c	c								x		1960	NAm
Lobularia maritima	Brass			c	c	c	c	c	c	c	c	c	c	c								x	x	1797	Eur, Afr, Asi-Tem
Lolium ×*boucheanum*	Poace		x	c	c	c	c	c	c	c	c	c	c	c				x				x		1900	
Lolium loliaceum	Poace			c				c				c	c									x		1948	Eur, Afr, Asi-Tem, Asi-Tro
Lolium multiflorum	Poace			e	e	e	e	e	e	e	e	e	e	e				x				x	x	1843	Eur, Afr, Asi-Tem, Asi-Tro
Lolium rigidum	Poace			c		c	c	c		c			?			x						x		1946	Eur, Afr, Asi-Tem, Asi-Tro
Lomelosia palaestina	Capri		x	c							c											x		2016	Afr, Asi-Tem
Lonicera fragrantissima	Capri		x	le			le									x								2021	Asi-Tem
Lonicera henryi	Capri			c					c		c	c	c	c		x								2002	Asi-Tem, Asi-Tro
Lonicera involucrata	Capri			c				c									x							1925	NAm
Lonicera japonica	Capri			c	c	c			c		c					x								1998	Asi-Tem
Lonicera nitida	Capri			c			c		c		c	c	c	c								x		2000	Asi-Tem
Lonicera pileata	Capri		x	le?		c	c	c	c		le?		c	c		x						x		2002	Asi-Tem
Lonicera tatarica	Capri			le?	c	le?	le?	c	c		c	c	c	c		x								1971	Eur, Asi-Tem
Lopezia racemosa	Onagr			c				c														x		1946	NAm, SAm
Lotus ornithopodioides	Fabac			c	c																	x		1980	Eur, Afr, Asi-Tem
Ludwigia grandiflora[EU]	Onagr		x	le					le										x					2016	NAm, SAm
Ludwigia repens	Onagr			c						c									x					1992	NAm, SAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Hartl et al. 1992, Walter et al. 2002, Stöhr 2011
esc							Hohla 2002, Hohla et al. 2009
esc, una	cor,						Hohla et al. 2015, 2019, Hohla 2018a
esc							Walter et al. 2002
							Fischer et al. 2008, JACQ 2022, Pachschwöll et al. 2025
							Walter et al. 2002, Pachschwöll et al. 2025, Danihelka & Pachschwöll unpubl.
esc							Hartl et al. 1992, Walter et al. 2002, Hohla 2008, Zidorn 2010, JACQ 2022, Adler unpubl.
cor							Fischer et al. 2008, Hohla et al. 2009
							Hohla et al. 2009, Pagitz unpubl.
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013, Amann 2016, Gilli et al. 2021, Hohla 2021
cor							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Pflugbeil & Pilsl 2013
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Hohla 2018a
							Gilli et al. 2019b, Raabe 2019, Kleesadl & Schröck 2021
							Walter et al. 2002, Brandes 2015, Niklfeld 2016, Wittmann unpubl.
esc, sto	con,						Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Vitek et al. 2021
esc							Janchen 1977, Melzer 1988b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Janchen 1977, Melzer 1988b, Walter et al. 2002
esc							Janchen 1956–1960, Walter et al. 2002, Hohla 2011a, Gilli & Niklfeld 2018
esc							Host 1797, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Dalla Torre von Thunberg-Sternhof 1928, Hohla 2011a, Barta unpubl., Gilli unpubl.
							Melzer 1954, Walter et al. 2002, Pagitz et al. 2023
							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Dalla Torre von Thunberg-Sternhof & Sarnthein 1906, Walter et al. 2002, Fischer et al. 2008, Englmaier & Wilhalm 2018, Gilli et al. 2019b, JACQ 2022
							JACQ 2022, Pilsl unpubl.
esc							Gutermann & Gilli unpubl., Gutermann unpubl.
esc							Hohla 2006c, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Forum Flora Austria 2022, Pagitz et al. 2023, Stöhr unpubl.
esc							Hamburger 1948, Walter et al. 2002
esc							Melzer & Barta 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld 2015
esc							Walter et al. 2002, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
esc							Hohla 2006c, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Hamburger 1948
							Traxler 1980
esc	x?						Kleesadl & Schröck 2021
esc							Fischer et al. 2008

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Lunaria annua	Brass			e	e	e	e	e	e	c	e	c	e	c	x	x	x	x		x		x		1859	Eur
Lupinus albus	Fabac			c		c		c	c	c			c	c								x		1925	Eur, Asi-Tem
Lupinus angustifolius	Fabac			c	?	c		c	c	c								x				x		1965	Eur, Afr, Asi-Tem
Lupinus gussoneanus	Fabac		x	c			c			?												x		1921	Eur, Afr, Asi-Tem
Lupinus luteus	Fabac			c		c		c	a													x		1985	Eur, Afr
Lupinus polyphyllus	Fabac			e	e	e	c	e	e	e	e	e	e	e			x					x		1949	NAm
Lychnis chalcedonica	Caryo			c	c	c	c	c		c	c	c	c	c								x		1960	Eur, Asi-Tem
Lychnis coronaria	Caryo			c	c	c	c	c	c	c	c	c	c	c		x	x					x		1883	Eur, Asi-Tem, Asi-Tro
Lychnis flos-jovis	Caryo		x	c					c				c	c								x		1989	Eur
Lycium barbarum	Solan			e	e	e	e	c	c	c	c	c	e	c		x						x		1794	Asi-Tem
Lycium chinense	Solan			c				c		?							x					x		1914	Asi-Tem, Asi-Tro
Lycopsis orientalis	Borag			e	e	e	e					c						x				x		2001	Eur, Afr, Asi-Tem
Lysichiton americanus	Arace		x	c		c						c	c									x		2020	
Lysimachia ciliata	Primu		x	c			c															x		2001	NAm
Lysimachia clethroides	Primu		x	c							c											x		2007	Asi-Tem
Lythrum junceum	Lythr			c										c								x		1917	Eur, Afr, Asi-Tem
Macleaya ×kewensis	Papav		x	c					c		c											x		2004	
Macleaya cordata	Papav	t		c									c												Asi-Tem, Asi-Tro
Madia sativa	Aster			c						c	c											x		1963	NAm, SAm
Magnolia kobus	Magno		x	c							c											x		2015	Asi-Tem
Malcolmia maritima	Brass			c		c	c	c	c	c	c											x		1946	Eur
Malope trifida	Malva			c		c	c	c			c?		c									x		1909	Eur, Afr
Malus domestica	Rosac	c		e	c	c	c	c	e	?	le	c	c	c		x									
Malva ×clementii	Malva			c										c								x		2000	
Malva nicaeensis	Malva			c			c															x		1868	Eur, Afr, Asi-Tem
Malva parviflora	Malva		x	le?				le?														x		2017	Eur, Afr, Asi-Tem
Malva punctata	Malva		x	c					c													x		2015	Eur, Afr, Asi-Tem
Malva setigera	Malva			e	c	e	le											x				x		1762	Eur, Afr, Asi-Tem
Malva sylvestris var. *mauritiana*	Malva			c	c	c	c	c	c	c	c	c	c	c								x	x	1860	Eur, Afr, Asi-Tem, Asi-Tro
Malva trimestris	Malva			c	c	c	c	c	c		c						x					x		1971	Eur, Afr, Asi-Tem
Malva verticillata	Malva			c	c	c	c	c	c		c	c	c	c								x	x	1872	Asi-Tem
Mantisalca salmantica	Aster			c				c														x		1948	Eur, Afr, Asi-Tem
Matricaria discoidea	Aster			e	e	e	e	e	e	e	e	e	e	e								x	x	1855	NAm
Matthiola incana	Brass			c		c	c							c								x		1977	Eur
Matthiola longipetala subsp. *bicornis*	Brass		x	c			c				c											x		1924	Eur, Afr, Asi-Tem
Mauranthemum paludosum	Aster			c		c		c	c			c										x		1993	Eur, Afr
Mazus miquelii	Mazac		x	c	c		c				c											x		1974	Asi-Tem
Medicago ×varia	Fabac			e	e	e	e	c	le	le	c	c	e	c				x				x		1842	
Medicago arabica	Fabac			le?		c	le?		c													x		1994	Eur, Afr, Asi-Tem
Medicago disciformis	Fabac			c		c																x		1994	Eur, Afr, Asi-Tem
Medicago polymorpha	Fabac			c		c		c		c				c								x		1931	Eur, Afr, Asi-Tem
Medicago sativa s.str.	Fabac			e	e	e	e	e	e	e	e	e	e	e?				x				x		1756	Eur, Afr, Asi-Tem, Asi-Tro

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009, Amann 2016
esc, con, sto							Fischer et al. 2008, Hohla et al. 2009, Niklfeld & Schratt-Ehrendorfer 2022, Gilli unpubl.
esc							Janchen 1956–1960, 1977
esc							Drescher & Magnes 2001, Walter et al. 2002, Niklfeld & Schratt-Ehrendorfer 2022, ZoBoDat 2022, Hohla unpubl.
rel, esc	x						Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, JACQ 2022
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Brandes 2015, Kniely unpubl.
esc							Hartl et al. 1992, Walter et al. 2002, Leute 2003, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
esc							Hohla et al. 2009, Polatschek & Neuner 2013, Pagitz et al. 2023
esc							Schultes 1814, Adler & Mrkvicka 2003b, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, Pagitz et al. 2023
esc							Hamburger 1948, Fischer et al. 2008
							Fischer et al. 2008, Melzer & Barta 2008, Lefnaer 2018, Pagitz et al. 2023
							Pagitz et al. 2023, Plattner unpubl.
							Adler unpubl.
							Pflugbeil & Pilsl 2013
							Amann 2016
esc							Pflugbeil & Pilsl 2013, Hohla 2016
esc							
							Walter et al. 2002, Pflugbeil & Pilsl 2013
esc							Stöhr unpubl.
esc							Walter et al. 2002, Hohla 2012b, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022
esc							Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Vitek et al. 2021
rel, esc							Walter et al. 2002, Stöhr 2007, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Polatschek 2000, Walter et al. 2002
esc							Schur 1868, Walter et al. 2002
esc							Zernig et al. 2022
esc							Kleesadl & Schröck 2021
esc							Jacquin 1762, Fischer et al. 2008, Niklfeld 2016, Raabe unpubl.
esc							Bayer 1860, Handel-Mazzetti 1957, Melzer 2005, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2009, Pflugbeil & Pilsl 2013, Amann 2016, Sauberer & Till 2017, Niklfeld & Schratt-Ehrendorfer 2022
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Erdinger 1872, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Melzer 1954, Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Polatschek 1999, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
esc							Neumayer 1930, Janchen 1956–1960, 1977, Forstner & Hübl 1971, Walter et al. 2002, Adler & Mrkvicka 2003a, Pflugbeil & Pilsl 2013
							Fischer et al. 2008, Hohla et al. 2009, Gilli et al. 2021
							Traxler 1975, Pflugbeil & Moosbrugger 2016, Gilli et al. 2021, Hohla unpubl.
esc							Dolliner 1842, Fischer et al. 2008, Pagitz et al. unpubl.
esc							Fischer et al. 2008, Fischer & Niklfeld 2011, iNaturalist 2022
esc							Walter et al. 2002
esc							Hamburger 1948, Fischer et al. 2008, Amann 2016
esc							Adler & Mrkvicka 2003b, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Medicago scutellata	Fabac			c		c		c														x		1954	Eur, Afr, Asi-Tem
Melampodium montanum	Aster		x	c					c		c			c								x		2003	NAm, SAm
Melilotus indicus	Fabac			c				c														x		1954	Eur, Afr, Asi-Tem, Asi-Tro, SAm
Melilotus infestus	Fabac			c				c														x		1978	Eur, Afr
Melilotus sulcatus	Fabac			c				c														x		1954	Eur, Afr, Asi-Tem
Melissa officinalis	Lamia			e	e?	e?	e?	e	e?	c	e	c	e	c		x	x		x			x		1797	Eur, Afr, Asi-Tem, Asi-Tro
Mentha ×carinthiaca s.str.	Lamia			c						c		c					x					x		1831	
Mentha ×dalmatica	Lamia			c						c	c	c	c				x					x		1960	
Mentha ×gracilis	Lamia			c	c	c		c	c	c	c	c	c	c								x		1973	
Mentha ×piperita s.str.	Lamia		x	c	c		c	c	c	c	c	c	c	c			x					x		1859	
Mentha ×rotundifolia	Lamia		x	c				?			c	c	c									x		1956	
Mentha ×smithiana	Lamia			c		?		c	c	c	c		c				x					x		1948	
Mentha ×villosa	Lamia			le					c	c	c	le	c		x							x		2001	
Mentha ×villosonervata	Lamia		x	c							c											x		2007	
Mentha spicata s.str.	Lamia			c	c	c	c		c	c	c	c	c	c								x		1859	Eur, Asi-Tem, Asi-Tro
Mentha suaveolens	Lamia			c		c		c	c	c	c		c									x		1912	Eur, Afr, Asi-Tem
Microrrhinum litorale	Plant			le		le	le	c	le	c	le?	c	c									x		1948	Eur, Asi-Tem
Mimulus cupreus	Phrym			c						c												x		1960	SAm
Mimulus guttatus	Phrym			e	c	c	c	e	e	e	e	le?	e	e						x				1958	NAm
Mimulus moschatus	Phrym			le	c	c	c	c	le	c			c									x		1907	NAm
Mimulus ringens	Phrym		x	c	c				c													x		2009	NAm
Mirabilis jalapa	Nycta			c	c	c	c		c		c	c										x	x	1971	NAm, SAm
Mirabilis nyctaginea	Nycta			c		c	c			c												x		1973	NAm
Miscanthus ×giganteus	Poace		x	c			c		c	c								x				x		2007	
Miscanthus sacchariflorus	Poace			c		c	c	c	c	c	c	c	c									x	x	1986	Asi-Tem
Miscanthus sinensis	Poace			c	c	c	c	c	c	c	c	c	c	c								x		1990	Asi-Tem, Asi-Tro
Monarda didyma	Lamia			c				c	c	c		c	c	c								x		1912	NAm
Monarda fistulosa	Lamia		x	c					c													x		1844	NAm
Monarda punctata	Lamia			c									c									x		1912	NAm
Morus alba	Morac			le?	le?	le?	c	c	c	c	c					x						x		1859	Asi-Tem, Asi-Tro
Morus nigra	Morac			c	c	c	c		c	c	c					x						x		1960	Asi-Tem
Muehlenbeckia axillaris	Polyg		x	c							c											x		2014	Aus
Muhlenbergia mexicana	Poace		x	c			c	c	c		c											x		2008	NAm
Mummenhoffia alliacea	Brass		x	e	e	c	c	e	e		e		c				x							1830	Eur, Afr, Asi-Tem
Musa basjoo	Musac		x	c				c														x		2022	Asi-Tem, Asi-Tro
Muscari armeniacum	Aspar			le		le	le	c	le	c	le	c	c			x					x	x	x	1993	Eur, Asi-Tem
Muscari aucheri	Aspar		x	le?					le?													x		2011	Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Walter et al. 2002
							Hohla 2012b, 2014, Pflugbeil & Pilsl 2013
esc, con							Walter et al. 2002
esc							Walter et al. 2002
esc							Walter et al. 2002
esc, sto							Host 1797, Hamburger 1948, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. unpubl., Stöhr unpubl.
esc							Host 1831, Janchen 1956–1960
esc							Walter et al. 2002, Fischer et al. 2008, Polatschek & Neuner 2013
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Polatschek 2000, Walter et al. 2002, Adler & Mrkvicka 2003b, Hohla et al. 2009, Stöhr 2009, Pflugbeil & Pilsl 2013, Amann 2016, Kniely unpubl.
esc							Hayek 1908–1956, Janchen 1956–1960, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Stöhr unpubl.
esc							Polatschek 2000, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Hohla 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Adler & Mrkvicka 2003b, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Niklfeld & Schratt-Ehrendorfer 2022, Lefnaer unpubl.
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Sauberer et al. 2020
cor							Adler et al. 2008, Fischer et al. 2008, Melzer & Barta 2008, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Kleesadl & Schröck 2021
							Fischer et al. 2008
							Melzer & Barta 2001, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Gilli et al. 2019b, Zernig et al. 2019, Pagitz et al. unpubl., Stöhr unpubl.
							Forstner & Hübl 1971, Melzer & Barta 2001, Fischer et al. 2008, Hohla 2014, Pagitz et al. 2023
							Hohla 2009, Pachschwöll et al. 2025
esc							Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Sauberer & Till 2017, Hohla et al. 2019, Stöhr unpubl.
							Fischer et al. 2008
hyb	(x) x?						Hohla 2008, Hohla et al. 2009, Vitek et al. 2021, Wittmann unpubl.
esc	(x) x?						Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Vitek et al. 2021, Forum Flora Austria 2022, Stöhr unpubl.
esc	(x) x?						Hartl et al. 1992, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Englmaier & Wilhalm 2018, Gilli et al. 2019b, Pagitz et al. 2023, Gilli unpubl., Hohla unpubl.
esc							Walter et al. 2002, Hohla 2011b, Stöhr et al. 2012, Pagitz et al. 2023
esc							Hohla 2009, Hohla et al. 2009
esc							Walter et al. 2002
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							JACQ 2022
							Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld 2016, Hohla 2018b, Zernig et al. 2020
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Essl & Follak unpubl.
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Smettan 2012, Pflugbeil & Pilsl 2013, Gilli et al. 2020, Niklfeld & Schratt-Ehrendorfer 2022
esc							Hohla 2011b

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Muscari azureum	Aspar			le		le	le															x		1994	Asi-Tem
Muscari latifolium	Aspar		x	c		c																x		2006	Asi-Tem
Mutarda nigra	Brass			e?	c	e?	c	c	c	c	c	c	c	c								x		1814	Eur, Afr, Asi-Tem
Myriophyllum aquaticum[EU]	Halor			le					c	le									x					1980	SAm
Myriophyllum heterophyllum[EU]	Halor			le		c		le		c									x					1973	NAm
Narcissus ×hybridus	Amary			c					c													x		2003	
Narcissus ×incomparabilis	Amary			c		c	c	c	c		c	c	c					x						1844	
Narcissus cyclamineus	Amary		x	c								c										x		2020	Eur
Narcissus minor	Amary			c		c	c		c		c	c					x					x		2003	Eur
Narcissus poeticus s.str.	Amary			e	c	c	c	c	c	c	c	e	c	c				x						1859	Eur
Narcissus pseudonarcissus	Amary			le	c	le	c	le	le	c	le	c	c	c		x	x							1821	Eur, Asi-Tem
Nassella tenuissima	Poace		x	c	c	c	c		c		c											x		2013	NAm, SAm
Neillia incisa	Rosac		x	c					c		c	c										x		2004	Asi-Tem
Nemesia melissifolia	Scrop		x	c			c															x		2007	Afr
Nemesia-hybrids	Scrop		x	c					c													x		2005	
Nemophila maculata	Borag		x	c										c								x		1989	NAm
Nepeta ×faassenii	Lamia	t	x	c		c	c		c			c	c					x				x		1954	
Nepeta grandiflora	Lamia		x	c					c		a											x		2009	Eur, Asi-Tem
Nepeta racemosa	Lamia			le	le	c	c	c	c	c	c	c	c									x		1994	Asi-Tem
Nerium oleander	Apocy		x	c	c																	x		2022	Eur, Afr, Asi-Tem, Asi-Tro
Nicandra physalodes	Solan			c	c	c	c	c	c	c	c	c	c	c								x	x	1912	SAm
Nicotiana ×sanderae	Solan			c		c	c	c	c													x		1971	
Nicotiana alata	Solan			c				c		c			c	c								x		1923	SAm
Nicotiana langsdorffii	Solan			c					c													x		2003	SAm
Nicotiana rustica	Solan			c	c	c	c	c	c	c	c	c	c	c								x		1922	SAm
Nicotiana tabacum	Solan			c		c	c	c	c	c			c									x		1969	SAm
Nigella damascena	Ranun			c		c	c	c	c	c	c	c	c	c								x		1870	Eur, Afr, Asi-Tem
Nigella sativa	Ranun			c			c		c	c												x		1992	Asi-Tem
Nonea lutea	Borag			c		c	c															x		1960	Eur, Asi-Tem
Nuphar advena	Nymph		x	le		le													x					1929	NAm, SAm
Nymphaea odorata s.lat.	Nymph		x	c					c										x					2020	NAm, SAm
Nymphoides peltata	Menya		x	e	c	e	e	le	e	c	e		le	c					x					1814	Eur, Afr, Asi-Tem, Asi-Tro
Ocimum basilicum	Lamia		x	c					c													x		2018	Asi-Tem, Asi-Tro
Odontarrhena muralis	Brass			le	c	le	c	le	le	c								x				x		1960	Eur, Asi-Tem
Oenanthe javanica	Apiac		x	c	c												x							2020	Asi-Tem, Asi-Tro, Aus
Oenothera acutifolia	Onagr		x	c					c													x		2005	
Oenothera albipercurva	Onagr		x	c			c		c													x		2011	
Oenothera ammophila	Onagr			c		c																x		1982	NAm

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esc							Fischer et al. 2008, Gilli et al. 2020
esc							Fischer & Niklfeld 2008
esc							Schultes 1814, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, sto							Hartl et al. 1992, Hohla et al. 2015
esc, sto							Fischer et al. 2008, Pall et al. 2013, Forum Flora Austria 2022
esc							Hohla 2006c, Hohla et al. 2009
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Stöhr unpubl.
esc							Hohla 2006c, Hohla et al. 2009, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Stöhr unpubl.
esc							Neilreich 1859, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Hamburger 1948, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Pflugbeil 2015, Gilli & Niklfeld 2018, Hohla 2018b
esc							Hohla 2006b, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Vitek et al. 2021
esc							Hohla 2022
esc							Dörr & Lippert 2004
esc							Melzer & Barta 2005, Hohla et al. 2009, Polatschek & Neuner 2013, Vitek et al. 2021, Pagitz et al. 2023
esc							Hohla 2011a
esc							Melzer & Barta 2005, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Gilli et al. 2019b
esc							Nadler unpubl.
esc, sto							Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Walter et al. 2002, Hohla et al. 2009
esc							Fischer et al. 2008, Polatschek & Neuner 2013
esc							Hohla 2006c, Hohla et al. 2009
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla 2011a, Niklfeld 2016, Pagitz et al. 2023
esc							Walter et al. 2002, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, con, sto							Fischer et al. 2008, Hohla et al. 2009
							Walter et al. 2002
							Gilli et al. 2021
esc, sto							Diewald unpubl.
esc, sto							Schultes 1814, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Gilli et al. 2022, Kniely unpubl., Pagitz et al. unpubl.
esc							Hohla 2021
							Fischer et al. 2008, Hohla et al. 2009, Gilli et al. 2020, Leonhartsberger unpubl.
							Barta et al. unpubl.
							Kleesadl 2009
							Kleesadl 2011, Pflugbeil unpubl.
							Fischer et al. 2008

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Oenothera angustissima	Onagr			c		c					c											x		1982	NAm
Oenothera biennis s.str.	Onagr			e	e	e	e	e	e	e	e	e	e	le								x	x	1795	NAm
Oenothera cambrica	Onagr		x	c							c											x		2017	
Oenothera canovirens	Onagr			c				c	c	c	c	c										x		1982	NAm
Oenothera carinthiaca	Onagr			c			c	c	c	c		x	x									x		1982	
Oenothera casimiri	Onagr		x	c					c		c											x		2001	
Oenothera compacta	Onagr		x	c							c											x		2003	
Oenothera cruciata	Onagr			c				c														x		1982	NAm
Oenothera deflexa	Onagr			e?				c	e?	c	e?	c	c									x		1982	NAm
Oenothera depressa	Onagr			c		c	c	x	c				c									x		1960	NAm
Oenothera fallax s.str.	Onagr			e?	?	e?	e?	e?	e?	e?	e?		e?									x		1971	
Oenothera flaemingina	Onagr		x	c						c												x		2020	
Oenothera fruticosa	Onagr		x	c					c		c											x		2003	NAm
Oenothera glazioviana s.str.	Onagr			e	e	e	e	e	e	e?	e	e?	e	e?								x		1909	
Oenothera heiniana	Onagr			c			c					x										x		1870	
Oenothera hoelscheri	Onagr			c			c	c	c		?											x		1971	
Oenothera inconspecta	Onagr		x	c					c													x		2008	
Oenothera issleri	Onagr			c			c															x		1971	NAm
Oenothera laciniata	Onagr			c				c					c									x		1954	NAm
Oenothera lindheimeri (syn. *Gaura lindheimeri*)	Onagr	t	x	c			c				c											x		2014	NAm
Oenothera macrocarpa	Onagr		x	c					c													x		2017	NAm
Oenothera mollissima	Onagr		x	c				c														x		1840	SAm
Oenothera oakesiana s.str.	Onagr			c		c	c		x	x				c								x		1888	NAm
Oenothera oehlkersii	Onagr		x	c				c														x		2021	
Oenothera paradoxa	Onagr		x	c					c		c											x		2017	
Oenothera parviflora s.str.	Onagr			c		c			x				c									x		1982	NAm
Oenothera perangusta	Onagr		x	c							c											x		2017	NAm
Oenothera perennis	Onagr		x	c					c													x		2004	NAm
Oenothera punctulata	Onagr		x	c				c	c		c											x		1994	
Oenothera pycnocarpa	Onagr			e		c	le	c	e	c	e	c	c						x			x		1973	NAm
Oenothera rosea	Onagr			c			c	c														x		1921	NAm, SAm
Oenothera royfraseri	Onagr		x	c			c	c	c	c	c											x		1980	NAm
Oenothera rubricaulis	Onagr			e?	?	e?	e?	e?	e?	e?	e?	e?										x		1960	NAm
Oenothera scandinavica	Onagr		x	c							c			c								x		2017	
Oenothera stucchii	Onagr		x	c							c											x		2017	NAm
Oenothera suaveolens	Onagr			c		c	c		c													x		1982	NAm
Oenothera subterminalis	Onagr			c				c	x				?									x		1960	NAm
Oenothera victorinii	Onagr		x	c					c		c											x		2002	NAm
Oenothera wienii	Onagr			c				c														x		1982	
Oloptum miliaceum s.str.	Poace		x	c			c		x	c												x		1846	Eur, Afr, Asi-Tem
Onobrychis viciifolia s.str.	Fabac			e	e	e	e	e	e	e	e	e	e	e					x			x		1700	Eur
Onoclea sensibilis	Onocl		x	c					c?		c											x		2011	Asi-Tem
Ononis mitissima	Fabac			c										c								x		2000	Eur, Afr, Asi-Tem
Onopordum illyricum	Aster			c			c															x		1892	Eur, Asi-Tem
Onopordum tauricum	Aster			c				c														x		1954	Eur, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Fischer et al. 2008, Pflugbeil 2018
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Amann 2016, Pflugbeil 2018, Pagitz et al. 2023
							Pflugbeil 2018
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil 2018, Pagitz et al. 2023
							Fischer et al. 2008, Hohla et al. 2009, Vitek et al. 2021, Pflugbeil unpubl.
							Stöhr et al. 2012, Pflugbeil 2018
							Pflugbeil 2018
							Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009, Stöhr et al. 2012, Polatschek & Neuner 2013, Pflugbeil 2018
							Rostański & Forstner 1982, Maurer 1996, Fischer et al. 2008, Hohla et al. 2009
							Walter et al. 2002, Fischer et al. 2008, Kleesadl 2009, Pflugbeil 2018
							Trávníček unpubl.
							Hohla 2012b, Stöhr et al. 2012, Pflugbeil 2018
esc							Fischer et al. 2008, Hohla et al. 2009, Amann 2016, Pflugbeil 2018, Pagitz et al. 2023
							Forstner & Hübl 1971, Fischer et al. 2008, Pflugbeil unpubl.
							Walter et al. 2002, Fischer et al. 2008, Kleesadl 2009, Pflugbeil 2018
							Kleesadl 2011
							Fischer et al. 2008
							Walter et al. 2002
							Pflugbeil & Moosbrugger 2016, Vitek et al. 2021
							Hohla 2018a
							Rostański & Forstner 1982
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Amann unpubl., Pflugbeil unpubl.
							Schwab unpubl.
							Pflugbeil 2018, Hohla et al. 2019
							Fischer et al. 2008, Hohla et al. 2009, Polatschek & Neuner 2013
							Pflugbeil 2018
							Hohla 2011a
							Hohla 2005, Hohla et al. 2005a, Hohla 2012b, Pflugbeil 2018
							Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil 2018
							Forstner & Hübl 1971, Walter et al. 2002
							Rostański & Forstner 1982, Hohla et al. 2005a, Pflugbeil 2018, Pflugbeil unpubl.
							Rostański & Forstner 1982, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil 2018, Pflugbeil unpubl.
							Hassler 2020
							Hassler 2020, Hohla unpubl.
							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla 2008, Hohla et al. 2009, Till unpubl.
							Fischer et al. 2008, Hohla et al. 2009
							Hohla 2011a, Pflugbeil 2018
							Fischer et al. 2008
							Neilreich 1846, Walter et al. 2002, Hohla et al. 2009
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. unpubl.
							Hohla 2011c, Stöhr et al. 2021
							Dörr & Lippert 2004
							Forstner & Hübl 1971, Walter et al. 2002
							Walter et al. 2002

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Opuntia humifusa	Cacta		x	le		c							le	c							x			1995	NAm
Opuntia phaeacantha	Cacta		x	le		le	c														x			1980	NAm
Orchis anthropophora	Orchi		x	c		c				c								x						1985	Eur, Afr, Asi-Tem
Origanum majorana	Lamia			c			c		c			c	c									x		1956	Eur, Asi-Tem
Origanum rotundifolium × *O. vulgare*	Lamia		x	c					c													x		2018	
Origanum vulgare subsp. *megastachyum*	Lamia		x	c								c										x		2016	Eur, Asi-Tem
Ornithogalum oligophyllum	Aspar		x	c		c						c										x		2012	Eur, Asi-Tem
Ornithopus perpusillus	Fabac			c			?		c		c											x		1768	Eur, Afr
Ornithopus sativus	Fabac			c		c	c	c	c	?			c	c								x		2000	Eur, Afr
Osmunda regalis	Osmun		x	c							c											x		2011	Eur, Afr, Asi-Tem
Othocallis amoena	Aspar			c		c	c	c	?		?	c	c									x		1859	Asi-Tem
Othocallis mischtschenkoana	Aspar		x	le		c	le	c														x		1997	Asi-Tem
Othocallis siberica	Aspar			le	c	c	c	c	c	c	le	c	c			x	x			x		x		1954	Eur, Asi-Tem
Oxalis corniculata	Oxali			e	e	e	e	e	e	e	e	e	e	e								x	x	1821	Asi-Tro
Oxalis dillenii	Oxali			e	e	e	e	e	e	e	e	e	e	e								x		1910	NAm
Oxalis latifolia	Oxali		x	c							c											x		2018	NAm, SAm
Oxalis stricta	Oxali			e	e	e	e	e	e	e	e	e	e	e								x	x	1821	NAm
Oxalis tetraphylla	Oxali		x	c					c		c											x		2019	NAm
Oxalis triangularis	Oxali		x	c							c											x		2003	SAm
Oxybasis rhombifolia	Amara		x	c	x	c	c	c	c													x		1871	Eur
Pachysandra terminalis	Buxac			e?		c		le	c	c	c	c	e?									x		2002	Asi-Tem
Paeonia lactiflora	Paeon		x	c			c					c										x		2003	Asi-Tem
Paeonia mascula	Paeon			le		le										x	x							1960	Eur, Afr, Asi-Tem
Paeonia officinalis	Paeon			c		c	c		c	c	c	c	c									x		1960	Eur
Pallenis maritima	Aster		x	c	c																	x		2022	Eur, Afr
Panicum barbipulvinatum	Poace			e	e	e	c	c	e	c	e	c	e	c				x				x	x	1878	NAm, SAm
Panicum capillare s.str.	Poace			e	e	e	e	e	e	e	e	c	e	e								x	x	1794	NAm, SAm
Panicum dichotomiflorum	Poace			e	e	c	c	e	e	e	e?		e	le								x	x	1949	NAm, SAm
Panicum hillmanii	Poace			e	e	e	e	c	c	c	c											x	x	1976	NAm
Panicum miliaceum subsp. *agricola*	Poace			e	e	e	e	c	c	c		c	c									x	x	1976	Asi-Tem, Asi-Tro
Panicum miliaceum subsp. *miliaceum*	Poace			c	?	c	c	c	c	c	c	c	c	c								x	x	1756	Asi-Tem, Asi-Tro
Panicum miliaceum subsp. *ruderale*	Poace			e	e	e	e	e	c	e	c	c	e									x	x	1971	Asi-Tem, Asi-Tro
Panicum philadelphicum	Poace			c		c		c	c				c									x	x	1996	NAm
Panicum schinzii	Poace			e	c			c	e	c													x	1969	Afr
Panicum virgatum	Poace			c		c	c	c	c		c											x	x	2002	NAm, SAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Pagitz 2007, Polatschek & Neuner 2013, Tod unpubl.
esc							Essl 2007b, Fischer & Niklfeld 2011, Lefnaer unpubl.
							Janecek et al. 2003
esc							Hohla et al. 2009, JACQ 2022, Pagitz et al. 2023, Adler unpubl.
esc							Hohla 2018b
esc							Stöhr unpubl.
							Gilli et al. 2020, Forum Flora Austria 2022, Stöhr unpubl.
							Wallnöfer et al. 2015, Hohla 2022
							Walter et al. 2002, Niklfeld 2015, Wallnöfer et al. 2015, Amann 2016
esc							Stöhr et al. 2021
esc							Neilreich 1859, Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Adler & Mrkvicka 2003a, Gilli et al. 2020, JACQ 2022
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, 2016, Smettan 2012, Pflugbeil & Pilsl 2013
esc, sto							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Amann 2016
							JACQ 2022, Pilsl & Wittmann unpubl.
							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Hohla et al. 2019, Pflugbeil unpubl.
							Pilsl et al. 2008, Pflugbeil & Pilsl 2013
							Hayek 1908–1956, Janchen 1956–1960, 1977, Traxler 1969, JACQ 2022
esc							Melzer & Barta 2002, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Zernig et al. 2017, Gilli et al. 2021, Pagitz et al. 2023
esc							Adler & Mrkvicka 2003a, Pagitz et al. 2023
esc							Fischer et al. 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Forum Flora Austria 2022, Pachschwöll et al. 2025
							Hohla et al. 2009, 2015, Pflugbeil & Pilsl 2013, Niklfeld 2015, Pagitz & Lechner-Pagitz 2015, Amann 2016, JACQ 2022, Stöhr unpubl.
							Schultes 1794, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz unpubl., Pagitz et al. unpubl.
		x					Melzer 1954, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Gilli et al. 2019b, Pagitz et al. unpubl.
con, sto		x?					Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, JACQ 2022
		x?					Scholz & Mikolás 1991, Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Gilli & Niklfeld 2018, Pagitz et al. 2023, Pagitz et al. unpubl.
esc, sto							Kramer 1756, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
		x?					Melzer 1983, Fischer et al. 2008, Hohla et al. 2009, Zernig et al. 2018, Niklfeld & Schratt-Ehrendorfer 2022, Observation International 2022, Pagitz et al. 2023, Pagitz et al. unpubl.
							Melzer 1997, Melzer & Barta 2008, Hohla et al. 2015, Zernig et al. 2018, Pagitz et al. unpubl.
							Fischer et al. 2008, Hohla et al. 2009, JACQ 2022
esc							Schröck et al. 2004, Hohla 2011a, Pflugbeil & Pilsl 2013, Gilli & Niklfeld 2018, Gilli et al. 2020, Pachschwöll et al. 2025

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Papaver atlanticum	Papav			c			c	c			c		c									x		1971	Afr
Papaver bracteatum	Papav			c			c		c													x		1971	Asi-Tem
Papaver cambricum	Papav			le		c		le	c		c	c	c	c								x		2000	Eur
Papaver commutatum	Papav			c				c														x		1991	Eur, Afr, Asi-Tem, Asi-Tro
Papaver croceum	Papav			c			c	c	c		c	c	c	c								x		1971	Asi-Tem, NAm
Papaver hybridum	Papav			c	c	c			?													x	x	1992	Eur, Afr, Asi-Tem, Asi-Tro
Papaver orientale s.str.	Papav		x	c					c		c	c										x		2003	Asi-Tem
Papaver pilosum	Papav			c				c	c													x		1979	Asi-Tem
Papaver somniferum subsp. *setigerum*	Papav			c			c	c	c		c	c										x	x	2002	Eur, Afr
Papaver somniferum subsp. *somniferum*	Papav	c	x	c	c	c	c	c	c	c	c	c	c	c								x	x		
Parietaria judaica	Urtic			e		c	e	e	c	c	c		e									x		1827	Eur, Afr, Asi-Tem, Asi-Tro
Paronychia kapela subsp. *serpyllifolia*	Caryo		x	c	c		c		c			c										x		1998	Eur
Parthenocissus inserta	Vitac			e	e	e	e	e	e	le	e	e	e	e	x	x						x		1892	NAm
Parthenocissus quinquefolia s.str.	Vitac			c			c	c	x		c											x		1859	NAm, SAm
Parthenocissus tricuspidata	Vitac			c	?	c	c	c	c		c	c	c									x		1891	Asi-Tem
Paspalum distichum	Poace			c				c		c												x		1948	NAm, SAm
Pastinaca sativa subsp. *urens*	Apiac			c		c		c									x							1960	Eur, Asi-Tem
Paulownia tomentosa	Paulo			le	c	c	le	le	le	c	c		c	c		x				x		x		1965	Asi-Tem
Penstemon campanulatus	Plant		x	c							c											x		2008	NAm
Periploca graeca	Apocy			c		c	c							c								x		1923	Eur, Asi-Tem
Perovskia ×superba	Lamia		x	c		c					c											x		2016	
Perovskia abrotanoides	Lamia		x	c	c	c		c	c													x		2010	Asi-Tem, Asi-Tro
Perovskia atriplicifolia	Lamia		x	c		c					c											x		2015	Asi-Tem, Asi-Tro
Persicaria capitata	Polyg			c				c	c							x						x		1993	Asi-Tem, Asi-Tro
Persicaria orientalis	Polyg			c	c	c	c	c	c	c	c	c	?	c								x		1920	Asi-Tem, Asi-Tro, Aus
Persicaria pensylvanica	Polyg		x	c					c													x		2013	NAm
Petroselinum crispum	Apiac			c	?	c	c	c	c	c	c	c	c	c								x		1821	Eur, Afr
Petunia ×hybrida	Solan			c	c	c	c	c	c	c	c	c	c	c								x	x	1923	
Phacelia campanularia	Borag		x	c		c			c				c									x	x	2015	NAm
Phacelia congesta	Borag			c	?	?	?							c								x	x	1917	NAm
Phacelia tanacetifolia	Borag			c	c	c	c	c	c	c	c	c	c	c								x	x	1923	NAm
Phalaris arundinacea var. *picta*	Poace			e	e	e	e	e	e	e	e	e	e	e			x		x			x		1960	Eur, NAm
Phalaris brachystachys	Poace			c				c					c									x	x	1954	Eur, Afr, Asi-Tem
Phalaris canariensis	Poace			c	c	c	c	c	c	c	c	c	c	c		x						x	x	1795	Eur, Afr
Phalaris minor	Poace			c				c														x	x	1954	Eur, Afr, Asi-Tem, Asi-Tro

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Zernig et al. 2017, Pagitz et al. 2023
esc							Fischer et al. 2008
esc							Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Hohla et al. 2009, Raabe & Gilli 2020, 2021 unpubl.
esc							Hohla 2013, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009
esc, con							Hohla et al. 2002, 2009, Adler & Mrkvicka 2003a, Fischer et al. 2008, Forum Flora Austria 2022, Stöhr unpubl.
esc, con							Neilreich 1846, Walter et al. 2002, Hohla et al. 2009, Stöhr 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016
							Essl 2008, Fischer & Niklfeld 2008, Fischer et al. 2008, Hohla 2011b, JACQ 2022, Leonhartsberger unpubl., Pagitz et al. unpubl.
							Hohla 2005, Gilli et al. 2019b, Vitek et al. 2021, Forum Flora Austria 2022
esc	x?						Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Neilreich 1859, Adler & Mrkvicka 2003a, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Schrammel et al. 2019
esc							Essl 2006, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Gilli unpubl.
							Melzer 1954, Hartl et al. 1992, Fischer et al. 2008
							Walter et al. 2002, Heimel unpubl.
esc	x?						Fischer et al. 2008, Pflugbeil & Pilsl 2013, Amann 2016, Zernig et al. 2017, Kleesadl & Schröck 2021, Hofbauer unpubl., Pagitz et al. unpubl.
esc							Pflugbeil & Pilsl 2013
							Walter et al. 2002, Amann 2016
esc							Niklfeld 2016, JACQ 2022
esc							Hohla 2011a, Niklfeld 2016, Gilli et al. 2019b, Pachschwöll et al. 2025
esc							Gilli et al. 2019b, JACQ 2022, Pilsl unpubl.
esc							Melzer 2006, Fischer et al. 2008, Hohla 2014
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Zernig et al. 2015, Pagitz et al. 2023
							Hohla 2013
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Hohla et al. 2015, Hohla 2018b, Pagitz et al. 2023
esc							Walter et al. 2002, Amann 2016
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Janchen 1956–1960, 1977, Traxler 1977, 1984, Speta 1990, Adler et al. 1994, Müllner et al. 2000, Hohla 2000, Maier et al. 2001
esc							Walter et al. 2002, Pagitz et al. 2023
esc, con, sto							Forstner & Hübl 1971, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Phalaris paradoxa	Poace			c		c		c						c								x		1954	Eur, Afr, Asi-Tem, Asi-Tro
Phaseolus coccineus	Fabac			c		c	c	c	c		c			c								x		1923	NAm, SAm
Phaseolus vulgaris	Fabac			c	c	c	c	c	c	c	c	c	c	c									x	1960	NAm, SAm
Phedimus aizoonx	Crass			c					c		c	c										x		1973	Asi-Tem
Phedimus diffusus	Crass		x	c							c											x		2014	Asi-Tem
Phedimus ellacombeanus	Crass		x	le?		c		c	le?		c											x		1993	Asi-Tem
Phedimus hybridus	Crass			e		c	c	c	c	c	c	c	e	le								x		1960	Eur, Asi-Tem
Phedimus kamtschaticus	Crass		x	c			c		c		c	c	c									x		2003	Asi-Tem
Phedimus middendorffianus	Crass		x	c					c		c			c								x		1998	Asi-Tem
Phedimus spurius	Crass			e	le	e	le	e	e	e	e	e	e	le			x	x			x	x		1867	Asi-Tem
Phedimus stolonifer	Crass		x	e		c		le	le	c	le	e										x		2001	Asi-Tem
Philadelphus pubescens	Hydra			c			c															x		1971	NAm
Phleum arenarium	Poace			c			c															x		1879	Eur, Afr, Asi-Tem
Phleum paniculatum	Poace			le		c	c		le					c								x		1802	Eur, Asi-Tem, Asi-Tro
Phleum subulatum	Poace			c			c	c														x		1826	Eur, Asi-Tem, Asi-Tro
Phlomis russeliana	Lamia		x	c					c													x		2018	Asi-Tem
Phlox drummondii	Polem			c	c	c		c					c	c								x		1960	NAm
Phlox paniculata	Polem			c	c	c	c	c	c	c	c	c	c									x		1960	NAm
Phlox stolonifera	Polem		x	c									c									x		2009	NAm
Phlox subulata	Polem			c	c	c	c	c	c		c	c	c	c								x		1977	NAm
Phoenix dactylifera	Areca			c			c	c					c									x		1971	Asi-Tem
Phuopsis stylosa	Rubia			c		c	c	c						c								x		1891	Asi-Tem
Phyla nodiflora	Verbe		x	c	c																	x		2017	Eur, Afr, Asi-Tem, Asi-Tro, Aus, Pac, NAm, SAm
Phyllostachys aureosulcata	Poace		x	c					c		c					x								2015	Asi-Tem
Phyllostachys nigra	Poace		x	c		?			c							x								2010	Asi-Tem
Phyllostachys viridiglaucescens	Poace		x	c		c	c									x								2013	Asi-Tem
Physalis angulata	Solan			le		c	le	c														x		1991	NAm, SAm
Physalis grisea	Solan		x	c		c		c	c		c											x		2017	NAm
Physalis longifolia	Solan			le?						le?			c									x		1960	NAm
Physalis peruviana	Solan			c	c	c	c	c	c	c	c	c	c	c								x		1912	SAm
Physalis philadelphica	Solan			c		c	c		c				c									x		2001	NAm, SAm
Physocarpus opulifolius	Rosac			le?	c	le?	c	c	le?	c	le?	c	c	c		x				x		x		1913	NAm
Physostegia virginiana	Lamia			c		c	c	c	c		c		c									x		1971	NAm
Phytolacca acinosa	Phyto			e	e	e	e	c	le	c	c	c	c			x	x					x	x	1821	Asi-Tem
Phytolacca americana	Phyto			e	le	e	c	e	c	le	c	c	c									x	x	1893	NAm
Picea jezoensis	Pinac		x	c							c											x		2002	Asi-Tem, NAm
Picea omorika	Pinac		x	c		c																x		2008	Eur

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Walter et al. 2002, Prinz & Sauberer 2020 unpubl., Forum Flora Austria 2022
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Hohla 2011b, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013
esc							JACQ 2022, Pilsl unpubl.
esc							Hohla 2016, Kleesadl 2017, Gilli et al. 2019b, JACQ 2022
rel, esc							Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Schinninger & Rožánek 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
rel, esc							Pilsl et al. 2008, Schinninger & Rožánek 2008, Pflugbeil & Pilsl 2013, Hohla 2022, Pagitz et al. 2023
esc							Hohla et al. 1998, JACQ 2022, Stöhr unpubl.
rel, esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Hohla 2013, 2014, Pflugbeil & Pilsl 2013, Gilli & Niklfeld 2018, Follak et al. 2020, Pagitz et al. 2023, Stöhr unpubl.
esc							Walter et al. 2002
							Forstner & Hübl 1971, Walter et al. 2002
							Forstner & Hübl 1971, Amann 2016, Gilli et al. 2019b, Kleesadl & Schröck 2021
							Hamburger 1948, Walter et al. 2002
							Hohla et al. 2019
esc							Traxler 1959, Fischer et al. 2008, Amann 2016, Pagitz et al. 2023
esc							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Leonhartsberger & Wendelin unpubl., Stöhr unpubl.
esc							Neuner 2009, Polatschek & Neuner 2013
esc							Polatschek 2000, Fischer et al. 2008, Hohla 2011b, Pflugbeil & Pilsl 2013, Amann 2016
esc							Forstner & Hübl 1971, Walter et al. 2002
esc							Hamburger 1948, Walter et al. 2002, Stöhr et al. 2007, Pagitz et al. 2023, Lefnaer unpubl.
esc							Gilli et al. 2019b
esc							Hohla et al. 2015, Pilsl unpubl.
esc							Walter et al. 2002, Hohla 2011a, b
esc							Barta unpubl.
esc							Walter et al. 2002, Adler & Mrkvicka 2003b, Barta unpubl.
esc							Hohla 2018b, Gilli et al. 2019b, 2021, Pachschwöll et al. 2025
esc							Walter et al. 2002, Szabó et al. unpubl.
esc							Franz 1993, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, sto							Walter et al. 2002, Essl 2003, Hohla et al. 2009, Vitek et al. 2021
esc							Hamburger 1948, Polatschek 2000, Walter et al. 2002, Hohla 2011a, Pflugbeil & Pilsl 2013, Amann 2016, Forum Flora Austria 2022, Barta unpubl., Stöhr unpubl.
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz unpubl.
esc							Hamburger 1948, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, NAGO 2022, Stöhr unpubl.
esc	x		x				Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Stöhr et al. 2009

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Picea pungens	Pinac		x	c							c	c										x		2008	NAm
Pimpinella anisum	Apiac			c				c	c				c	c								x		1868	Asi-Tem
Pimpinella peregrina	Apiac			le?	le?	le?	le?	c	c	c			c									x		2001	Eur, Asi-Tem
Pinellia ternata	Arace			c				c	c	c	c											x		1960	Asi-Tem
Pinus strobus	Pinac			c		c	c	c	c	c	c		a		x	x								1978	NAm, SAm
Pinus wallichiana	Pinac		x	c					c		?											x		2017	Asi-Tem, Asi-Tro
Pistia stratiotes	Arace			le		c	c			le	c								x					1980	Afr, Asi-Tem, Asi-Tro, Aus, NAm, SAm
Pisum sativum	Fabac	c		c	c	c	c	c	c	c	c	c	c	c				x				x			
Plagiobothrys scouleri	Borag		x	c				c		c												x		1982	NAm
Plantago aristata	Plant			c		c	x															x		1908	NAm
Plantago coronopus	Plant			c	c	c	c	c	c	c	c	c	c	c								x		1866	Eur, Afr, Asi-Tem, Asi-Tro
Plantago holosteum	Plant			c				c														x		1931	Eur, Afr, Asi-Tem
Plantago lagopus	Plant		x	c			c															x		1866	Eur, Afr, Asi-Tem, Asi-Tro
Plantago sempervirens	Plant			c		c																x		1846	Eur
Plantago virginica	Plant			le?		le?																x		1995	NAm
Platanus ×hispanica	Plata			c		c	c	c	c		c	c		c		x				x		x		1971	
Platycladus orientalis	Cupre			e	c	e	e	le	c	c	x	c	c								x	x		1929	Asi-Tem
Platycodon grandiflorus	Campa		x	c		c			c													x		2015	Asi-Tem
Poa bigelovii	Poace		x	c					c													x		2008	NAm
Poa infirma	Poace			c			c															x		1971	Eur, Afr, Asi-Tem, Asi-Tro
Poa trivialis subsp. *sylvicola*	Poace			c						c												x		1995	Eur, Afr, Asi-Tem, Asi-Tro
Polycarpon tetraphyllum	Caryo			e	c	c	e	c	c				c	c								x		1992	Eur, Afr, Asi-Tem
Polypogon monspeliensis	Poace			c		c	c	c	c	c	c			c								x		1879	Eur, Afr, Asi-Tem, Asi-Tro
Polypogon viridis	Poace		x	c				c	c													x		2014	Eur, Afr, Asi-Tem, Asi-Tro
Pontederia cordata	Ponte		x	c		c			a		c?								x					2007	NAm, SAm
Populus ×canadensis	Salic			e	le	e	le	c	e	le?	c	c	e	c		x						x		1960	
Populus ×jackii	Salic		x	c		c			c		c											x		2002	
Populus balSAmifera	Salic			le		c	c	c	c		le	c	le			x				x		x		1994	NAm
Populus simonii	Salic		x	c		c			c		c	c	c							x		x		1989	Asi-Tem
Populus trichocarpa	Salic		x	c							c											x		2007	NAm
Portulaca grandiflora	Portu			c	c	c	c	c	c	c	c	c										x		1971	SAm
Potentilla anglica s.str.	Rosac	t		c		?		c	x	?												x		1954	Eur
Potentilla atrosanguinea	Rosac			c										c								x		1960	Asi-Tem, Asi-Tro
Potentilla chrysantha	Rosac			c				c														x		2005	Eur, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Stöhr unpubl.
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009
rel							Fischer et al. 2008, Niklfeld 2016, Hohla 2018b, Leonhartsberger unpubl., Thalinger unpubl.
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
rel, esc	x?						Essl 2007a, 2008, Hohla et al. 2009, Essl & Follak 2010, Pflugbeil & Pilsl 2013, Pachschwöll et al. 2025, Pagitz unpubl.
rel, esc							Hohla 2018a, Observation International 2022
esc, sto							Pall et al. 2013, Pflugbeil & Pilsl 2013, Gilli & Niklfeld 2018, Forum Flora Austria 2022, Griebl unpubl.
esc							Neilreich 1846, Polatschek 2000, Fischer et al. 2008, Hohla et al. 2009, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
							Wallnöfer & Adler 2015
							Hanausek 1908, Janchen 1977, Walter et al. 2002, Pachschwöll et al. 2025
							Neilreich 1866, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla 2012b, 2018b, Amann 2016, Diran 2016, Pachschwöll et al. 2025
							Fritsch (jun.) 1931, Fischer et al. 2008
							Neilreich 1866
							Neilreich 1846, 1859, Neumayer 1930, Janchen & Neumayer 1942, Janchen 1956–1960, 1977, Walter et al. 2002
							Walter et al. 2002
rel, esc							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015
esc							Hamburger 1948, Polatschek 1997, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Essl & Follak 2010, Pagitz et al. 2023
esc							Hohla et al. 2015, Sauberer & Prinz unpubl.
							Hohla 2009
							Forstner & Hübl 1971, Walter et al. 2002, Diran 2016
							Melzer 1996b, Walter et al. 2002
							Spitaler & Zidorn 2005, Hohla et al. 2009, Fischer & Niklfeld 2011, Hohla 2014, Niklfeld 2016, Gilli & Niklfeld 2018, Zernig et al. 2019
							Forstner & Hübl 1971, Hohla et al. 2009, Amann 2016, Wittmann & Pflugbeil 2017, Englmaier & Wilhalm 2018, Gilli & Niklfeld 2018
							Hohla 2014, Zernig et al. 2015
esc, sto							Essl 2008, Hohla 2011c, Gilli et al. 2019b, Forum Flora Austria 2022, Nadler unpubl.
rel, esc	xx						Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, Pagitz et al. 2023
rel, esc							Schröck et al. 2004, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Sauberer et al. 2020
rel, esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Pagitz et al. unpubl.
esc							Schröck et al. 2004, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, NAGO 2022, Stöhr unpubl.
esc							Melzer 1954, Leute 1973, Walter et al. 2002, Hohla et al. 2009
esc							Amann 2016
esc							Kniely et al. 2006

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Potentilla indica	Rosac		x	e	e	e	e	e	e	e	e	c	e	e	x	x	x					x		1918	Asi-Tem, Asi-Tro
Potentilla intermedia	Rosac			c		c	c		c	c	x		c	c								x		1946	Eur, Asi-Tem
Potentilla nepalensis	Rosac		x	c							c											x		1874	Asi-Tem, Asi-Tro
Primula ×*pruhonicensis*	Primu			c					c			c										x		2003	
Primula amoena	Primu		x	c							c											x		2003	Asi-Tem
Primula juliae	Primu			le							le										x			2006	Asi-Tem
Prunus armeniaca	Rosac	c		c	c	c	c		c	c	c		c									x			
Prunus cerasifera	Rosac		x	e	e?	e	e?	c	e	c	e?	c	c	e?		x						x		1971	Eur, Asi-Tem, Asi-Tro
Prunus cerasus s.str.	Rosac	c		le?		le?	c	c	c		c		c	c	x	x						x			
Prunus domestica subsp. *domestica*	Rosac	c		c	c	c		c	c	c		c	c	c								x			
Prunus domestica subsp. *insititia*	Rosac	c		e	c	e	c	c	c	c	c	c	c	c								x			
Prunus dulcis	Rosac	c		c	c	c	c															x		1968	
Prunus laurocerasus	Rosac			le	c	le?	le?	c	le	c	c	c	c	c	x	x								1999	Eur, Asi-Tem
Prunus persica	Rosac	c		c	c	c	c	c	c		c	c	c	c		x		x				x			
Prunus serotina	Rosac			e	e	e	e	e?	e	c	c	c	c		x	x						x		1984	NAm, SAm
Prunus virginiana	Rosac			c				c			c											x		2000	NAm
Psephellus dealbatus	Aster		x	c		c	c?															x		2019	Asi-Tem
Pseudofumaria alba	Papav			c		c	c	c	c	c												x		1908	Eur
Pseudofumaria lutea	Papav			e		e	le	e	e	le	e	le	c	e								x		1882	Eur
Pseudosasa japonica	Poace		x	c					c							x								2017	Asi-Tem
Pseudotsuga menziesii	Pinac			le	c	c	c		le	c		c	c		x		x					x		1960	NAm
Ptelea trifoliata	Rutac			c	?	c	c															x		1890	NAm
Pteris multifida	Pteri			c			c															x		1921	NAm, SAm
Pterocarya fraxinifolia	Jugla			c		c	c				c					x								2005	Asi-Tem
Punica granatum	Lythr		x	c			c															x		2022	Asi-Tem, Asi-Tro
Puschkinia scilloides	Aspar			c		c	c	c	c		c	c	c									x		1994	Asi-Tem
Pyracantha coccinea	Rosac			le	c	c	le		c		c	c				x				x		x		1971	Eur, Asi-Tem
Pyrus austriaca	Rosac		x	c	c	c		c							x	x								1977	
Pyrus communis s.str.	Rosac	c		c	c	c	c	c	c	c	c	c	c	c		x									
Quercus frainetto	Fagac			c			c															x		2006	Eur, Asi-Tem
Quercus rubra	Fagac			le	c	le	c	c	c	c	c	c	c	c	x									1951	NAm
Ranunculus pedatus	Ranun			c			c		x													x		1971	Eur, Asi-Tem
Raphanus sativus	Brass	c		c	c	c	c	c	c	c	c	c	c	c								x	x		
Rapistrum rugosum	Brass	t	x	le	le	c	c	c	c	c	c	c	c	c								x	x	1911	Eur, Afr, Asi-Tem
Reseda alba	Resed			c				c			c											x		1954	Eur, Afr, Asi-Tem
Reseda odorata	Resed			c			c		c	c	c											x		1960	Eur, Afr

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc	x?						Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Amann 2016
esc							Adler et al. 2008, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013
esc							Pflugbeil & Pilsl 2013
esc							Hohla 2006c, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013
esc							Stöhr et al. 2007
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
							Forstner & Hübl 1971, Polatschek 2000, Walter et al. 2002, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016
esc							Hamburger 1948, Polatschek 2000, Walter et al. 2002, Stöhr et al. 2009, Pflugbeil & Pilsl 2013, Hohla 2014, Amann 2016
esc							Polatschek 2000, Walter et al. 2002, Hohla et al. 2009, Amann 2016
esc							Walter et al. 2002, Adler & Mrkvicka 2003b, Hohla et al. 2009, Sauberer & Till 2015, Amann 2016
esc							Walter et al. 2002, Adler & Mrkvicka 2003a, Essl 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Leonhartsberger 2018, Pachschwöll et al. 2025, Pagitz unpubl., Stöhr unpubl.
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Forum Flora Austria 2022, Leonhartsberger unpubl., Pagitz unpubl., Stöhr unpubl.
rel, esc	x						Walter et al. 2002, Pagitz 2004, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Pagitz unpubl.
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013
esc							Gilli et al. 2020, Herbarium WU 2022, iNaturalist 2022, Timaeus unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002, Hohla 2014, Zernig et al. 2020, Herbarium WU 2022, JACQ 2022
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. unpubl., Stöhr unpubl.
esc							Hohla 2018a
rel, esc	x						Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023
							Fischer et al. 2008
							Neumayer 1922, Forstner & Hübl 1971, Stöhr et al. 2021
esc							Hohla et al. 2005a, Essl & Stöhr 2006, Pflugbeil & Moosbrugger 2016, Vitek et al. 2021
							iNaturalist 2022, Pachschwöll et al. 2025
esc							Walter et al. 2002, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Gilli et al. 2020
esc							Fischer et al. 2008, Hohla 2011b, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, Pagitz et al. 2023, Barta unpubl.
esc							Király 2000, Fischer et al. 2008
esc							Walter et al. 2002, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
esc							Schinninger 2008, Schinninger & Rožánek 2008
rel, esc	(x)						Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011 unpubl., Pflugbeil & Pilsl 2013, Amann 2016, Essl unpubl., Pagitz unpubl.
							Walter et al. 2002, Hohla et al. 2009
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Hayek 1908–1956, Polatschek 1999, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Raabe & Gilli unpubl.
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013

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Reynoutria ×bohemica	Polyg			e	e	e	e	e	e	e	e	le	e		x	x	x	x		x		x		1997	
Reynoutria japonica s.str.	Polyg			e	e	e	e	e	e	e	e	e	e	e	x	x	x	x				x		1891	Asi-Tem
Reynoutria sachalinensis	Polyg			e	e	e	c	e	e	e	e	e	e	le	x		x	x		x		x		1961	Asi-Tem
Rhagadiolus edulis	Aster			c						c												x		1992	Eur, Afr, Asi-Tem
Rhaponticum repens	Aster			c			c															x		1946	Eur, Asi-Tem, Asi-Tro
Rheum ×rhabarbarum	Polyg	c		c		c	c		c	c	c	c	c									x		1971	
Rheum palmatum	Polyg		x	c		c				c	c											x		1975	Asi-Tem
Rhododendron catawbiense	Erica		x	c								c								x				2018	NAm
Rhododendron japonicum	Erica			le					le													x		1983	Asi-Tem
Rhododendron luteum	Erica			le		le		le		le						x								1960	Eur, Asi-Tem
Rhododendron ponticum	Erica			le		c			le		c											x		1983	Eur, Asi-Tem
Rhodotypos scandens	Rosac		x	le	le	le	c									x						x		2011	Asi-Tem
Rhus ×pulvinata	Anaca		x	c							c											x		2002	
Rhus typhina	Anaca			le	c	le	c	le	le	c	le	c	c	c	x	x						x		1859	NAm
Ribes aureum agg.	Gross	a, c	x	c	c	c	c				c					x						x		1942	NAm
Ribes multiflorum	Gross		x	c	c	c			c		c											x		2004	Eur, Asi-Tem
Ribes nigrum	Gross	a, c		e	c	c	c	c	le	c	le	e	e	le	x	x						x		1859	Eur, Asi-Tem
Ribes rubrum s.str.	Gross	a, c	x	e	le	le	c	le	e	le	e	e	e	e	x	x				x				1963	Eur
Ribes sanguineum	Gross		x	c		c					c		c			x						x		2002	NAm
Ribes spicatum	Gross			le		c	c		le		c	le		?	x	x								1971	Eur, Asi-Tem
Ricinus communis	Eupho			c	c	c	c	c	c		c											x		1971	Afr
Ridolfia segetum	Apiac			c				c														x		1954	Eur, Afr, Asi-Tem
Robinia pseudoacacia	Fabac			e	e	e	e	e	e	e	e	e	e	e	x	x	x	x			x	x		1850	NAm
Robinia viscosa	Fabac			c				c		c	c					x						x		1992	NAm
Rodgersia pinnata	Saxif		x	c							c											x		2003	Asi-Tem
Roemeria refracta	Papav			c			c	?														x		1971	Asi-Tem
Rorippa lippizensis	Brass			c						c												x		1938	Eur
Rorippa pyrenaica	Brass			c						c								x				x		1992	Eur
Rosa ×damascena	Rosac		x	c							c											x		2003	
Rosa ×francofurtana	Rosac			c		c	c		c	c			c									x		1859	
Rosa acicularis	Rosac			c				c														x		1960	Eur, Asi-Tem, NAm
Rosa alba	Rosac			c		c	c		c	c												x		1960	Eur
Rosa altaica	Rosac			c		c	c		c							x						x		2003	Asi-Tem
Rosa blanda	Rosac			c		c	c															x		1960	NAm
Rosa centifolia	Rosac		x	c					c													x		1844	
Rosa chinensis	Rosac			c			c															x		1971	Asi-Tem
Rosa foetida	Rosac			c	c	c				c												x		1960	Asi-Tem, Asi-Tro
Rosa hugonis	Rosac		x	c							c											x		2002	Asi-Tem
Rosa multiflora	Rosac			e	c	e	e	e	e	c	e?	c	e	c		x		x		x		x		1985	Asi-Tem
Rosa nitida	Rosac		x	c							c											x		2002	NAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
cor, hyb	xx		x	xx			Essl 2008, Fischer et al. 2008, Stöhr 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, cor	xx		x	xx			Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc, cor	xx		x	xx			Forstner & Hübl 1971, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Walter et al. 2002
							Forstner & Hübl 1971, Walter et al. 2002
esc							Walter et al. 2002, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Stöhr et al. 2012, Niklfeld & Schratt-Ehrendorfer 2022
esc							Forum Flora Austria 2022, Stöhr unpubl.
esc							Krisai & Schmidt 1983, Hohla et al. 2009
esc							Fischer et al. 2008
esc							Krisai & Schmidt 1983, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Essl 2019a, Forum Flora Austria 2022, Pachschwöll et al. 2025
esc							Pflugbeil & Pilsl 2013
esc							Adler & Mrkvicka 2003b, Pagitz & Lechner Pagitz 2005, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Zernig et al. 2015
							Janchen 1977, Fischer et al. 2008, Pflugbeil & Pilsl 2013
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013, Hohla 2018b, Pachschwöll et al. 2025, Essl unpubl.
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
esc							Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Essl unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Walter et al. 2002
rel, cor	esc,	xx		xx			Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Kniely et al. 2006, Fischer et al. 2008, Pflugbeil & Pilsl 2013
							Pflugbeil & Pilsl 2013
							Walter et al. 2002
							Walter et al. 2002
							Hartl et al. 1992
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Adler & Mrkvicka 2003b, Hohla et al. 2009
esc							Walter et al. 2002
esc							Walter et al. 2002, Adler & Mrkvicka 2003a, Hohla et al. 2009
esc							Adler & Mrkvicka 2003a, ZoBoDat 2022, Kleesadl unpubl., Sauberer unpubl.
esc							Walter et al. 2002
esc							Hohla et al. 2009
esc							Walter et al. 2002
esc							Walter et al. 2002
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Rosa rugosa	Rosac			c	c	c	c	c	c		c	c	c	c		x						x		1960	Asi-Tem
Rosa virginiana	Rosac			c		c					c	c		c								x		1960	NAm
Rostraria cristata	Poace			c			c	c				c										x		1882	Eur, Afr, Asi-Tem, Asi-Tro
Rubia tinctorum	Rubia			c		c																x		1960	Eur, Asi-Tem, Asi-Tro
Rubus allegheniensis	Rosac		x	le					x	le						x								2020	NAm
Rubus armeniacus	Rosac			e	e	e	e	le	e	le	e	le	e	e	x	x						x		1971	Eur, Asi-Tem
Rubus canadensis	Rosac		x	le					le							x								2019	NAm
Rubus illecebrosus	Rosac		x	c									c									x		1930	Asi-Tem
Rubus laciniatus	Rosac			e	le	e	e	c	e	c	e?	c	e	le		x	x					x		1994	Eur
Rubus occidentalis	Rosac			c			c	c														x		1945	NAm
Rubus odoratus	Rosac			c			c	c	c	c	c	c	c									x		1932	NAm
Rubus parviflorus	Rosac		x	le?		c		le?								x						x		2008	NAm
Rubus phoenicolasius	Rosac			e	le	c	c	e	c	le	c	c	e	le	x							x		1923	Asi-Tem
Rubus ulmifolius	Rosac			c			c						c									x		1977	Eur, Afr
Rudbeckia fulgida	Aster			le		c	c	c	c	c	c	c	le	c								x		1971	NAm
Rudbeckia hirta	Aster			e?	c	e?	c	e?	e?	e?	e?	c	c	e?		x		x		x		x		1919	NAm
Rudbeckia laciniata	Aster			e	e	e	e	e	e	e	c	c	le	e	x	x	x	x		x		x		1830	NAm
Rudbeckia triloba	Aster			c		c	c	c	c	c	c											x		1971	NAm
Rumex brownii	Polyg			c			c															x		1971	Aus
Rumex bucephalophorus	Polyg			c			c	c														x		1948	Eur, Afr, Asi-Tem
Rumex confertus	Polyg			c	c	c	c	c		c												x		1949	Eur, Asi-Tem
Rumex confertus × *R. crispus*	Polyg			c			c															x		1949	
Rumex confertus × *R. patientia* s.str.	Polyg		x	c	c																	x		2005	
Rumex crispus × *R. cristatus*	Polyg		x	c			c															x		2017	
Rumex cristatus	Polyg			c		c	c	?		?												x		1946	Eur, Asi-Tem
Rumex cristatus × *R. patientia* s.str.	Polyg		x	c		c	c															x		1946	
Rumex kerneri	Polyg			le?	c	le?	c	c	le?	le?												x		1929	Eur
Rumex kerneri × *R. patientia* s.str.	Polyg		x	c		c																x		2005	
Rumex longifolius	Polyg			e				c	c		c	c	e				x					x		1972	Eur, Asi-Tem
Rumex patientia subsp. *orientalis*	Polyg			c	c	c	c					c	c									x		1966	Eur, Asi-Tem
Rumex pulcher subsp. *divaricatus*	Polyg			c			c															x		1971	Eur, Afr, Asi-Tem
Rumex pulcher subsp. *pulcher*	Polyg			c		c	c	c		c												x		1915	Eur, Afr, Asi-Tem
Rumex rugosus	Polyg		x	c		c			c													x		2012	Eur

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013, Amann 2016
							Forstner & Hübl 1971, Fischer et al. 2008, Pagitz et al. 2023
							Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. unpubl.
	(x)						Fischer et al. 2008, Pagitz 2013, Pflugbeil & Pilsl 2013, Sauberer & Till 2015, Amann 2016, Pagitz et al. 2019a, Király unpubl.
							Pagitz unpubl.
							Niklfeld & Schratt-Ehrendorfer 2022, Ortner unpubl.
esc							Fischer et al. 2008, Essl & Follak 2010, Pflugbeil & Pilsl 2013, Sauberer & Till 2015, Pagitz 2016, Pagitz et al. 2019a,b, Barta unpubl.
							Forstner & Hübl 1971, Fischer et al. 2008, Pagitz et al. 2019b
esc							Fischer et al. 2008, Hohla 2012b, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz et al. 2019a,b, Pagitz et al. 2020
							Fischer et al. 2008, Pagitz et al. 2016, 2019, Gilli et al. 2021
esc							Hamburger 1948, Traxler 1975, Pagitz 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2016, 2019a,b, 2020, 2023, Király unpubl.
							Walter et al. 2002, Pagitz 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Melzer unpubl.
esc							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc	xx						Forstner & Hübl 1971, Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013, Amann 2016
esc							Fischer et al. 2008, Hohla 2011a, Pflugbeil & Pilsl 2013, Sauberer & Till 2015
							Forstner & Hübl 1971, Walter et al. 2002
							Melzer 1954, Walter et al. 2002, Stöhr et al. 2009
							Rechinger 1950, Fischer et al. 2008, Barta unpubl.
							Rechinger 1950, Walter et al. 2002
							Barta unpubl.
							Barta unpubl.
							Rechinger 1950, Walter et al. 2002, Adler & Mrkvicka 2006, Fischer et al. 2008
							Rechinger 1950, Walter et al. 2002, Barta unpubl.
							Forstner & Hübl 1971, Melzer 1995, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009
							Barta unpubl.
							Polatschek 2000, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz et al. unpubl.
							Janchen 1966, Melzer & Barta 2008, JACQ 2022, Barta unpubl., Pagitz unpubl.
							Forstner & Hübl 1971, Walter et al. 2002
							Janchen 1956–1960, Fischer et al. 2008
							Hohla 2013, Gilli unpubl.

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Rumex thyrsiflorus	Polyg		x	e	e	e	e	e	e	e	c	c	c					x				x		1800	Eur, Asi-Tem
Rumex triangulivalvis	Polyg			c		c	c	c	c					c								x		1949	NAm
Ruta graveolens	Rutac			c	c	c	c	c	c	c	c	c		c								x		1859	Eur
Sabulina tenuifolia	Caryo			le		c			c		le			c								x		1960	Eur, Afr, Asi-Tem, Asi-Tro
Sagittaria latifolia	Alism			e	c?			c	c	c	c		e						x					1968	NAm, SAm
Saintpaulia ionantha	Gesne			c							c											x		2002	Afr
Salix ×holosericea	Salic	t		c		c		?	c		c					x								1956	
Salix ×pendulina	Salic			c						c												x		1960	
Salix ×sepulcralis	Salic		x	c							c	c										x		1993	
Salix babylonica	Salic		x	c			c		c		c					x						x		2013	Asi-Tem
Salix udensis	Salic		x	c					c		c	c										x		2019	Asi-Tem
Salpiglossis sinuata	Solan		x	c							c											x		2006	SAm
Salvia farinacea	Lamia			c		c																x		1988	NAm
Salvia hispanica	Lamia		x	c		c	c		c		c	c	c									x		2014	NAm, SAm
Salvia officinalis	Lamia	a		c	c				c		c	c	c	c								x			Eur
Salvia reflexa	Lamia			c				c					?									x		1912	NAm
Salvia sclarea	Lamia			c	c	c	c		c			c										x		1960	Eur, Afr, Asi-Tem
Salvia splendens	Lamia		x	c		c																x		1988	SAm
Salvia viridis	Lamia			c							c		c	c								x		1914	Eur, Afr, Asi-Tem
Salvinia molesta[EU]	Salvi			c			c	c											x					1958	
Salvinia natans	Salvi			le		le	le			c									x					1966	NAm, SAm
Sanguisorba dodecandra	Rosac			c		c																x		1920	Eur
Santolina chamaecyparissus	Aster		x	le			c	le														x		2013	Eur
Satureja hortensis	Lamia			le?	c	c	c	c	le?	c	le?	c	c	c							x	x		1859	Eur, Asi-Tem, Asi-Tro
Satureja montana s.str.	Lamia			c	c	c	c	c	x	c	c	c	c	c								x		1973	Eur, Asi-Tem
Saxifraga ×arendsii	Saxif			c					c		c										x	x		1989	
Saxifraga ×geum	Saxif			le		c		c	le		c		c	c			x				x	x		1843	
Saxifraga ×urbium	Saxif			e					e								x				x			1845	
Saxifraga stolonifera	Saxif			c							c											x		1993	Asi-Tem
Schizanthus pinnatus	Solan			c			c															x		1971	SAm
Scilla forbesii	Aspar		x	c									c									x		2012	Asi-Tem
Scilla luciliae s.str.	Aspar		x	le		c	c	le	c		c	c										x		1976	Asi-Tem
Scilla sardensis	Aspar			c		c	c	c	c		c											x		1988	Eur, Asi-Tem
Scilla siehei	Aspar			le	c	c	c		le		c	c	c		x	x	x			x		x		1999	Asi-Tem
Scilla tmoli	Aspar			c					c													x		2003	Asi-Tem
Scirpus atrovirens	Cyper		x	e									e									x		2022	NAm
Scirpus georgianus	Cyper		x	e						e			le					x						1986	NAm
Scolymus hispanicus	Aster			c			c															x		1797	Eur, Afr, Asi-Tem
Scopolia carniolica	Solan		x	le		c	c	le	x	x						x	x							1890	Eur, Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Janchen 1956–1960, Fischer et al. 2008, Hohla et al. 2009, Wittmann & Pflugbeil 2017, Pagitz unpubl., Stöhr unpubl.
							Rechinger 1950, Fischer et al. 2008, Hohla et al. 2009, Fischer & Niklfeld 2011, Polatschek & Neuner 2013
esc							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Pachschwöll et al. 2025
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Smettan 2012, Pflugbeil & Pilsl 2013, Hohla et al. 2015, Niklfeld 2016, Zernig et al. 2018, Pagitz et al. 2023, Barta unpubl.
esc							Pflugbeil & Pilsl 2013
esc							Hayek 1908–1956, Stöhr et al. 2006, Hohla et al. 2009, Niklfeld & Schratt-Ehrendorfer 2022
esc							Hartl et al. 1992
esc							Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Gilli et al. 2020, 2021
							Forum Flora Austria 2022, ZoBoDat 2022, Hohla unpubl., Stöhr unpubl.
esc							Wittmann & Pflugbeil 2017
esc							Melzer & Barta 2008
esc							Sauberer & Till 2015, Hohla 2016, Forum Flora Austria 2022, JACQ 2022, Gilli unpubl., Stöhr unpubl.
esc							Walter et al. 2002, Hohla 2011b, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
esc							Walter et al. 2002, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009, Pagitz et al. 2023
esc							Melzer & Barta 2008
esc							Murr 1923, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016, Eichberger et al. 2021a
esc, sto							Melzer 1962a, Stöhr et al. 2021
esc, sto							Neumayer 1922, Janchen 1966, Leute et al. 1975, Stöhr et al. 2021, Gilli unpubl.
							Janchen 1977, Walter et al. 2002
							Niklfeld & Schratt-Ehrendorfer 2022, JACQ 2022, Leonhartsberger unpubl.
esc							Neilreich 1859, Polatschek 2000, Walter et al. 2002, Adler & Mrkvicka 2003b, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Vitek et al. 2021, Niklfeld & Schratt-Ehrendorfer 2022
esc							Essl 1999, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Essl 2004b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Essl 2004b, Hohla et al. 2009
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013
esc							Forstner & Hübl 1971, Walter et al. 2002
esc							Smettan 2012
esc							Speta 1976, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Niklfeld & Schratt-Ehrendorfer 2022, Stöhr unpubl.
esc							Melzer 1988b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Stöhr 2011, Pflugbeil & Pilsl 2013
esc							Hohla 2006c, Hohla et al. 2009
							Pagitz et al. 2023
							Niklfeld 2015
							Host 1797, Schultes 1814, Neilreich 1846, 1859, Walter et al. 2002
							Walz 1890, Janchen 1977, Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Haindrich unpubl.

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Scrophularia canina subsp. *canina*	Scrop		x	le		le	c			x												x		1890	Eur, Afr, Asi-Tem
Scutellaria altissima	Lamia			le	le	le	le	le	le						x									1891	Eur, Asi-Tem
Secale cereale	Poace	c		c	c	c	c	c	c	c	c	c	c	c								x			
Sedum pallidum	Crass		x	le					le		c											x		1996	Eur, Asi-Tem
Sedum sarmentosum	Crass			le	c	c	c	c	c	c	le	c										x		1947	Asi-Tem, Asi-Tro
Sedum sediforme	Crass		x	c						c												x		1982	Eur, Afr, Asi-Tem
Selinum silaifolium	Apiac		x	c			c															x		2019	Eur, Asi-Tem
Sempervivum arachnoideum subsp. *tomentosum*	Crass		x	c		c															x			2016	Eur
Sempervivum arachnoideum subsp. *tomentosum* × *S. tectorum*	Crass		x	c		c															x			2016	
Sempervivum marmoreum	Crass		x	c					c													x		2011	Eur
Senecio cineraria	Aster		x	c		c	c		c													x		2003	Eur, Afr, Asi-Tem
Senecio inaequidens	Aster			e	e	e	e	e	e	e	e	c	e	e			x	x				x		1984	Afr
Senecio vernalis	Aster			e	e	e	e	c	le	c	c	c	e					x				x		1870	Eur, Asi-Tem
Senecio vernalis × *S. vulgaris*	Aster		x	c							c											x		2021	
Seseli campestre	Apiac			le		le	le															x		1970	Eur, Asi-Tem
Setaria faberi	Poace			e	e	c	c	e	e	e	e?	c	c	c								x	x	1980	Asi-Tem
Setaria grisebachii	Poace			c			c															x		1999	NAm, SAm
Setaria italica	Poace	c		c	c	c	c	c	c	c	c	c	c	c								x			
Setaria parviflora	Poace			c			c															x		2001	NAm, SAm
Setaria viridis var. *major*	Poace	c		e	c	c	c	c	le	c	c		e	c								x	x	1981	
Setaria viridis var. *weinmannii*	Poace	c	x	le					le		c		c									x		1999	
Shinnersia rivularis	Aster			le						le									x					2000	NAm
Sicyos angulatus	Cucur			le	?	le	c	c	c	le	c		?	c			x							1859	NAm
Sida hermaphrodita	Malva		x	le		le																x		2017	NAm
Sida spinosa	Malva			c										c								x		1909	Afr, Asi-Tro, NAm, SAm
Sigesbeckia serrata	Aster			c				c														x		1906	SAm
Silene bupleuroides	Caryo			c				c														x		1884	Eur, Asi-Tem
Silene conoidea	Caryo			c	c	c	c	c	c													x		1954	Eur, Afr, Asi-Tem, Asi-Tro
Silene cretica	Caryo			c				c														x		1960	Eur, Asi-Tem
Silene csereii	Caryo			c	c		c															x		1946	Eur, Asi-Tem
Silene dichotoma	Caryo			e	e?	e	e?	c	c	c	c	c	c	c				x				x		1842	Eur, Asi-Tem
Silene flavescens	Caryo			le		le															x			1999	Eur
Silene latifolia subsp. *latifolia*	Caryo			c			c						c									x		1960	Eur, Afr, Asi-Tem
Silene muscipula	Caryo			c				c														x		1948	Eur, Afr, Asi-Tem
Silene pendula	Caryo			c			c	c														x		1859	Eur, Asi-Tem

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							Janchen 1977, Hartl et al. 1992, Fischer et al. 2008
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Leonhartsberger 2015
esc, sto							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Hohla 2018b, Kleesadl & Schröck 2021, Pilsl unpubl.
esc							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Gilli et al. 2019b, Pagitz et al. 2023
esc							Hartl et al. 1992, Niklfeld & Schratt-Ehrendorfer 2022
							Gilli et al. 2020
esc							Gilli et al. 2019b
esc							Gilli et al. 2019b
esc							Hohla 2011b
							Hohla 2009, Vitek et al. 2021, Gilli unpubl.
cor	x?						Polatschek 1984, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Stöhr & Brandes 2014, Leonhartsberger 2015, Amann 2016
							Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz unpubl.
							JACQ 2022
							Adler & Mrkvicka 2003b, Fischer et al. 2008
con, sto							Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016, Gilli et al. 2019b, Pagitz et al. 2023
							Walter et al. 2002
con, sto							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Walter et al. 2002
		x?					Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, Pagitz unpubl.
		x?					Hohla et al. 2000, 2009, Stöhr et al. 2009, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002
		x?					Neilreich 1859, Erdinger 1872, Adler & Mrkvicka 2003b, Follak 2010, Pagitz et al. 2023
esc							Gilli et al. 2020
							Amann 2016
							Hamburger 1948, Walter et al. 2002
							Hamburger 1948, Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009, Vitek et al. 2021
							Walter et al. 2002
							Forstner & Hübl 1971, Wallnöfer et al. 2012
							Dolliner 1842, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Zernig et al. 2018
rel							Fischer & Niklfeld 2001, Fischer 2001
							Walter et al. 2002, Barta unpubl.
							Melzer 1954, Walter et al. 2002
							Walter et al. 2002, Adler & Mrkvicka 2003b

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Silene schafta	Caryo		x	c							c											x		2016	Asi-Tem
Silphium perfoliatum	Aster			c		c		c			c						x					x	x	1960	NAm
Silybum marianum	Aster			c	c	c	c	c	c	c	c	c	c	c								x	x	1859	Eur, Afr, Asi-Tem, Asi-Tro
Sinacalia tangutica	Aster			le		le		c					c			x	x							1972	Asi-Tem
Sinapis alba subsp. *alba*	Brass	a, c		c	c	c	c	c	c	c	c	c	c	c				x				x	x	1756	
Sinapis alba subsp. *dissecta*	Brass			c				c					c									x	x	1909	Eur, Afr
Sisymbrium pallescens	Brass		x	e									e							x		x		1999	Eur
Sisymbrium volgense	Brass			c		c	c															x		1966	Eur
Sisyrinchium montanum	Irida		x	e	c	le		e	c	e	le	c	e	e				x				x		1894	NAm
Smallanthus sonchifolius	Aster		x	c				c														x		2017	SAm
Smyrnium perfoliatum	Apiac			le	le	c	le	c	c	c	c					x		x						1911	Eur, Asi-Tem
Solanum abutiloides	Solan		x	c					c													x		2018	SAm
Solanum capsicoides	Solan			c										c								x		1907	SAm
Solanum carolinense	Solan		x	e		c		e	c	e				c									x	1998	NAm
Solanum laciniatum	Solan		x	c							c											x		2021	Aus
Solanum laxum	Solan			c			c															x		1924	SAm
Solanum lycopersicum	Solan	c		c	c	c	c	c	c	c	c	c	c	c								x	x		SAm
Solanum mammosum	Solan			c										c								x		1929	NAm, SAm
Solanum melongena	Solan	c		c	?					c												x			Asi-Tro
Solanum nitidibaccatum	Solan			c	c	c	c	c														x	x	1977	SAm
Solanum pimpinellifolium	Solan		x	c		c	c		c													x		2012	SAm
Solanum pseudocapsicum	Solan			c			c				c											x	x	1992	NAm, SAm
Solanum retroflexum	Solan		x	c		c								c								x		1918	Afr
Solanum rostratum	Solan			c		c	c						c									x		1960	NAm
Solanum sisymbriifolium	Solan			c		c	c		c				c									x		1968	SAm
Solanum triflorum	Solan			c		c	c															x		1971	NAm, SAm
Solanum tuberosum	Solan			c	c	c	c	c	c	c	c	c	c	c								x	x	1912	SAm
Soleirolia soleirolii	Urtic			c			c		c		c											x		1963	Eur
Solidago canadensis	Aster			e	e	e	e	e	e	e	e	e	e	e			x	x				x		1838	NAm
Solidago canadensis × *S. virgaurea*	Aster			e				c	c	e		e	e				x	x				x		1905	
Solidago gigantea	Aster			e	e	e	e	e	e	e	e	e	e	e	x	x	x	x				x		1857	NAm
Solidago gigantea × *S. virgaurea*	Aster		x	c						c							x	x					x	1985	
Solidago rugosa	Aster		x	c										c								x		2016	NAm
Sonchus tenerrimus	Aster		x	c			c															x		2006	Eur, Afr, Asi-Tem
Sorbaria kirilowii	Rosac		x	c							c		x									x		2002	Asi-Tem
Sorbaria sorbifolia	Rosac			c	c		c	c	c	c	c	c	c		x	x				x		x		1960	Asi-Tem
Sorbaria tomentosa	Rosac			c			c															x		1966	Asi-Tem, Asi-Tro
Sorbus intermedia	Rosac			c		c	c		c		c					x				x		x		1971	Eur
Sorghastrum nutans	Poace		x	c					c													x		2020	NAm
Sorghum bicolor	Poace			c	?	c	c	c	c	c	c	c	c	c								x	x	1923	Afr

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Gilli et al. 2021
esc							Fischer et al. 2008, Eichberger et al. 2021b, Gilli et al. 2021
esc							Neilreich 1859, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Zernig et al. 2018
esc, sto							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Kögeler 1951, Fischer et al. 2008
							Polatschek 2015
							Fischer et al. 2008
							Beck 1894, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Smettan 2012, Pflugbeil & Pilsl 2013, Amann 2016
							Forum Flora Austria 2022, JACQ 2022, Heimel unpubl., Leonhartsberger & Wendelin unpubl.
							Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Niklfeld 2016, JACQ 2022
esc							Hohla 2018b
							Amann 2016
		(x)					Follak 2020, Amann unpubl., Barta unpubl.
							Pflugbeil unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002
esc							Neilreich 1859, Adler & Mrkvicka 2003b, Pagitz & Lechner Pagitz 2005, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Amann 2016
esc							Fischer et al. 2008, Gilli unpubl.
							Adler & Mrkvicka 2006, Fischer et al. 2008
							Knapp 2018, Hohla et al. 2019, Sauberer et al. 2020
esc							Pflugbeil & Pilsl 2013, Vitek et al. 2021
esc							Essl 2005, Amann 2016
							Fischer et al. 2008
							Forstner & Hübl 1971, Hohla 2012b, Gilli et al. 2019b, Thalinger unpubl.
							Forstner & Hübl 1971, Bernhardt et al. 2013, Knapp 2018
esc							Walter et al. 2002, Hohla et al. 2009, Stöhr 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
							Walter et al. 2002, Kleesadl 2017, Observation International 2022, Pachschwöll et al. 2025
esc, cor		xx	x?				Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, cor		x?					Khek 1905, Walter et al. 2002, Pagitz & Lechner-Pagitz 2015, Forum Flora Austria 2022, Pagitz et al. 2023, Stöhr unpubl.
esc, cor		xx		x			Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc, cor							Melzer 1985
esc, cor							Amann 2016, Grabher 2017
							Adler et al. 2008
esc							Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Leonhartsberger 2015, Hohla 2018b, Hohla et al. 2019, Pagitz et al. 2023
esc							Fischer et al. 2008
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Hohla 2021
esc, con, sto							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Pagitz et al. 2023, Gilli unpubl.

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Sorghum bicolor × *S. drummondii*	Poace		x	c					c													x	x	2014	
Sorghum halepense	Poace			e	e	e	e	e	e	c	e?	c	e	c		x		x		x		x	x	1859	Afr, Asi-Tem, Asi-Tro
Spartium junceum	Fabac			c	c	c	c	c			x										x	x		1960	Eur, Afr, Asi-Tem
Spinacia oleracea	Amara	a		c		c	c	c	c	c	c		c	c								x	x	1859	Asi-Tem
Spiraea ×*billardii*	Rosac			c		c		c	c		c	c	e	c		x				x		x		1975	
Spiraea ×*brachybotrys*	Rosac			le				le														x		2004	
Spiraea ×*cinerea*	Rosac		x	c	c				c		?	c				x								2010	
Spiraea ×*inflexa*	Rosac		x	c										c								x		1987	
Spiraea ×*multiflora*	Rosac		x	c							c											x		2002	
Spiraea ×*vanhouttei*	Rosac			c		c	c		c	c	c	c	c	c		x						x		1974	
Spiraea alba	Rosac			c					c	c	c	c								x				1992	NAm
Spiraea betulifolia	Rosac		x	c								c										x		2018	Asi-Tem
Spiraea douglasii	Rosac			c	c				c	c			c	c		x						x		1960	NAm
Spiraea japonica	Rosac			e	c	c	c	c	le	le	le	c	e	le	x		x					x		1910	Asi-Tem
Spiraea latifolia	Rosac		x	c					c													x		2012	NAm
Spiraea nipponica	Rosac		x	c					c		c	c				x						x		2004	Asi-Tem
Spiraea prunifolia	Rosac			c	c																	x		1974	Asi-Tem
Spiraea thunbergii	Rosac		x	c							c											x		2002	Asi-Tem
Spiraea trilobata	Rosac		x	c							c											x		1879	Asi-Tem
Sporobolus cryptandrus	Poace			c									e									x		1998	NAm, SAm
Sporobolus indicus	Poace		x	c			c				c											x		2013	NAm, SAm
Sporobolus michauxianus	Poace		x	c					c													x		2020	NAm
Sporobolus neglectus	Poace			e		c		c	c	e	e?	c	e	c								x		1994	NAm
Sporobolus vaginiflorus	Poace			e	e?			c	c	e	e?	c	e	c								x		2002	NAm
Stachys arvensis	Lamia	a		c		c			x					?									x	1756	Eur, Afr, Asi-Tem
Stachys byzantina	Lamia			c	c	c	c	c	c		c	c	c									x		1960	Eur, Asi-Tem
Staphylea colchica	Staph		x	le				le								x								2020	Asi-Tem
Stenotaphrum secundatum	Poace		x	c					c													x		2015	Afr, NAm, SAm
Strigosella africana	Brass			le	c	le	c	c		c												x		1890	Eur, Afr, Asi-Tem, Asi-Tro
Styphnolobium japonicum	Fabac			c			c															x		1960	Asi-Tem
Symphoricarpos ×*chenaultii*	Capri			c		c			c		c	c				x	x	x				x		2003	
Symphoricarpos albus subsp. *laevigatus*	Capri			e	c	c	c	c	e	c	e	c	c	e	x	x				x		x		1960	NAm
Symphoricarpos orbiculatus	Capri			c		c	c				c											x		1971	NAm
Symphyotrichum ×*salignum*	Aster			e	?	le	c	c	le	c	le		e	le	x		x					x		1859	
Symphyotrichum ×*versicolor*	Aster			c			c	c	c	c	c	c	c	c			x					x		1915	

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Hohla 2014
con, cor	sto,	x?	(x)				Neilreich 1859, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Gilli et al. 2021
esc							Neilreich 1859, Walter et al. 2002, Adler & Mrkvicka 2003b, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Pagitz et al. 2023, Lefnaer unpubl.
esc							Kniely et al. 2006
esc							Hohla 2011a, Forum Flora Austria 2022, Pachschwöll et al. 2025, Stöhr unpubl.
esc							Dörr & Lippert 2004
esc							Pflugbeil & Pilsl 2013
esc							Stöhr et al. 2006, Fischer et al. 2008, Hohla 2011b, Pflugbeil & Pilsl 2013, Forum Flora Austria 2022, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Stöhr unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009
esc		x?					Essl & Stöhr 2006, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Amann 2016, Pagitz et al. 2023, Pachschwöll et al. 2025
esc							Hohla 2022
esc							Forum Flora Austria 2022, Hohla 2022, Pilsl unpubl., Stöhr unpubl.
esc							Walter et al. 2002
esc							Pflugbeil & Pilsl 2013
esc							Pflugbeil & Pilsl 2013
							Walter et al. 2002
							Eichberger et al. 2015, Niklfeld 2016
							Kleesadl & Schröck 2021
							Essl 2008, Pflugbeil & Pilsl 2013, Hohla 2014, 2018b, Pagitz & Lechner-Pagitz 2015, Zernig et al. 2018, Hohla et al. 2019, Pagitz et al. 2023
							Melzer 2003, Hohla et al. 2015, 2019, Pagitz & Lechner-Pagitz 2015, Hohla 2016, Gilli & Niklfeld 2018, Reich et al. 2018, Zernig et al. 2019, Pagitz et al. 2023
							Janchen 1977, Fischer et al. 2008, Hohla et al. 2009, Amann 2016
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Brandes 2015, Pagitz & Lechner-Pagitz 2015, Essl unpubl.
							Gilli et al. 2021
							Hohla et al. 2015
							Forstner & Hübl 1971, Fischer et al. 2008
esc							Fischer et al. 2008
esc							Hohla 2006c, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Lefnaer 2021, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Amann 2016
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013
esc							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Gilli unpubl.
							Hamburger 1948, Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Symphyotrichum ericoides	Aster		x	c							c											x		1940	NAm
Symphyotrichum laeve (incl. var. *concinnum*)	Aster			le	c	le	c	c	c	c	c	c	c	c			x	x				x		1895	NAm
Symphyotrichum lanceolatum	Aster			e	e	e	e	e	e	e	e	c	e	e								x		1859	NAm
Symphyotrichum novae-angliae	Aster			e	c	c	c	c	c	c	c	c	e									x	x	1967	NAm
Symphyotrichum novi-belgii s.str.	Aster			e	e	e	e	e	c	e	e	c	e	e								x		1859	NAm
Symphyotrichum pilosum	Aster			c				c														x		1968	NAm
Symphytum ×hidcotense	Borag		x	c										c								x		2013	
Symphytum ×uplandicum	Borag			c	c	c	c	c	c	c		c	c	c			x					x		1960	
Symphytum asperum s.str.	Borag			c				c		c	c	c			x							x		1973	Asi-Tem
Symphytum bulbosum	Borag		x	le?	le?											x								2011	Eur, Asi-Tem
Symphytum caucasicum	Borag		x	c	c	c		c	c		c	c										x		2007	Asi-Tem
Symphytum ibericum	Borag		x	c							c						x					x		2011	Asi-Tem
Syringa ×chinensis	Oleac			c		c																x		1960	
Syringa ×persica	Oleac			c		c	c															x		1859	
Syringa vulgaris	Oleac			e	e	e	e	le	c	le	e	le	e	c		x					x	x		1859	Eur
Tagetes erecta	Aster			c			c	c	c	c	c			?								x	x	1912	NAm, SAm
Tagetes minuta	Aster		x	c		c																x		2020	SAm
Tagetes patula	Aster			c	c	c	c	c	c	c	c	c	c									x		1891	NAm, SAm
Tagetes tenuifolia	Aster			c		c		c	c			c										x		1996	NAm, SAm
Talinum paniculatum	Talin		x	c		c																x		2018	NAm, SAm
Tamarix parviflora	Tamar			c	c	c	c		c													x		1971	Eur, Asi-Tem
Tamarix ramosissima	Tamar			c			c															x		1971	Eur, Asi-Tem, Asi-Tro
Tanacetum balSAmita	Aster			c	c	c	c	c	c	c	c?		c									x		1960	Asi-Tem
Tanacetum macrophyllum	Aster			c				c		c			c									x		1947	Eur, Asi-Tem
Tanacetum parthenium	Aster			e	e	e	e	e	e	e	e	c	c	e			x					x		1821	Eur, Asi-Tem
Taxodium distichum	Cupre		x	c							c											x		2002	NAm, SAm
Taxus ×media	Taxac		x	c		c	c		c	c	c	c	c		x	x						x		1950	
Telekia speciosa	Aster			e	le	le	c	e	e	e	e	c	le	le	x	x	x			x		x		1913	Eur, Asi-Tem
Teloxys aristata	Amara			c				c														x		1987	Asi-Tem
Tetragonia tetragonoides	Aizoa			c	c	c	c	c		c				c								x		1923	Asi-Tem, Aus
Teucrium hircanicum	Lamia		x	c		c			c		c											x		2008	Asi-Tem
Thladiantha calcarata	Cucur			c			c	c														x		1928	Asi-Tem, Asi-Tro
Thladiantha dubia	Cucur			le	le	c	c	le		le	c		le				x	x					x	1946	Asi-Tem
Thuja occidentalis	Cupre			le		c	le	c	c	c	le	c	le								x	x		1947	NAm
Thuja plicata	Cupre			c		c	c		c		c				x		x							1995	NAm
Thymus ×citriodorus	Lamia			c				c														x		1998	
Thymus drucei	Lamia		x	c					c													x		2012	Eur, NAm
Thymus vulgaris	Lamia			c		c	c		c			c	c									x	x	1859	Eur, Afr
Tilia ×euchlora	Malva		x	c							c											x		2009	
Tilia tomentosa	Malva			c			c				c											x		1971	Eur, Asi-Tem
Tolmiea menziesii	Saxif		x	c					c													x		2011	NAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Pflugbeil & Pilsl 2013
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc	xx						Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023, Pagitz et al. unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023, Stöhr unpubl.
esc	x						Neilreich 1859, Adler & Mrkvicka 2003b, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
							Melzer 1975, Walter et al. 2002
							Amann 2016
							Fischer et al. 2008, Hohla et al. 2009, Amann 2016
esc							Hartl et al. 1992, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Zernig et al. 2018
							Niklfeld 2015
							Hohla 2013, Pflugbeil & Pilsl 2013, Leonhartsberger 2018, Gilli et al. 2019b, Pachschwöll et al. 2025, Stöhr unpubl.
							Pflugbeil & Pilsl 2013
esc							Walter et al. 2002
esc							Neilreich 1859, Walter et al. 2002, Adler & Mrkvicka 2003a
esc	x?						Neilreich 1859, Erdinger 1872, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015, Pagitz et al. 2023
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Gilli et al. 2021
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Brandes 2015
esc							Melzer & Barta 2005, Fischer et al. 2008, Hohla 2011a, Pagitz et al. 2023
							Gilli et al. 2019b
esc							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2015, ZoBoDat 2022, Metlesics unpubl.
esc							Forstner & Hübl 1971, Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Hamburger 1948, Walter et al. 2002, Fischer et al. 2008, Kniely unpubl.
							Hamburger 1948, Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023
							Pflugbeil & Pilsl 2013
esc							Stöhr 2019, Schramayr unpubl.
rel, esc							Hamburger 1948, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli unpubl.
							Melzer 1988b
							Hamburger 1948, Fischer et al. 2008
							Hohla 2011a, Pflugbeil & Pilsl 2013, Gilli unpubl.
							Hamburger 1948, Walter et al. 2002
							Hamburger 1948, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Pagitz & Lechner-Pagitz 2015
rel, esc							Hamburger 1948, Walter et al. 2002, Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Essl & Follak 2010, Pflugbeil & Pilsl 2013, Pagitz et al. unpubl., Stöhr unpubl.
rel, esc							Fischer et al. 2008, Hohla et al. 2009, Essl & Follak 2010, Pflugbeil & Pilsl 2013
							Walter et al. 2002
							Hohla 2014
esc							Neilreich 1859, Walter et al. 2002, Adler & Mrkvicka 2003b, Hohla et al. 2009, Pagitz et al. 2023
							Stöhr et al. 2012, Pflugbeil & Pilsl 2013
esc							Walter et al. 2002, Pflugbeil & Pilsl 2013
esc							Hohla 2011b

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Torenia fournieri	Linde		x	c							c											x		2021	Asi-Tem, Asi-Tro
Torilis nodosa	Apiac			c	c	c	c	c														x		1954	Eur, Afr, Asi-Tem, Asi-Tro
Trachomitum venetum	Apocy		x	c		c																x		1992	Eur, Asi-Tem, Asi-Tro
Trachycarpus fortunei	Areca		x	c		c	c		c													x		1995	Asi-Tem, Asi-Tro
Trachyspermum ammi	Apiac		x	c							c											x		2022	Asi-Tem, Asi-Tro
Trachystemon orientalis	Borag		x	le		le	c				c				x									2004	Eur, Asi-Tem
Tradescantia ×*andersoniana*	Comme			c	c	c	c	c	c	c	c		c	c								x		1960	
Tradescantia virginiana	Comme	t		c									c												
Tragopogon minor	Aster		x	c		c	c		c		x											x		2002	Eur
Tragopogon orientalis × *T. porrifolius*	Aster			c	c					c												x		1940	
Tragopogon porrifolius subsp. *porrifolius*	Aster		x	c	?	c	c	c	c													x		1859	Eur, Afr, Asi-Tem
Tragopogon pratensis s.str.	Aster		x	c	c				c	c	c		c	c				x				x		1912	Eur, Asi-Tem
Tragus racemosus	Poace			e	e	e	e	c	c		c											x		1842	Eur, Afr, Asi-Tem, Asi-Tro
Tribulus terrestris	Zygop		x	c	c	c	c		c	c												x		1866	Eur, Afr, Asi-Tem, Asi-Tro, Aus
Trifolium alexandrinum	Fabac			c	c	c	c	c	c	c	c	c	c	c								x	x	1958	Afr, Asi-Tem, Asi-Tro
Trifolium echinatum	Fabac			c				c														x	x	1954	Eur, Afr, Asi-Tem
Trifolium hybridum subsp. *elegans*	Fabac			c	c	c	c	c	c	c	c	c	c	c								x	x	1909	Eur, Afr, Asi-Tem
Trifolium incarnatum subsp. *incarnatum*	Fabac			c	c	c	c	c	c	c	c	c	c	c								x	x	1859	Eur, Asi-Tem
Trifolium incarnatum subsp. *molinerii*	Fabac			c		c																x	x	1989	Eur, Asi-Tem
Trifolium lappaceum	Fabac			c				c														x		1954	Eur, Afr, Asi-Tem
Trifolium mutabile	Fabac			c				c														x		1954	Eur, Asi-Tem
Trifolium nigrescens	Fabac			c			c															x		1971	Eur, Afr, Asi-Tem
Trifolium repens subsp. *prostratum*	Fabac			c				c														x		1990	Eur, Asi-Tem
Trifolium resupinatum s.str.	Fabac	t		c	c	c	c	c	c?	c	c		c									x		1879	Eur, Afr, Asi-Tem, Asi-Tro
Trifolium squarrosum	Fabac			c				c														x		1954	Eur, Afr
Trifolium stellatum	Fabac		x	c		c																x		2007	Eur, Afr, Asi-Tem
Trifolium suaveolens	Fabac			e	c	c	c	c	c	c	c	c	e	c								x		1973	Eur, Afr, Asi-Tem, Asi-Tro
Trifolium subterraneum	Fabac		x	c	c	c			c													x		2014	Eur, Afr, Asi-Tem
Trigonella caerulea	Fabac			c	f	c	c		c	c	c	c	c	c								x		1842	Asi-Tem
Trigonella foenum-graecum	Fabac			c		c	c	c														x		1842	Eur, Asi-Tem
Trigonella grandiflora	Fabac			c			c															x		1971	Asi-Tem
Trigonella kotschyi	Fabac			c						c												x		1992	Asi-Tem

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Pflugbeil unpubl.
							Walter et al. 2002, Gilli & Niklfeld 2018
							Forstner unpubl.
esc							Essl 2019b
							Observation International 2022, Pachschwöll et al. 2025
sto							Stöhr et al. 2004, Pflugbeil & Pilsl 2013, Wallnöfer et al. 2015
esc							Walter et al. 2002, Hohla 2011a, Pflugbeil & Pilsl 2013, Amann 2016, Gilli et al. 2020, Pachschwöll et al. 2025
esc							
cor							Hohla et al. 2002, Pflugbeil & Pilsl 2013, Gilli et al. 2019b, Kleesadl & Schröck 2021
							Glantschnig 1940, Janchen 1956–1960, Traxler 1973, Hartl et al. 1992, Walter et al. 2002
							Neilreich 1859, Walter et al. 2002, Hohla et al. 2009, Forum Flora Austria 2022, JACQ 2022, Lefnaer unpubl., Leonhartsberger unpubl.
							Dalla Torre von Thunberg-Sternhof & Sarnthein 1912, Traxler 1984, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Kniely 2016
							Dolliner 1842, Kleesadl 2009, Pflugbeil & Pilsl 2013, Niklfeld 2016, Zernig et al. 2019
cor							Neilreich 1866, Adler & Mrkvicka 2006, Fischer et al. 2008, Niklfeld 2016, Hohla 2018b
							Schratt-Ehrendorfer 1986 unpubl., Fischer et al. 2008, Melzer & Barta 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Amann 2016
							Walter et al. 2002
							Fischer et al. 2008, Hohla et al. 2009
esc							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Melzer & Barta 1992, Walter et al. 2002
							Walter et al. 2002
							Walter et al. 2002
							Walter et al. 2002
con, sto							Kniely et al. 2006, Melzer & Ocepek 2009
							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
							Walter et al. 2002
							Stöhr et al. 2009
							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli et al. 2021, Vitek et al. 2021, Niklfeld & Schratt-Ehrendorfer 2022, Forum Flora Austria 2022, Pagitz et al. 2023, Stöhr unpubl.
							Kleesadl & Schröck 2021, Forum Flora Austria 2022, Pachschwöll et al. 2025, Fischer unpubl.
							Dolliner 1842, Janchen 1977, Polatschek 2000, Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Dolliner 1842, Fischer et al. 2008
							Walter et al. 2002
							Walter et al. 2002

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Trisetaria panicea	Poace		x	c										c								x		1978	
Triticosecale ×rimpaui	Poace	c		c					c														x		
Triticum aestivum	Poace	c		c	c	c	c	c	c	c	c		c	c									x		
Triticum compactum	Poace	c		c										c									x		
Triticum dicoccon	Poace	c	x	c										c									x		
Triticum durum	Poace	c	x	c				c			c		c	c									x		
Triticum monococcum	Poace	c		c		c			c					c									x		
Triticum polonicum	Poace	c	x	c							c												x		
Triticum spelta	Poace	c		c					c					c									x		
Triticum turgidum	Poace	c		c				c	c	c													x		
Tropaeolum majus	Tropa			c	c	c	c	c	c	c	c	c	c			x				x		x		1931	SAm
Tsuga canadensis	Pinac		x	c			c		c													x		2003	NAm
Tsuga chinensis	Pinac		x	c		c										x								2006	Afr, Asi-Tem
Tsuga heterophylla	Pinac		x	c					c													x		2009	NAm
Tulipa gesneriana	Lilia		x	c	c	c	c	c	c		c	c	c					x				x		1844	Eur, Asi-Tem
Tulipa greigii	Lilia		x	c		c																x		2014	Asi-Tem
Tulipa praestans	Lilia		x	c		c																x		2013	Asi-Tem
Tulipa sylvestris subsp. *sylvestris*	Lilia		x	e	le	e	e	?	le				c			x	x	x						1814	Eur, Afr, Asi-Tem
Tulipa tarda	Lilia		x	c					c													x		2015	Asi-Tem
Tulipa turkestanica	Lilia		x	le			le						c									x		2001	Asi-Tem
Typha angustifolia × *T. laxmannii*	Typha		x	c		c													x	x				2015	
Typha laxmannii	Typha			e	e	e	e		e?		c			c					x	x				1975	Eur, Asi-Tem, Asi-Tro
Ulex europaeus	Fabac			le?		c		c						le?								x		1954	Eur
Ulmus pumila	Ulmac			c	c	c	c	f								x						x		1998	Asi-Tem
Urospermum picroides	Aster		x	c			c															x		2003	Eur, Afr, Asi-Tem, Asi-Tro
Urtica membranacea	Urtic		x	c							c											x		2020	Eur, Afr, Asi-Tem
Urtica pilulifera	Urtic			c				c	c		c		c									x		1840	Eur, Afr, Asi-Tem
Vaccinium ×atlanticum	Erica	c		le?				c	c		le?									x				2004	
Vaccinium macrocarpon	Erica		x	le							le									x				2009	NAm
Valeriana pyrenaica	Capri		x	le										le			x							1977	Eur
Vallisneria spiralis	Hydro			le			le			le									x					1968	Eur, Afr, Asi-Tem, Asi-Tro
Verbascum bombyciferum	Scrop			c		c	c				c											x		1994	Asi-Tem
Verbascum chaixii subsp. *chaixii*	Scrop			c									c									x		2006	Eur
Verbascum pulverulentum	Scrop			c		c							c									x		1977	Eur
Verbascum sinuatum	Scrop			c				c														x		1954	Eur, Afr, Asi-Tem
Verbascum virgatum	Scrop			c				c														x		1975	Eur
Verbena ×hybrida	Verbe	c		c	c				c		c											x		2002	
Verbena bonariensis	Verbe			c		c	c	c	c		c	c	c									x		2005	SAm
Verbena bracteata	Verbe			c	c	c			c					c								x		1960	NAm
Verbena hastata	Verbe		x	c					c		c											x		2009	NAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
							Amann 2016
esc							Hohla 2006b, Hohla et al. 2009
esc, sto							Neilreich 1859, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Sauberer et al. 2020
esc							Amann 2016
esc							Jacquin 1762, Neilreich 1859, Amann 2016
esc							Pflugbeil & Pilsl 2013, JACQ 2022, Bregant unpubl., Pagitz unpubl.
esc							Dolliner 1842, Hohla et al. 2009, Amann 2016, Sauberer et al. 2020
esc							Pilsl et al. 2008, Pflugbeil & Pilsl 2013
esc							Dolliner 1842, Hohla et al. 2009, Amann 2016
esc							Melzer 1979, Walter et al. 2002, Hohla et al. 2009, Melzer unpubl.
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Hohla 2005, Hohla et al. 2009, Vitek et al. 2021
esc							Stöhr et al. 2007
esc							Hohla et al. 2009, Hohla unpubl.
esc							Sailer 1844, Fischer et al. 2008, Stöhr 2011, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Gilli et al. 2021
esc							Gilli et al. 2021
esc							Schultes 1814, Hamburger 1948, Fischer et al. 2008, Hohla et al. 2009, Gilli & Niklfeld 2018
esc							Hohla et al. 2015
esc							Adler & Mrkvicka 2003a, Adler & Mrkvicka 2006, JACQ 2022
							Bernhardt & Gregor 2019
esc							Adler & Mrkvicka 2003b, Fischer et al. 2008, Amann 2016, Kleesadl 2017, Wittmann & Pflugbeil 2017
esc							Fischer et al. 2008, Amann 2016
esc							Walter et al. 2002, Sauberer & Till 2015, Nadler & Haug 2021, JACQ 2022, Starlinger unpubl.
sto							Adler & Mrkvicka 2006
							JACQ 2022, Pilsl unpubl.
							Walter et al. 2002, Hohla et al. 2009, Hohla 2022, JACQ 2022, Pagitz et al. 2023
hyb							Essl 2004a, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
							Pflugbeil & Pilsl 2013
							Maier et al. 2001, Amann 2016
							Hartl et al. 1992, Fischer et al. 2008, Schratt-Ehrendorfer unpubl.
							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Gilli & Niklfeld 2018
							Pagitz 2007, Fischer et al. 2008
							Fischer et al. 2008
							Walter et al. 2002
							Walter et al. 2002
esc							Stöhr et al. 2006, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Hohla 2006b, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Sauberer & Till 2015, Gilli & Niklfeld 2018, Zernig et al. 2019, Pagitz et al. 2023
esc							Walter et al. 2002, Hohla et al. 2009, Amann 2016
esc							Hohla 2011b, Pflugbeil & Pilsl 2013

Taxon	Family	Questions	New taxon	Status in Austria	Burgenland	Lower Austria	Vienna	Styria	Upper Austria	Carinthia	Salzburg	East Tyrol	North Tyrol	Vorarlberg	Forests	Shrublands	Tall forb stands	Grasslands	Aquatic habitats	Wetlands	Rocks & screes	Ruderal habitats	Segetal habitats	First record	Native Range
Verbena rigida	Verbe		x	c		c	c															x		2019	SAm
Verbesina encelioides subsp. *exauriculata*	Aster			c			c															x		1971	NAm, SAm
Verbesina occidentalis	Aster			c				c														x		1931	NAm
Veronica arguteserrata	Plant		x	c									c									x		2006	Asi-Tem, Asi-Tro
Veronica ceratocarpa	Plant			c							c											x		1893	Asi-Tem
Veronica cymbalaria	Plant		x	c							c		c									x		2013	Eur, Afr, Asi-Tem
Veronica filiformis	Plant			e	e	e	e	e	e	e	e	c	e	e				x				x		1934	Asi-Tem
Veronica gentianoides	Plant			c					c													x		2002	Eur, Asi-Tem
Veronica peregrina var. *peregrina*	Plant			e	c	e	e	e	e	e	le	c	e	e								x		1854	NAm, SAm
Veronica peregrina var. *xalapensis*	Plant			c		c	c		c	c	c		c									x		1973	NAm, SAm
Veronica persica	Plant			e	e	e	e	e	e	e	e	e	e	e								x	x	1814	Asi-Tem
Veronica scheereri	Plant		x	c					c													x		2008	Eur
Viburnum ×bodnantense	Adoxa	c		c							c	c				x				x				2004	
Viburnum ×burkwoodii	Adoxa	c		c			c									x								2005	
Viburnum ×rhytidophylloides	Adoxa	c		c		c			c			c	c									x		1999	
Viburnum buddlejifolium	Adoxa			c					c													x		2003	Asi-Tem
Viburnum farreri	Adoxa		x	c							c											x		2011	Asi-Tem
Viburnum rhytidophyllum	Adoxa			c		c	c	c	c		c	c	c	c	x	x						x		1995	Asi-Tem
Vicia benghalensis	Fabac			c					c				c									x	x	1853	Eur, Afr
Vicia bithynica	Fabac			c				c														x	x	1948	Eur, Afr, Asi-Tem
Vicia cordata	Fabac			c	c	c		c		c			c									x	x	1932	Eur, Afr, Asi-Tem
Vicia dalmatica	Fabac			c		c							c		x								x	2004	Eur, Asi-Tem
Vicia ervilia	Fabac			c			c		c	c												x		1866	Eur, Afr, Asi-Tem
Vicia ervoides	Fabac			c						c												x	x	1960	Eur, Afr, Asi-Tem
Vicia faba	Fabac	a		c		c	c	c	c	c	c	c	c	c								x	x		Asi-Tem
Vicia johannis	Fabac		x	le		le																	x	2019	Eur
Vicia lens	Fabac	c		c			c		c		c			c								x	x		
Vicia lutea	Fabac			e	e?	e	e	c	c	c	c	c	c	c				x				x	x	1917	Eur, Afr, Asi-Tem
Vicia peregrina	Fabac			c		c																x	x	1948	Eur, Afr, Asi-Tem, Asi-Tro
Vicia sativa s.str.	Fabac	a		e?	e?	e?	e?	e?	e?	c	c	c	c	c								x	x		Eur, Afr, Asi-Tem, Asi-Tro
Vinca major	Apocy			le	c	c	c	e	le	c	c	c	le		x	x	x					x		1948	Eur, Asi-Tem
Viola ×wittrockiana	Viola			c	c	c	c	c	c	c	c	c	c	c								x	x	1922	
Viola palmata	Viola		x	c			c															x		2010	NAm
Viola sororia	Viola			le			c	c	c	le	c	c	c					x				x		1986	NAm
Visnaga daucoides	Apiac			c	c	c								c								x		1920	Eur, Afr, Asi-Tem
Vitis amurensis	Vitac			c							c					x								1993	Asi-Tem
Vitis labrusca	Vitac			c	c	c		c			c		c			x								1973	NAm
Vitis riparia	Vitac			le		le	le?		c		c	c			x							x		1973	NAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Lefnaer 2020, 2021
esc							Walter et al. 2002
esc							Walter et al. 2002 Zidorn 2008 Pilsl et al. 2008 Pflugbeil & Pilsl 2013, Pagitz unpubl. Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016
esc							Hohla et al. 2009
sto							Hausmann 1854, Melzer & Barta 2001, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
sto							Gutermann & Niklfeld 1973, Walter et al. 2002, Melzer & Barta 2008, Pflugbeil & Pilsl 2013, Hohla et al. 2015 Schultes 1814, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016 Hohla et al. 2009
esc							Pflugbeil & Pilsl 2013, Pagitz et al. 2023
esc							Melzer & Barta 2008
esc							Melzer & Barta 2000, Hohla 2021, Pagitz et al. 2023
esc							Hohla et al. 2005a, 2009
esc							Pflugbeil & Pilsl 2013
esc							Melzer & Barta 1996, Fischer et al. 2008, Hohla et al. 2009, Stöhr 2011, Stöhr et al. 2012, Pflugbeil & Pilsl 2013, Amann 2016, Leonhartsberger 2018 Niklfeld 2016, Pagitz et al. 2023 Melzer 1954, Walter et al. 2002 Walter et al. 2002, Fischer et al. 2008 Melzer & Barta 2005, Karrer unpubl. Neilreich 1866, Fischer et al. 2008, Hohla et al. 2009 Walter et al. 2002 Walter et al. 2002, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022 Pachschwöll et al. 2025
esc							Kramer 1756, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013 Melzer 1954, Polatschek 2000, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Niklfeld & Schratt-Ehrendorfer 2022, Höbel unpubl. Janchen 1956–1960, Walter et al. 2002
							Neilreich 1846, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013
esc							Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, ZoBoDat 2022, Pagitz et al. 2023, Pagitz et al. unpubl.
esc							Essl 2008, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Polatschek & Neuner 2013 Vitek et al. 2012
esc							Melzer 1988a, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Hohla et al. 2015, Zernig et al. 2017, Vitek et al. 2021, Forum Flora Austria 2022, JACQ 2022, Stöhr unpubl. Murr 1923, Fischer et al. 2008, Gilli & Niklfeld 2018, Sauberer et al. 2020
esc							Wittmann & Pilsl 1997, Pflugbeil & Pilsl 2013
esc, sto							Fischer et al. 2008, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Adler & Mrkvicka 2003a, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Pagitz et al. 2023

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Vitis vinifera subsp. *vinifera*	Vitac	a, c		e	c	e	c	c	c	c	c	c	c	c		x		x				x			
Weigela florida	Capri			c	?	?	c	c	c		c	c				x						x		1960	Asi-Tem
Wisteria sinensis	Fabac		x	c			c		c		c											x		2003	Asi-Tem
Wolffia columbiana	Arace		x	le			le												x					2017	NAm, SAm
Xanthium chinense	Aster			c				c														x	x	1963	NAm
Xanthium orientale × *X. strumarium*	Aster			c		c																x	x	1973	
Xanthium orientale s. lat.	Aster		x	e	e?	e	c	c	c	c												x	x	1896	NAm, SAm
Xanthium spinosum	Aster			e?	e?	c	c	c	c	c			c	c								x	x	1825	SAm
Xerochrysum bracteatum	Aster			c		c	c															x		1966	Aus
Yucca filamentosa	Aspar	t		c	c	c	c	c	c		c	c					x					x		1969	NAm
Yucca flaccida	Aspar		x	c	c		c											x				x		1971	NAm
Yucca gloriosa	Aspar		x	c					c									x				x		2022	NAm
Zea mays	Poace			c	c	c	c	c	c	c	c	c	c	c									x	1868	NAm, SAm
Zelkova serrata	Ulmac			c			c															x		1971	Asi-Tem
Zinnia elegans	Aster			c			c		c		c											x		2002	NAm

Introduction	Environmental	Agriculture	Silviculture	Water management	Human health	Animal health	Source
esc							Hartl et al. 1992, Fischer et al. 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Amann 2016, Pagitz et al. 2023
esc							Janchen 1956–1960, Traxler 1989a, b, Walter et al. 2002, Fischer et al. 2008, Pflugbeil & Pilsl 2013, Schrammel et al. 2019, Forum Flora Austria 2022, Stöhr unpubl.
esc							Essl 2008, Pflugbeil & Pilsl 2013, Hohla 2021 Gilli et al. 2021
sto							Melzer 1964
sto							Melzer 1979, Walter et al. 2002
							Fritsch 1896, Melzer 1954, Baschant 1955, Walter et al. 2002, Adler & Mrkvicka 2003b, Melzer & Barta 2008, Hohla et al. 2009, Sauberer & Till 2015, Vitek et al. 2021
sto							Forstner & Hübl 1971, Fischer et al. 2008, Hohla et al. 2009 Fischer et al. 2008
esc							Walter et al. 2002, Adler & Mrkvicka 2006, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Leonhartsberger 2018, Niklfeld & Schratt-Ehrendorfer 2022, Pagitz et al. 2023
esc							Forstner & Hübl 1971, Gilli et al. 2021 Pachschwöll et al. 2025
esc							Hamburger 1948, Walter et al. 2002, Stöhr 2008, Hohla et al. 2009, Pflugbeil & Pilsl 2013, Niklfeld & Schratt-Ehrendorfer 2022
esc							Forstner & Hübl 1971, Walter et al. 2002
esc							Hohla et al. 2009, Pflugbeil & Pilsl 2013, Gilli et al. 2021

Appendix 2. Overview of the taxa excluded from the second edition of the checklist of neophytes in Austria (n = 152). Given are taxa that were included in the first edition but excluded in the second edition (n = 46), and taxa that were discussed, but finally not included in the second edition (n = 71). Taxa are arranged alphabetically. Families are based on the APG IV system (The Angiosperm Phylogeny Group 2016), taxon NAmes follow Fischer et al. (2008), with updates (see Material and Methods). The reason for exclusion is summarized in the column "Status" (a = taxon is planted in the wild, ? = questionable records, x = erroneous records, ● = taxon is native, ●* = taxon status as native not fully resolved (treated as native here), †* = taxon was probably native and is extinct in Austria) and expanded upon in "Details".

Taxon	Family	Status	Details
Acanthus mollis	*Acanthaceae*	?	Records from Salzburg (Pflugbeil & Pilsl 2013) and Lower Austria (Essl 2008) most likely refer to escaped horticultural hybrids (Gilli et al. 2021).
Acanthus spinosus	*Acanthaceae*	?	Records from Salzburg (Pflugbeil & Pilsl 2013, Eichberger et al. 2015) and Upper Austria (Hohla 2023) most likely refer to escaped horticultural hybrids (Gilli et al. 2021).
Acer saccharum	*Sapindaceae*	x	Taxon reported in error.
Acer tataricum s.str.	*Sapindaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Achillea grandifolia	*Apiaceae*	x	The single record from Styria (Melzer 1954) based on Hamburger (1948 as *Chrysanthemum macrophyllum*) most likely refers to *Tanacetum macrophyllum* (see Table S1).
Allium atropurpureum	*Amaryllidaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Alyssum turkestanicum	*Brassicaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Amaranthus quitensis	*Amaranthaceae*	?	Taxon was likely reported in error (Fischer et al. 2008).
Amaranthus quitensis × *tuberculatus*	*Amaranthaceae*	?	Taxon was likely reported in error (Walter et al. 2002).
Anemone hupehensis	*Ranunculaceae*	?	Records from Northern Tyrol (Polatschek & Neuner 2013) may refer to *A.* ×*hybrida* (Pagitz et al. 2023), a horticultural hybrid involving this taxon. Given the uncertainties differentiating between the two taxa, the identification of *A. hupehensis* needs further confirmation.
Anthyllis vulneraria subsp. *pseudovulneraria*	*Fabaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Apium graveolens	*Apiaceae*	†*	Taxon was probably native (Schratt-Ehrendorfer et al. 2022).
Aralia spinosa	*Araliaceae*	x	Taxon was reported in error, records refer to *A. elata* (Berg et al. 2009).
Armeria arenaria	*Plumbaginaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Asparagus officinalis	*Asparagaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Asyneuma canescens	*Campanulaceae*	x	Taxon was reported in error (Walter et al. 2002).
Aubrieta columnae	*Brassicaceae*	?	Records from Burgenland (Walter et al. 2002) and Northern Tyrol (Pagitz et al. 2023) most likely refer to *A.* ×*cultorum*.
Aubrieta deltoidea	*Brassicaceae*	?	Records from various federal states (Walter et al. 2002, Fischer et al. 2008, Pagitz et al. 2023) most likely refer to *A.* ×*cultorum* (see Table S1).
Avena brevis	*Poaceae*	?	Taxon was likely reported in error (Walter et al. 2002, Hohla et al. 2009).
Avena nuda s.str.	*Poaceae*	?	Taxon was likely reported in error (Walter et al. 2002, Englmaier & Wilhalm 2018).
Berberis angulosa	*Berberidaceae*	?	The single record from Salzburg was based on tentative identification (Pilsl et al. 2008, Pflugbeil & Pilsl 2013).
Brimeura amethystina	*Asparagaceae*	x	Taxon was reported in error (Walter et al. 2002).
Bromus grossus	*Poaceae*	?	Records most likely refer to *B. secalinus*
Bromus rigidus	*Poaceae*	x	Taxon was reported in error (Wilhalm & Pagitz 2001).
Calceolaria pinnata	*Calceolariaceae*	x	Taxon was reported in error. Records from Styria and Northern Tyrol (Walter et al. 2002) refer to *C. tripartita* (syn. *C. chelidonioides*) as stated already by Forstner (1973).

Taxon	Family	Status	Details
Callitriche hermaphroditica s.str.	*Plantaginaceae*	x	Taxon was reported in error (Walter et al. 2002, Hohla et al. 2009, Amann 2016).
Camelina alyssum	*Brassicaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Carduus nutans subsp. *leiophyllus*	*Asteraceae*	?	Taxon was likely reported in error (Walter et al. 2002).
Carduus pycnocephalus	*Asteraceae*	x	Taxon was reported in error (Walter et al. 2002).
Carpesium cernuum	*Asteraceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Centaurea australis × *C. diffusa*	*Asteraceae*	?	The record of "*C. diffusa* × *C. micrantha*" from Vienna (Rechinger 1950) needs verification. The different ploidy level of the putative parents (*C. australis*: 2n = 36, *C. diffusa*: 2n = 18) should largely prevent successful hybridization.
Cephalaria transsylvanica	*Caprifoliaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Cerastium biebersteinii	*Caryophyllaceae*	x	Taxon likely reported in error (e.g. Pilsl et al. 2008, Pflugbeil & Pilsl 2013, Hohla 2021, 2022) for *C. tomentosum*.
Chenopodium borbasii	*Chenopodiaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Clarkia pulchella	*Onagraceae*	x	The source given in Walter et al. (2002) for Carinthia was "BIODAT 2002"; as there is no record within this database, the taxon was likely reported in error.
Collinsia heterophylla	*Plantaginaceae*	?	According to Janchen (1956–1960, 1977) occasionally used as an orNAmental, but evidence on escaped occurrences is missing.
Commelina tuberosa	*Commelinaceae*	x	Records from Upper Austria (Baschant 1955) and Salzburg (Fischer et al. 2008 but see Pflugbeil & Pilsl 2013) most likely refer to *C. communis*.
Conringia orientalis	*Brassicaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Cornus sanguinea subsp. *australis* × subsp. *sanguinea*	*Cornaceae*	●*	This hybrid with a more south(east)ern distribution is intrograding into the native and common subsp. *sanguinea* (= *Cornus sanguinea* nothosubsp. *hungarica*). Further investigation is needed.
Cotoneaster hjelmqvistii	*Rosaceae*	?	*C. hjelmqvistii* has been described by Flinck & Hylmö (1991) as a distinct species closely related to *C. horizontalis*. Some occurrences on citizen science platforms (e.g., https://observation.org/species/128326) have recently been identified as this species. Further work is needed to identify possible earlier records of *C. hjelmqvistii*.
Crocus ligusticus	*Iridaceae*	x	Taxon was reported in error (Walter et al. 2002, Fischer et al. 2008).
Crocus neapolitanus	*Iridaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Cuscuta scandens subsp. *cesatiana*	*Convolvulaceae*	?	Records from eastern Austria (Neumayer 1930, Janchen 1956–1960, 1977) most likely refer to *C. campestris* (Forstner & Hübl 1971) or *C. gronovii* (Melzer 1991, Lippert & Meierott 2018).
Cuscuta suaveolens	*Convolvulaceae*	?	Records from Lower Austria (Janchen 1977), Upper Austria (Hohla et al. 2009) and Northern Tyrol (Polatschek 1999) most likely refer to *C. campestris*.
Cyperus longus	*Cyperaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Dahlia pinnata	*Asteraceae*	?	Records from Burgenland and Vienna (Walter et al. 2002) most likely refer to *D.* ×*hortensis*.
Datura metel	*Solanaceae*	x	Taxon was reported in error; records refer to either *D. innoxia* or *D. wrightii* (Walter et al. 2002).
Delphinium consolida subsp. *paniculatum*	*Ranunculaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Deutzia scabra	*Hydrangeaceae*	?	Previous records (Walter et al. 2002, Fischer et al. 2008, Griebl 2020) most likely refer to *D. crenata* (syn. *D. scabra* hort.) (Hohla 2022).
Dianthus caryophyllus	*Caryophyllaceae*	x	Taxon was reported in error (Walter et al. 2002).
Dianthus chinensis	*Caryophyllaceae*	x	Taxon was reported in error (Walter et al. 2002).
Diplotaxis muralis	*Brassicaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Draba nemorosa	*Brassicaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).

Taxon	Family	Status	Details
Dracocephalum parviflorum	*Lamiaceae*	x	Taxon was reported in error (Pagitz et al. 2023).
Echinochloa oryzoides	*Poaceae*	?	Taxon was likely reported in error (Pflugbeil & Pilsl 2013, Englmaier & Wilhalm 2018).
Echinodorus cordifolius	*Alismataceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Walter et al. 2002).
Echium italicum	*Boraginaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Eragrostis amurensis	*Poaceae*	x	The record from Upper Austria (Hohla 2013) refers to a glandular morphotype of E. albensis (Wróbel et al. 2021: *E. albensis* var. *scholziana*).
Erica spiculifolia	*Ericaceae*	?	Taxon was likely reported in error, the source of the record from Salzburg (Fischer et al. 2008) is unknown.
Erysimum perofskianum	*Brassicaceae*	x	According to Polatschek (2013) the records from Northern Tyrol and Vorarlberg refer to *E. melicentae*.
Euphorbia engelmannii	*Euphorbiaceae*	x	According to Walter et al. (2002) it is unclear if the single record from Vienna (Hügin 1999) was based on cultivated or escaped plants.
Euphorbia indica	*Euphorbiaceae*	x	Taxon was reported in error (Walter et al. 2002).
Euphorbia rigida	*Euphorbiaceae*	x	Given for Lower Austria in Adler et al. (1994), however concrete evidence is missing. There was very likely a confusion with *E. myrsinites*.
Eurybia sibirica	*Asteraceae*	x	Taxon reported in error from Salzburg (Pflugbeil & Pilsl 2013). In Janchen (1956–1960 as *Aster sibiricus*) also listed for North Tyrol as cultivated and occasionally naturalized but likely reported in error as well.
Fimbristylis annua	*Cyperaceae*	x	For Austria there is only one documented record from St. Gilgen am Wolfgangsee (Salzburg) (Hinterhuber 1855, Pflugbeil & Pilsl 2013). Since, as is well known, J. Hinterhuber's specimens are often incorrectly labeled, the record must be regarded as highly questionable.
Fragaria virginiana	*Rosaceae*	?	It is questionable whether the record of *F. virginiana* in Rauscher (1871) refers to this rarely cultivated progenitor of *F.* ×*ananassa* (Ruttner 1955, Walter et al. 2002, Hohla et al. 2009), no specimen could be traced (pers. comm. G. Kleesadl).
Galinsoga parviflora × *quadriradiata*	*Asteraceae*	x	A detailed check revealed that the single record for this hybrid is doubtful and thus it was moved to Table S2.
Galium rubrum s.str.	*Rubiaceae*	?	The old record from Berg Isel-Hohlweg near Innsbruck in Dalla Torre von Thunberg-Sternhof & Sarnthein (1912) was likely based on confusion with *Galium* ×*centroniae* (pers. comm. H. Niklfeld).
Geranium divaricatum	*Geraniaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Gladiolus communis	*Iridaceae*	x	Records of "*Gladiolus communis*" refer to escaped horticultural hybrids summarized under the NAme *G.* × *hortulanus*.
Glaucium corniculatum	*Papaveraceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Gypsophila acutifolia	*Caryophyllaceae*	?	Taxon was likely reported in error for *G. scorzonerifolia* (Walter et al. 2002). This probably also applies to the record from Upper Austria in Stöhr et al. (2006).
Gypsophila pilosa	*Caryophyllaceae*	x	Janchen (1956–60) refers Neilreich's record of "*Gypsophila perfoliata*" to *G. scorzonerifolia* ("Syn.: *G. perfoliata* Beck, non L. - (NÖ), Vöslau, vor 1857!, längst verschwunden." and furthermore notes the species has already disappeared. Beck (1890) brings another record "in Sandgruben bei der St. Marxer Linie vor Wien 1889.", later on also refered to *G. scorzonerifolia* by Forstner & Hübl (1971). Given the nomenclatural confusion in the available records, we have decided to exclude *G. pilosa* from the checklist pending critical review (e.g., of herbarium records).
Halesia diptera	*Styracaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Pagitz et al. 2023).

Taxon	Family	Status	Details
Heliotropium europaeum	*Boraginaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Helleborus orientalis	*Ranunculaceae*	?	This species is rarely found in cultivation. All records probably refer to the horticultural hybrid *H.* ×*hybridus*.
Herniaria incana	*Caryophyllaceae*	†*	Taxon was probably archaeophytic near Breitensee in south-eastern Marchfeld (Lower Austria) but has long since become extinct there (Neilreich 1859, Janchen 1977). Recent records from Vienna (Melzer & Barta 2003) and Lower Austria (Gilli & Niklfeld 2018) are based on ephemeral reintroductions.
Honorius nutans s.str.	*Asparagaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Hosta ventricosa	*Asparagaceae*	?	The single record from Salzburg (Stöhr et al. 2009) was based on tentative identification (Pflugbeil & Pilsl 2013).
Hylotelephium telephium s.str.	*Crassulaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Hypericum pulchrum	*Hypericaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Isatis praecox	*Brassicaceae*	?	Old records from Styria (Schlossberg in Graz) (Hayek 1909, Melzer 1954, Maurer 1996) need verification.
Lemna aequinoctialis	*Araceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Walter et al. 2002).
Lepidium latifolium	*Brassicaceae*	†*	Taxon was probably archaeophytic on salt-influenced ruderal places in Pulkautal, northern Weinviertel (Lower Austria) (Janchen 1977, Schratt-Ehrendorfer et al. 2022). Recent records from various federal states (Melzer & Barta 1994, Adler & Mrkvicka 2003a, Hohla 2013, Gilli & Niklfeld 2018) are based on escapes from cultivation.
Ligularia sibirica	*Asteraceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Linaria incarnata	*Plantaginaceae*	?	Taxon was likely reported in error for *L. bipartita* s. lat. (see Jäger et al. 2008).
Linaria maroccana	*Plantaginaceae*	?	Taxon was likely reported in error for *L. bipartita* s. lat. (see Jäger et al. 2008).
Linaria simplex	*Plantaginaceae*	x	Taxon was reported in error for *L. caesia* (Hohla et al. 1998, 2009).
Lupinus perennis	*Fabaceae*	x	Taxon was likely reported in error (Walter et al. 2002).
Magnolia ×*soulangeana*	*Magnoliaceae*	x	The erroneous reporting actually refers to *Magnolia kobus* (Pilsl pers. comm.).
Malva moschata	*Malvaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Matthiola longipetala subsp. *longipetala*	*Brassicaceae*	x	The indication of the type subspecies for Vienna in Walter et al. (2002) is based on an error and refers to *M. longipetala* subsp. *bicornis.*
Mazus pumilio	*Mazaceae*	x	Taxon was reported in error for *M. miquelii* (Gilli et al. 2022).
Micropyrum tenellum	*Poaceae*	x	Taxon was reported in error for native *Festuca myuros* (syn. *Vulpia myuros*) (Hohla et al. 2009).
Murbeckiella pinnatifida	*Brassicaceae*	x	Taxon was reported in error (Walter et al. 2002).
Muscari botryoides	*Asparagaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Nasturtium ×*sterile*	*Tropaeolaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Nepeta cataria	*Lamiaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Oenothera gaura	*Onagraceae*	?	The single record from Graz (Styria) in Hamburger (1948 sub *Gaura biennis*) could not be uNAmbiguously identified and the taxon has not been found since. Thus, its status remains unclear.
Oenothera stricta	*Onagraceae*	x	Given for Styria in Walter et al. (2002), however concrete evidence is missing. Not mentioned for Austria in Hassler et al. (2020).
Ononis natrix	*Fabaceae*	x	Given for Carinthia in Fischer et al. (2008), however concrete evidence is missing.

Taxon	Family	Status	Details
Orchis simia	*Orchidaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Ornithogalum divergens	*Asparagaceae*	●*	Contrary to Speta (2000) and (Fischer et al. 2008) this taxon is probably native; however its status is not fully resolved and doubts remain as to its taxonomy.
Orobanche crenata	*Orobanchaceae*	x	Taxon was reported in error (Walter et al. 2002).
Oxalis deppei	*Oxalidaceae*	x	Taxon was reported in error (Walter et al. 2002).
Oxalis valdiviensis	*Oxalidaceae*	x	Taxon was reported in error (Walter et al. 2002).
Persicaria lapathifolia subsp. *leptoclada*	*Polygonaceae*	x	Taxon was reported in error (Walter et al. 2002).
Persicaria virginiana	*Polygonaceae*	x	Taxon was reported in error (G. Pflugbeil unpubl.).
Picris hieracioides subsp. *spinulosa*	*Asteraceae*	●	According to Slovák et al. (2012) this taxon should be included into the variable *Picris hieracioides* subsp. *hieracioides*, native in Austria.
Plantago afra	*Plantaginaceae*	x	Taxon was reported in error (Walter et al. 2002).
Polygonum arenarium	*Polygonaceae*	?	Taxon was likely reported in error (Walter et al. 2002, Fischer et al. 2008).
Polygonum graminifolium	*Polygonaceae*	?	Taxon was likely reported in error (Fischer et al. 2008).
Pontechium maculatum	*Boraginaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Portulaca oleracea	*Portulacaceae*	●	The taxonomic value of several morphotypes (distinguished based on testa structure), sometimes classified at subspecies rank (subsp. *granulatostellulata*, subsp. *nitida*, subsp. *oleracea*, subsp. *papillato-stellulata*, subsp. *stellata*) is questionable (Walter 2006). The collective species is native (Schratt-Ehrendorfer et al. 2022).
Pulmonaria saccharata	*Boraginaceae*	x	The single record from Upper Austria (Vollrath 2004) is somewhat obscure and likely refers to white-spotted plants of *Pulmonaria officinalis*.
Pyrus ×nivalis	*Rosaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022), doubts remain as to its taxonomy or representation of an old line of cultivated *Pyrus* sp.
Pyrus salviifolia	*Rosaceae*	?	Taxon status and identification are unclear; it is possibly only a variant of P. ×*nivalis*. Given its questionable taxonomic status and comparatively few records, its status as an alien species remains unclear.
Rhaponticoides ruthenica	*Asteraceae*	?	The single record from Northern Tyrol (Janchen 1956-60) is questionable.
Rodgersia podophylla	*Saxifragaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Hohla 2011c).
Rubia peregrina	*Rubiaceae*	x	Taxon was reported in error (Walter et al. 2002).
Rubus sprengelii	*Rosaceae*	?	Taxon was likely reported in error (Amann 2016).
Sagittaria subulata	*Alismataceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Walter et al. 2002).
Salix ×calodendron	*Salicaceae*	x	Taxon was reported in error (Walter et al. 2002).
Salix ×stipularis	*Salicaceae*	x	Taxon was reported in error (Walter et al. 2002).
Salix atrocinerea	*Salicaceae*	x	Taxon was reported in error (Walter et al. 2002).
Salix eriocephala	*Salicaceae*	x	Taxon was reported in error (Walter et al. 2002 as *S. rigida*).
Salvia aethiopis	*Lamiaceae*	●	Taxon is native (Schratt-Ehrendorfer et al. 2022).
Sanguisorba minor subsp. *verrucosa*	*Rosaceae*	x	Taxon was reported in error (Walter et al. 2002).
Sanvitalia procumbens	*Asteraceae*	?	Taxon was likely reported in error for *Melampodium montanum* (Hohla 2012b, 2022, Pflugbeil & Pilsl 2013).
Sarracenia ×readei	*Sarraceniaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Stöhr et al. 2007).
Sarracenia alata	*Sarraceniaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Stöhr et al. 2007).

Taxon	Family	Status	Details
Sarracenia flava	*Sarraceniaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Adlassnig et al. 2010, Stöhr unpubl.).
Sarracenia purpurea	*Sarraceniaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Adlassnig et al. 2010).
Saururus cernuus	*Saururaceae*	a	No evidence of spread or reproduction in Austria is known, occurrences can be traced back to plantings in the wild (Walter et al. 2002).
Saxifraga hirsuta	*Saxifragaceae*	?	Records most likely refer to escaped horticultural hybrids: *S.* ×*geum* or *S.* ×*urbium* (Walter et al. 2002, Essl 2004b, Hohla et al. 2009, Pflugbeil & Pilsl 2013).
Saxifraga umbrosa s.str.	*Saxifragaceae*	x	Records most likely refer to escaped horticultural hybrids: *S.* ×*geum* or *S.* ×*urbium* (Walter et al. 2002, Essl 2004b, Hohla et al. 2009, Pflugbeil & Pilsl 2013).
Scirpus pendulus	*Cyperaceae*	?	The single record from Northern Tyrol (Niklfeld 2015) needs to be verified, it is likely as result of planting in the wild (Pagitz et al. 2023).
Sedum lineare	*Crassulaceae*	x	Taxon was reported in error (Walter et al. 2002).
Sedum thartii	*Crassulaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Sedum urvillei	*Crassulaceae*	?	Taxon was likely reported in error (Gilli et al. 2022).
Setaria verticilliformis	*Poaceae*	●	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Silene gallica	*Caryophyllaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Silene italica s.str.	*Caryophyllaceae*	?	Taxon was likely reported in error (Walter et al. 2002).
Sixalix atropurpurea	*Caprifoliaceae*	?	The single record from Upper Austria (Sailer 1844, Hohla et al. 2009 as *Scabiosa atropurpurea*) is questionable.
Solanum sarrachoides s.str.	*Solanaceae*	x	Taxon was reported in error (Knapp 2018).
Symphyotrichum parviflorum	*Asteraceae*	?	Taxon was likely reported in error (Fischer et al. 2008, Amann 2016).
Tamarix chinensis	*Tamaricaceae*	?	This taxon was recently reported for Austria (https://forum.flora-austria.at/viewtopic.php?f=4&t=4208). However, the identity of the taxon remains questionable, and thus, this was not included here.
Tamarix gallica s.str.	*Tamaricaceae*	x	Taxon was reported in error (Walter et al. 2002, Sauberer et al. 2020), in a more recent report (https://forum.flora-austria.at/viewtopic.php? f=4&t=4208) the identity of the taxon remains questionable.
Trifolium hybridum subsp. *hybridum*	*Fabaceae*	●*	Taxon is probably native, but status not fully resolved (Schratt-Ehrendorfer et al. 2022).
Trifolium pannonicum	*Fabaceae*	x	Taxon was reported in error (Walter et al. 2002).
Turgenia latifolia	*Apiaceae*	†*	Taxon was probably native (Schratt-Ehrendorfer et al. 2022).
Typha domingensis	*Typhaceae*	?	The occurrence, distribution, and floristic status of this halophilic, more southern species, are unclear in Austria (Burgenland) (Gilli et al. 2022).
Valeriana phu	*Caprifoliaceae*	?	The single record from Upper Austria (Sailer 1844, Hohla et al. 2009) is questionable.
Zygophyllum fabago	*Zygophyllaceae*	?	Given the age of the record (Neilreich 1859) and associated uncertainties this taxons occurrence in Austria remains unclear.