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OAK RIDGE, TENNESSEE, FLORA:

1. PRELIMINARY ALPHABETIC INVENTORY OF VASCULAR PLANTS

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Radiation Ecology Section, Health Physics Division

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OAK RIDGE NATIONAL LABORATORY
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OAK RIDGE, TENNESSEE, FLORA:

1. PRELIMINARY ALPHABETIC INVENTORY OF VASCULAR PLANTS

ABSTRACT

Over 1500 higher plant taxa contribute to the genetic diversity of woodland and herbaceous ecosystems in Oak Ridge and surrounding Morgan, Roane, Anderson, Knox, and Loudon counties in Eastern Tennessee. This is an initial working checklist, so the number of species and the knowledge of their distributions will presumably be increased in future editions. Notations in the appended list (by county) include representation in: (1) the ORNL Ecology Herbarium; (2) the University of Tennessee Herbarium county maps if not in (1); and (3) additional records, mostly sight records.

The Appendix represents an experiment in composition by a Friden Justowriter, from punched paper tape generated by IBM 1401 computer from input of IBM punched cards. These cards furnish a flexible file for continuous revision, for computer listings as needed, and for future rearrangements by sorting in taxonomic order, by ecological role, or by life forms. Numerical codes for order and family in the plant kingdom are adopted from the International Plant Index without implying judgment on the validity of the nomenclature which it accepts for "operating categories." The speed with which additions and corrections have been (or can be) made furnishes an encouraging aid to an orderly progress in compiling regional floras, ecosystem inventories, and international studies such as those on terrestrial productivity and conservation for the International Biological Program.

INTRODUCTION

The Southern Appalachian Mountains have long been famed as a floristic center. Here there has been an evolution and survival of many species which have become extinct in other areas. Much interest has naturally centered around the Great Smoky Mountains National Park, where altitudes up to 2025 meters (6642') above sea level furnish a diversity of climates in a very short distance (Hoffman, 1964). On the other hand, there has been much less study, and no accessible summary, of the flora in the nearby Ridge and Valley Province which offers great diversity in lower Paleozoic sedimentary rocks and derived soils, with relatively less variation in climate. In contrast with its limestones, dolomites, shales and silty sandstones, the Cumberland Mountains on the west edge of our area are underlain by purer Pennsylvanian sandstones as well as by shales and coals, and reach intermediate altitudes (~1100 meters or 3600').

Since there was no convenient checklist applicable for this area, or for the Oak Ridge research areas, ecological research here required us to compile existing information and to start filling many gaps which our survey revealed. The checklist in the Appendix is only our first published approximation to the flora of 5 counties (Morgan, Roane, Anderson, Knox and Loudon) which occupy a fairly symmetrical area around Oak Ridge. A checklist of those species actually present in Oak Ridge and a rating of general abundance of native and introduced species are being made on the punchcards from which the following lists were tabulated. However, coverage was so uneven, that printing of such data is reserved for future editions of this flora.

On the other hand, we have already found it very useful to include county record information (1 for Oak Ridge National Laboratory, 2 for Knoxville herbarium maps, 3 for sight records) to call attention to numerous cases where records of species (even common species) have not yet been objectively recorded. This list is offered, then, with full knowledge that it still has many gaps. These gaps are being filled much more quickly than could be possible otherwise with the aid of lists which automatically call attention to places where new information is especially needed.

Evidence of the "self-correcting" stimulus of our working copies of these lists is furnished by successive IBM print-outs of our file deck. In late March, 1965, about 850 species were recorded from work centering around the Oak Ridge Reservation. Addition of 680 species was made by Gayle C. Jones from inspection of county record maps at The University of Tennessee herbarium. Many of these species have since been collected or observed at Oak Ridge by virtue of the attention drawn to them. Dozens of species not hitherto recorded in Oak Ridge or Knoxville records for the 5 counties have been added along with hundreds of county occurrences. Such rapid progress would not have been possible without the enthusiasm of the many contributors listed on the cover sheet of this report.

Evidence of floristic richness in the Appalachian lowlands is thus confirmed by the results of the successive approximations already completed and will undoubtedly be reinforced by further work. This richness implies a substantial genetic pool in the wild and introduced flora of the region. Some species may have become extinct locally as a result of projects such as the building of Melton Hill Reservoir. Further documentation of genetic reservoirs and steps to prevent extinctions are urged by local scientists and by the Conservation section of the International Biological Program.

The ecological importance of species records follows first from the basic need for correct identification of plants in research areas--especially species which have indicator significance or dominance in local ecosystems. The numerous species of less abundance contribute substantially to quantitative measures of the diversity of the vegetation. Diversity affects the stability of the ecosystem, and its adaptability to changing conditions.

METHODS OF SUMMARIZING

To ease the process of revision, records have been brought together on IBM cards in a standard format. The list was revised about 8 times by deleting, adding or replacing cards for individual species. Distributions were clarified by punching more locations into blank columns (col. 76-80) for counties where we previously had no definite herbarium or sight record. A special effort is being made in 1965-66 to fill out gaps in the record and to harmonize the revised information into a second approximation of the total local flora.

A convenient, standardized, systematic indexing of the punchcards is furnished by the International Plant Index (Gould 1962). The first four IBM card columns arrange the orders of the Plant Kingdom approximating the Engler-Prandtl system, with minor exceptions: i.e. placing the dicotyledons before the monocotyledons, gymnosperms and pteridophytes. The V in column 5 which Gould uses for "operational" nomenclature is omitted for clarity here. We take no stand regarding validity of varieties, species or higher categories which are included or omitted. Columns 6-9 are alphabetical numberings of all plant family names, which make it possible to rearrange the raw data cards alphabetically by family within the whole plant kingdom. Similar alphabetical numbers for all genera of the plant kingdom have recently been made available for columns 10-12, but these have not been used here. Until a workable coding both for genus and species is available, and perhaps even afterward, it is more convenient to use the following system.

A simple alphabetic coding of the first two letters of the genus name is furnished in col. 13-14, followed by the first two letters of the species name in col. 15-16.

Since there are occasional cases of identical 4-letter combinations for different species, column 17 is reserved for numbers to give each species in the local flora a unique code. Column 18 is reserved for an additional number for distinguishing varieties of the same species when needed. Genus names have been punched in col. 21-35 instead of 19-35, for the sake of convenient appearance when cards are listed without program control of spacing. Columns 36-53 (instead of 36-52) provide one more column than Gould (1962) to avoid truncating a few long names. Variety names are spelled on an extra card (col. 38-53).

The listing was arranged for a Friden Justowriter by an IBM 1401 program so that upper and lower case could be used. The Justowriter also composed the text.

The columns under County Record and the letters M, R, A, K, L respectively refer (or will refer when this information is added more completely) to occurrences within Morgan, Roane, Anderson, Knox, and Loudon Counties in Tennessee. Dashes showing gaps in records do not imply absence, but instead invite addition of new records.

SCOPE AND CONTRIBUTORS OF THE OAK RIDGE FLORA

Roane and Anderson Counties include the whole "Oak Ridge Area," in both the broader sense of the whole City of Oak Ridge, i.e., the original holdings of the U. S. Atomic Energy Commission in this vicinity, and the more limited area ("The Oak Ridge Reservation") that is still owned by the Federal government. The eastern extremity of the Reservation was transferred to The University of Tennessee, but is considered together with AEC properties and many other public and private lands as a single unit for purposes of botanical studies.

The area of most intensive study, chiefly by H. R. DeSelm and others of The University of Tennessee, in the years 1956-1960 was the drained bed of White Oak Lake, a former (and partially reflooded) impoundment for radioactive wastes. The first systematic floristic collection elsewhere in the Reservation was made by W. H. Ellis from June 15 to August 10, 1961, with special emphasis on the area to be flooded the following year by the Melton Hill Reservoir. A partial sampling of undercover vegetation of 66 forest survey plots was made in 1962 by F. P. Neumann and Michael Pelton, with identification aid by James Wolfe, Daniel Norris, J. K. Underwood and others. Dr. Norris furnished additional records and collections in 1964. Many individuals (including James Wolfe, William Cate, Fred Taylor, Simonetta Cristofolini, T. P. O'Farrell, J. A. Payne and others) have furnished additional records.

The Melton Hill Reservoir collection immediately extended the scope of the area to include at least the fringes of Loudon and Knox Counties, across the Reservoir (Clinch River) from Roane and Anderson Counties, respectively. In order to draw attention to all the species which might be expected to occur in the Oak Ridge Area proper, occurrences of species in other parts of the selected counties will also be noted. Under each county we code these by 1 for ORNL herbarium specimens, 2 for herbarium records now restricted to map data of The University of Tennessee herbarium in Knoxville and 3 for sight records.

In addition to Roane, Anderson, Loudon and Knox Counties, a column for Morgan County has been added for entries in the present list for several reasons. Its inclusion rounds out a more symmetrical 5-county area around the City of Oak Ridge, which we shall refer to as the "Oak Ridge Region." This whole region, and Morgan County in particular, are often visited by biologists and others from the Oak Ridge and Knoxville areas. Also, The University of Tennessee has forest holdings in Morgan County which eventually can be documented by comparison with records of nearby counties.

FLORAS

Names follow Gray's Manual of Botany (Fernald 1950), except for very few species, mostly those occurring beyond the range of that manual (the Kentucky-Virginia line), e.g., Oxalis dillenii Jacq. Britton and Brown's Illustrated Flora (Gleason 1952) remains a very useful one for identification.

More specific for our region is the standard reference of Small (1933). The Guide to the Vascular Flora of the Carolinas (Radford, Ahles and Bell, 1964) became available late in this study. It contains workable keys, dates of flowering and fruiting and a glossary, but fuller descriptions are reserved for a future larger flora. Blomquist and Oosting (1959) has long been helpful for identification of spring and early summer flora in North Carolina. Wilbur (1965) is equally helpful for the legume family in that state and surroundings. Eyles and Robertson (1944) provide a nontechnical introduction to aquatic plants of the Southeast.

Stupka's (1964) book on woody plants in the Smokies describes and discusses most species included here, as well as others which are restricted to the higher Appalachian Mountains. Shanks and Sharp (1950) provide a helpful key for tree identification covering the rest of Tennessee as well. Horticultural uses of native and introduced trees and shrubs in the Southeast are discussed by Wigginton (1963). Little's (1953) check list is a standard for nomenclature of North American trees.

Hitchcock and Chase (1950) provide helpful treatment of grasses, and occasionally suggest nomenclature differing from that of Fernald (e.g., Tridens flava instead of Triodia flava). Shaver (1954) provides information on Tennessee fern distribution which is included in our county records. Sharp (1955) offers useful keys to fern genera and species.

The Great Smoky Mountains are fortunately well covered by the relatively complete species check list by Hoffman (1964), and by the attractively illustrated wildflower book (Campbell et al., 1964).

The Flora of Tennessee is reported in two mimeographed sections: for Monocots (Sharp et al., 1956) and Dicots (Sharp et al., 1960). These help to relate distribution in the 5 counties covered by the present report to the broader patterns throughout Tennessee and its physiographic provinces.

Additions and corrections will be most welcome, for our local area and for revision of the State Flora. Information may be contributed to the Plant Ecology Group, Oak Ridge National Laboratory (X-10), or to The University of Tennessee Arboretum, 794 Bethel Valley Road (Solway Bridge), Oak Ridge, or to the Botany Department, University of Tennessee, Knoxville.

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APPENDIX. Part 1

INTERNATIONAL PLANT INDEX ORDER 1–4*	FAMILY 6–9	CODE 13–18	GENUS 21–35	SPECIES 36–53	COUNTY M	R	A	K	L
1552	5643	Abth	Abutilon	theophrasti	-	-	-	2	-
1441	3540	Acgr	Acalypha	gracilens	-	2	-	-	-
1441	3540	Acos	Acalypha	ostryaefolia	-	-	-	-	-
1441	3540	Acrh	Acalypha	rhomboidea	-	1	-	2	-
1441	3540	Acvi	Acalypha	virginica	-	2	-	2	-
1442	47	Acne	Acer	negundo	-	3	1	1	3
1442	47	Acni	Acer	nigrum	-	-	-	3	-
1442	47	Acpe	Acer	pensylvanicum	3	-	2	-	-
1442	47	Acru	Acer	rubrum	3	1	3	1	3
1442	47	Acru 1	Acer	rubrum	-	-	-	-	-
1442	47	Acru 1		trilobum	3	-	-	-	-
1442	47	Acsal	Acer	saccharinum	-	3	1	3	3
1442	47	Acsa	Acer	saccharum	3	1	1	3	3
1883	2248	Acla	Achillea	lanulosa	-	1	-	-	-
1883	2248	Acmi	Achillea	millefolium	3	1	1	2	3
1331	7794	Acun	Aconitum	uncinatum	-	-	-	2	-
2441	674	Acca	Acorus	calamus	-	3	-	-	-
1331	7794	Acpa	Actaea	pachypoda	-	1	3	2	-
1883	2248	Acal	Actinomeris	alternifolia	-	2	-	1	-
4104	7410	Adpe	Adiantum	pedatum	3	3	1	1	3
1442	4498	Aedi	Aesculus	discolor	-	3	-	-	-
1542	4498	Aegl	Aesculus	glabra	-	-	3	2	2
1542	4498	Aeoc	Aesculus	octandra	3	1	1	1	-
1442	4498	Aeoc 1	Aesculus	octandra	-	-	-	-	-
1442	4498	Aeoc 1		x sylvatica	-	2	-	-	-
1542	4498	Aesy	Aesculus	sylvatica	-	2	1	2	-
1442	4498	Aesy 1	Aesculus	sylvatica	-	-	-	-	-
1442	4498	Aesy 1		x pavia	-	-	-	2	-
1777	5032	Agne	Agastache	nepetoides	-	-	-	1	-
2661	361	Agvi	Agave	virginica	-	1	-	-	-
1334	8019	Aggr	Agrimonia	gryposepala	-	-	-	2	-
1334	8019	Agmi	Agrimonia	microcarpa	-	3	3	2	-
1334	8019	Agpal	Agrimonia	parviflora	-	1	2	-	-
1334	8019	Agpu	Agrimonia	pubescens	-	3	1	-	-
1334	8019	Agro	Agrimonia	rostellata	-	1	3	2	-
2221	4063	Agre	Agropyron	repens	-	1	-	-	-
1228	1683	Aggi	Agrostemma	githago	2	3	2	2	2
2221	4063	Agal	Agrostis	alba	-	2	-	2	-
2221	4063	Aghy	Agrostis	hyemalis	-	2	-	-	-
2221	4063	Agpa	Agrostis	palustris	-	3	-	2	-
2221	4063	Agsc	Agrostis	scabra	-	-	-	-	-
1441	8495	Aial	Ailanthus	altissima	3	1	1	3	3
1334	5183	Alju	Albizzia	julibrissin	3	3	1	3	3
1334	8019	Almi	Alchemilla	microcarpa	-	-	-	2	-
2112	303	Alsu	Alisma	subcordatum	-	-	1	-	-
1332	2464	Alof	Alliaria	officinalis	-	-	2	-	-
2661	5336	Alca	Allium	canadense	-	3	-	2	-

*IBM PUNCHED CARD COLUMNS

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
2661	5336	Alce	Allium	cernuum	2	-	2	-	-
2661	5336	Alvi	Allium	vineale	-	-	1	2	-
1114	1120	Alse	Alnus	serrulata	3	3	1	1	-
1552	5643	Alro	Althaea	rosea	-	-	-	2	-
1228	359	Amhy	Amaranthus	hybridus	-	-	-	2	-
1228	359	Amre	Amaranthus	retroflexus	-	-	-	-	-
1228	359	Amsp	Amaranthus	spinosus	-	-	-	2	-
1883	2248	Amar1	Ambrosia	artemisiifolia	3	2	1	3	-
1883	2248	Amar11	Ambrosia	artemisiifolia	-	-	-	-	-
1883	2248	Amar11		elatior	-	-	-	2	-
1883	2248	Ambi	Ambrosia	bidentata	-	-	-	2	-
1883	2248	Ampi	Ambrosia	pilostachya	-	2	-	2	-
1883	2248	Amtr	Ambrosia	trifida	-	2	1	2	-
1334	8019	Amar	Amelanchier	arborea	3	3	3	3	3
1334	8019	Amla	Amelanchier	laevis	3	-	3	-	-
1334	8019	Amob	Amelanchier	oblongifolia	-	-	-	-	3
1334	5183	Amfr	Amorpha	fruticosa	-	1	1	1	-
1334	5183	Amgl	Amorpha	glabra	-	-	-	-	3
1776	782	Amal	Ampelamus	albidus	-	-	-	2	-
1551	9704	Amco	Ampelopsis	cordata	-	-	1	-	-
1334	5183	Ambr	Amphicarpa	bracteata	-	2	2	2	2
1776	650	Amta	Amsonia	tabernaemontana	-	2	2	2	-
1773	7508	Anar	Anagallis	arvensis	-	-	1	2	-
1883	2248	Anma	Anaphalis	margaritacea	-	-	2	-	-
2221	4063	Ange	Andropogon	gerardi	2	2	1	2	-
2221	4063	Ansa	Andropogon	saccharoides	-	-	-	2	-
2221	4063	Ansc	Andropogon	scoparius	2	2	1	2	-
2221	4063	Ante	Andropogon	ternarius	-	2	-	-	-
2221	4063	Anvi	Andropogon	virginicus	2	1	3	2	3
2221	4063	Anvi 1	Andropogon	virginicus	-	-	-	-	-
2221	4063	Anvi 1		abbreviatus	2	-	-	-	-
1331	7794	Anca	Anemone	canadensis	-	-	-	2	-
1331	7794	Anla	Anemone	lancifolia	-	2	2	2	-
1331	7794	Anqu	Anemone	quinquefolia	-	3	2	-	-
1331	7794	Anvil	Anemone	virginiana	-	1	1	1	-
1331	7794	Anth	Anemonella	thalictroides	-	1	1	2	2
1663	9538	Antr	Angelica	triquinata	-	1	-	-	-
1663	9538	Anve	Angelica	venenosa	-	3	3	-	-
1883	2248	Anne	Antennaria	neglecta	-	-	-	2	-
1883	2248	Anpl	Antennaria	plantaginifolia	-	1	1	2	-
1883	2248	Anso	Antennaria	solitaria	-	-	2	2	-
1883	2248	Ansp	Antennaria	sp	-	-	-	-	-
1883	2248	Anco	Anthemis	cotula	-	-	2	2	-
1334	5183	Apam	Apios	americana	-	1	1	1	1
1334	5183	Appr	Apios	priceana	-	-	1	-	-
1776	650	Apca	Apocynum	cannabinum	-	2	2	2	-
1776	650	Apme	Apocynum	medium	-	2	-	-	-
1331	7794	Aqca	Aquilegia	canadensis	-	2	1	2	-
1332	2464	Arth	Arabidopsis	thaliana	-	2	2	2	-
1332	2464	Aral	Arabis	alpina	-	-	2	-	-
1332	2464	Arca	Arabis	canadensis	-	-	2	-	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1332	2464	Arla	Arabis	laevigata	-	3	2	2	2
1663	6810	Arnu	Aralia	nudicaulis	-	-	-	-	1
1663	6810	Arra	Aralia	racemosa	2	3	-	-	-
1663	681	Arsp	Aralia	spinosa	-	2	1	2	-
1883	2248	Armi	Arctium	minus	-	-	-	1	-
1228	1683	Arpa	Arenaria	patula	-	-	2	2	-
1228	1683	Arse1	Arenaria	serpyllifolia	-	-	2	2	-
2441	674	Arat 1	Arisaema	atrorubens	-	-	-	-	-
2441	674	Arat 1		fo. zebrinum	-	3	-	-	-
2441	674	Ardr	Arisaema	dracontium	-	2	1	-	-
2441	674	Artr	Arisaema	triphyllum	2	1	1	2	3
2221	4063	Ardi	Aristida	dichotoma	-	2	-	-	-
2221	4063	Ardi 1	Aristida	dichotoma	-	-	-	-	-
2221	4063	Ardi 1		curtissii	-	-	-	2	-
2221	4063	Arlo	Aristida	longispica	-	1	-	-	-
2221	4063	Arpu	Aristida	purpurascens	-	-	-	2	-
1225	739	Ardu	Aristolochia	durior	-	-	-	3	-
1225	739	Arse	Aristolochia	serpentaria	2	3	3	2	-
1883	2248	Aran	Artemisia	annua	-	-	-	2	-
2221	4063	Arhi 1	Arthraxon	hispidus	-	-	-	-	-
2221	4063	Arhi 1		cryptotherus	-	2	2	-	-
1334	8019	Ardi1	Aruncus	dioicus	2	-	-	-	1
2221	4063	Argi	Arundinaria	gigantea	-	1	3	-	-
1225	739	Asar	Asarum	arifolium	-	2	1	2	3
1225	739	Asca	Asarum	canadense	-	-	2	-	-
1225	739	Asru	Asarum	ruthii	-	1	1	-	-
1225	739	Asvi	Asarum	virginicum	-	-	-	-	-
1776	782	Asam	Asclepias	amplexicaulis	-	2	-	2	-
1776	782	Asex	Asclepias	exaltata	2	-	-	-	-
1776	782	Asin	Asclepias	incarnata	-	3	-	2	-
1776	782	Asin 1	Asclepias	incarnata	-	-	-	-	-
1776	782	Asin 1		pulchra	-	-	-	2	-
1776	782	Aslo	Asclepias	longifolia	-	1	-	-	-
1776	782	Asqu	Asclepias	quadrifolia	2	-	2	2	2
1776	782	Assy	Asclepias	syriaca	-	1	-	2	-
1776	782	Astu	Asclepias	tuberosa	3	1	1	2	2
1776	782	Asva	Asclepias	variegata	2	2	1	2	-
1776	782	Asve	Asclepias	verticillata	-	1	2	2	2
1776	782	Asvi	Asclepias	viridiflora	-	1	-	2	2
1553	4145	Ashy	Ascyrum	hypericoides	2	3	1	2	-
1553	4145	Ashy 1	Ascyrum	hypericoides	-	-	-	-	-
1553	4145	Ashy 1		multicaule	2	-	2	2	-
1553	4145	Asst	Ascyrum	stans	3	-	-	-	-
1331	539	Astr	Asimina	triloba	3	3	1	2	-
2661	5336	Asof	Asparagus	officinalis	-	-	-	2	-
4104	7410	Asbr	Asplenium	bradleyi	3	3	3	-	-
4104	7410	Asmo	Asplenium	montanum	3	3	3	3	-
4104	7410	Aspi1	Asplenium	pinnatifidum	-	3	-	-	-
4104	7410	Aspl	Asplenium	platyneuron	3	1	1	3	1
4104	7410	Aspl 1	Asplenium	platyneuron	-	-	-	-	-
4104	7410	Aspl 1		incisum	3	-	-	-	3
4104	7410	Asre	Asplenium	resiliens	-	3	3	3	3

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
4104	7410	Asru 1	Asplenium	ruta-muraria	-	-	-	-	-
4104	7410	Asru 1		cryptolepis	-	3	3	3	-
4104	7410	Astr1	Asplenium	trichomanes	-	3	-	3	-
1883	2248	Asco	Aster	concolor	-	2	-	-	-
1883	2248	Ascu	Aster	curtissii	-	-	-	2	-
1883	2248	Asdi	Aster	divaricatus	-	-	-	2	-
1883	2248	Asdu	Aster	dumosus	-	1	-	-	-
1883	2248	Asin1	Aster	infirmus	-	-	-	2	-
1883	2248	Asla	Aster	lateriflorus	2	2	-	2	-
1883	2248	Asli	Aster	linearifolius	-	2	-	2	-
1883	2248	Aslo1	Aster	lowrieanus	-	-	2	-	-
1883	2248	Asob	Aster	oblongifolius	-	-	-	2	-
1883	2248	Aspa	Aster	patens	-	2	-	2	-
1883	2248	Aspa 1	Aster	patens	-	-	-	-	-
1883	2248	Aspa 1		phlogifolius	-	-	-	2	-
1883	2248	Aspi	Aster	pilosus	-	1	2	2	2
1883	2248	Aspi 1	Aster	pilosus	-	-	-	-	-
1883	2248	Aspi 1		platyphyllus	-	2	2	2	-
1883	2248	Aspr	Aster	prenanthoides	-	-	-	2	-
1883	2248	Aspu	Aster	puniceus	-	-	-	2	-
1883	2248	Assc	Aster	schreberi	-	-	-	-	1
1883	2248	Asse	Aster	sericeus	-	2	-	-	-
1883	2248	Assh	Aster	shortii	-	-	-	2	-
1883	2248	Assi	Aster	simplex	-	-	-	2	-
1883	2248	Assu	Aster	surculosus	-	2	-	2	-
1883	2248	Asun	Aster	undulatus	2	2	2	2	-
1883	2248	Asvi2	Aster	vimineus	-	-	-	2	-
1883	2248	Assp	Aster	spp.	-	-	-	-	-
1334	8202	Asbi	Astilbe	biternata	-	-	2	2	-
4104	7410	Atfi 1	Athyrium	filix-femina	-	-	-	-	-
4104	7410	Atfi 1		asplenioides	3	1	3	-	-
4104	7410	Atpy	Athyrium	pycnocarpon	-	3	1	3	1
4104	7410	Atth	Athyrium	thelypteroides	-	3	-	-	-
1777	8351	Aupa	Aureolaria	patula	-	2	-	2	-
1332	2464	Bave	Barbarea	verna	-	2	1	2	-
1332	2464	Bavu	Barbarea	vulgaris	-	-	1	2	-
1776	3880	Bavi	Bartonia	virginica	2	-	-	-	-
2661	4787	Bech	Belamcanda	chinensis	-	-	3	1	-
1331	1090	Beca	Berberis	canadensis	2	3	-	2	-
1114	1120	Bele	Betula	lenta	2	2	3	-	-
1883	2248	Bibi	Bidens	bipinnata	-	1	-	1	-
1883	2248	Bice	Bidens	cernua	-	-	-	2	-
1883	2248	Bico	Bidens	comosa	-	-	-	2	-
1883	2248	Bico 1	Bidens	connata	-	-	-	-	-
1883	2248	Bico 1		petiolata	-	2	-	2	-
1883	2248	Bifr	Bidens	frondosa	-	2	-	2	-
1883	2248	Bila	Bidens	laevis	-	-	-	2	-
1883	2248	Bipo	Bidens	polylepis	-	-	-	2	-
1883	2248	Bivu	Bidens	vulgata	-	-	-	2	-
1777	1136	Bica	Bignonia	capreolata	3	1	1	2	1
1777	5032	Blci	Blephilia	ciliata	-	-	1	-	-

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1777	5032	Blhi	Blephilia	hirsuta	-	-	-	2	-
1221	9578	Bocy	Boehmeria	cylindrica	-	2	1	-	-
4104	6532	Bodi 1	Botrychium	dissectum	-	-	-	-	-
4104	6532	Bodi 1		fo. obliquum	-	3	-	-	3
4104	6532	Bodi 2	Botrychium	dissectum	-	-	-	-	-
4104	6532	Bodi 2		tenuifolium	3	-	3	-	-
4104	6532	Bovi	Botrychium	virginianum	3	1	1	3	3
1334	8202	Boac	Boykinia	aconitifolia	2	-	-	-	-
1332	2464	Brju	Brassica	juncea	-	-	-	2	-
1332	2464	Brka	Brassica	kaber	-	-	-	2	-
1332	2464	Brni	Brassica	nigra	-	3	3	-	-
1332	2464	Brra	Brassica	rapa	-	3	2	2	-
2221	4063	Brja	Bromus	japonicus	-	1	3	-	3
2221	4063	Brpu	Bromus	purgans	-	1	-	-	-
2221	4063	Brral	Bromus	racemosus	-	1	-	-	-
1777	8351	Buam	Buchnera	americana	2	2	-	-	-
1775	8149	Buly	Bumelia	lycioides	-	2	-	3	-
1663	9538	Buro	Bupleurum	rotundifolium	-	-	-	2	-
1883	2248	Caat	Cacalia	atriplicifolia	-	1	1	-	-
1883	2248	Camul	Cacalia	muhlenbergii	2	-	-	-	-
1883	2248	Care	Cacalia	reniforme	-	-	-	2	-
1777	9654	Caaml	Callicarpa	americana	-	-	3	-	-
1441	1499	Cahe	Callitriche	heterophylla	2	2	-	-	-
1331	1525	Cafl 1	Calycanthus	floridus	-	-	-	-	-
1331	1525	Cafl 1		laevigatus	2	2	2	-	-
1332	2464	Cami	Camelina	microcarpa	-	-	-	2	-
1883	1562	Caam	Campanula	americana	-	-	1	1	-
1883	1562	Cadil	Campanula	divaricata	-	2	1	-	-
1777	1136	Cara	Campsis	radicans	3	1	1	1	3
4104	7410	Carh	Camptosorus	rhizophyllus	3	3	3	3	1
1332	2464	Cabu	Capsella	bursa-pastoris	-	3	2	2	-
1332	2464	Cabul	Cardamine	bulbosa	-	1	2	2	-
1332	2464	Cado	Cardamine	douglassii	-	-	-	2	-
1332	2464	Cahi	Cardamine	hirsuta	-	3	3	2	-
1332	2464	Capall	Cardamine	parviflora	-	-	-	-	-
1332	2464	Capall		arenicola	-	-	2	2	-
1332	2464	Cape	Cardamine	pennsylvanica	-	-	-	-	-
2222	2614	Caar	Carex	artitecta	-	3	3	2	-
2222	2614	Caba	Carex	baileyi	-	2	-	-	-
2222	2614	Cacal	Carex	caroliniana	-	1	3	-	-
2222	2614	Cace	Carex	cephalophora	-	1	-	-	-
2222	2614	Cacol	Carex	complanata	2	2	-	-	-
2222	2614	Caco4	Carex	convoluta	-	1	-	-	-
2222	2614	Caco3	Carex	corrugata	-	1	-	-	-
2222	2614	Cacr	Carex	crinita	-	-	1	-	-
2222	2614	Cadi	Carex	digitalis	-	1	-	-	-
2222	2614	Caem	Carex	emmonsii	-	1	3	-	-
2222	2614	Cafe	Carex	festucacea	-	2	-	-	-
2222	2614	Cafr	Carex	frankii	3	2	1	2	-
2222	2614	Cafrl	Carex	fraseri	-	1	-	-	-
2222	2614	Cagrl	Carex	granularis	-	2	-	-	-
2222	2614	Cagr	Carex	grayii	-	-	1	-	-

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2222	2614	Cahil	Carex	hirsutella	2	1	1	2	-
2222	2614	Cala	Carex	laxiflora	-	1	3	2	-
2222	2614	Cale	Carex	leavenworthii	-	-	3	-	-
2222	2614	Calu	Carex	lurida	-	2	1	-	-
2222	2614	Came	Carex	mesochorea	-	-	-	-	-
2222	2614	Camu	Carex	muhlenbergii	-	-	-	-	-
2222	2614	Cani	Carex	nigromarginata	-	3	-	-	-
2222	2614	Capel	Carex	pensylvanica	-	1	1	-	-
2222	2614	Capl	Carex	platyphylla	-	-	-	-	-
2222	2614	Caral	Carex	radiata	2	3	-	-	-
2222	2614	Caro	Carex	rosea	-	3	-	-	-
2222	2614	Cash	Carex	shortiana	-	2	-	-	-
2222	2614	Caspl	Carex	spp.	-	1	-	-	-
2222	2614	Cast	Carex	striatula	-	1	2	-	-
2222	2614	Cate	Carex	texensis	-	3	3	-	-
2222	2614	Catr	Carex	tribuloides	-	2	-	-	-
2222	2614	Cavu	Carex	vulpinoidea	-	2	1	-	-
2222	2614	Cawi	Carex	wildenowii	-	1	-	-	-
1883	2248	Catol	Carphephorus	tomentosus	-	1	-	-	-
1114	1120	Caca	Carpinus	caroliniana	3	3	1	1	-
1111	4879	Caco	Carya	cordiformis	3	1	1	3	-
1111	4879	Cagl	Carya	glabra	3	1	3	3	-
1111	4879	Caovl	Carya	ovalis	3	3	3	3	-
1111	4879	Caov	Carya	ovata	3	1	1	3	-
1111	4879	Capa	Carya	pallida	3	3	-	-	-
1111	4879	Cato	Carya	tomentosa	3	1	3	1	3
1334	5183	Cafa	Cassia	fasciculata	-	1	1	2	2
1334	5183	Cama	Cassia	marilandica	-	3	2	1	2
1334	5183	Canil	Cassia	nictitans	-	2	2	2	1
1334	5183	Caob	Cassia	obtusifolia	-	-	-	-	1
1334	5183	Catol	Cassia	tora	-	1	-	1	-
1114	3619	Cade	Castanea	dentata	3	1	3	3	-
1114	3619	Capu	Castanea	pumila	3	-	-	3	-
1777	8351	Caco2	Castilleja	coccinea	2	2	-	-	-
1777	1136	Cabi	Catalpa	bignonioides	-	-	1	-	-
1777	1136	Casp	Catalpa	speciosa	-	-	3	3	3
1331	1090	Cath	Caulophyllum	thalictroides	2	1	2	2	-
1551	7882	Ceam	Ceanothus	americanus	3	3	1	2	-
1442	1743	Cesc	Celastrus	scandens	-	-	3	2	-
1221	9532	Cela	Celtis	laevigata	-	1	3	2	3
1221	9532	Ceoc	Celtis	occidentalis	-	3	1	3	3
2221	4063	Cepa	Cenchrus	pauciflorus	-	-	-	-	1
1883	2248	Cecy	Centaurea	cyanus	-	3	2	2	-
1883	2248	Cema	Centaurea	maculosa	-	-	-	2	-
1334	5183	Cevil	Centrosema	virgi	-	1	-	1	-
1881	8045	Ceocl	Cephalanthus	occidentalis	2	1	1	1	3
1228	1683	Ceho	Cerastium	holosteum	-	-	1	-	-
1228	1683	Cenu	Cerastium	nutans	-	2	2	2	-
1228	1683	Cevi	Cerastium	viscosum	-	1	2	2	-
1228	1683	Cevu	Cerastium	vulgatum	-	1	2	-	1
1334	5183	Ceca	Cercis	canadensis	-	1	1	1	3

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1663	9538	Chpr	Chaerophyllum	procumbens	-	-	-	2	-
1663	9538	Chta	Chaerophyllum	tainturieri	-	3	2	2	-
2661	5336	Chlu	Chamaelirium	luteum	2	3	2	2	-
4104	7410	Chal1	Cheilanthes	alabamensis	-	3	3	3	-
4104	7410	Chla	Cheilanthes	lanosa	-	-	-	3	-
1777	8351	Chgl	Chelone	glabra	2	2	-	2	3
1228	1932	Chal	Chenopodium	album	-	1	2	2	-
1228	1932	Cham	Chenopodium	ambrosioides	-	2	-	2	-
1228	1932	Chbo	Chenopodium	boscianum	-	-	-	2	-
1772	7725	Chma	Chimaphila	maculata	2	2	1	2	2
1776	6480	Chvi	Chionanthus	virginicus	-	3	3	3	-
1883	2248	Chle	Chrysanthemum	leucanthemum	2	1	1	2	-
1883	2248	Chma1	Chrysopsis	mariana	-	2	2	2	-
1883	2248	Chne	Chrysopsis	nervosa	-	2	-	-	-
1883	2248	Chpi	Chrysopsis	pilosa	-	-	-	2	-
1883	2248	Ciin	Cichorium	intybus	-	2	1	2	-
1663	9538	Cima	Cicuta	maculata	2	1	1	2	-
1331	7794	Cira	Cimicifuga	racemosa	-	-	1	2	-
1331	7794	Cira 1	Cimicifuga	racemosa	-	-	-	-	-
1331	7794	Cira 1		cordifolia	-	-	2	2	-
1331	7794	Ciru	Cimicifuga	rubifolia	-	-	1	-	-
2221	4063	Ciar1	Cinna	arundinacea	2	2	-	-	-
1662	6509	Cica	Circaea	canadensis	-	1	1	2	-
1883	2248	Ciar	Cirsium	arvense	-	-	-	-	-
1883	2248	Cica1	Cirsium	carolinianum	2	-	-	-	-
1883	2248	Cidi	Cirsium	discolor	-	3	-	2	2
1883	2248	Cila	Cirsium	lanceolatum	-	-	-	-	-
1883	2248	Civu	Cirsium	vulgare	-	2	1	2	-
1883	2248	Cisp	Cirsium	sp.	-	-	-	-	-
1334	5183	Cllu	Cladrastis	lutea	-	-	2	2	-
1228	1683	Clca	Claytonia	caroliniana	-	-	2	2	-
1228	1683	Clvi	Claytonia	virginica	-	1	2	2	2
1331	7794	Clpa	Clematis	paniculata	-	-	-	2	-
1331	7794	Clvi2	Clematis	viorna	-	1	1	1	2
1331	7794	Clvi1	Clematis	virginana	2	2	1	2	-
1772	2109	Clac	Clethra	acuminata	3	-	-	-	-
2661	5336	Clum	Clintonia	umbellulata	-	-	-	-	-
1228	1683	Clma	Clitoria	mariana	-	3	2	2	1
1883	2248	Cnbe	Cnicus	benedictus	-	-	2	-	-
1331	5830	Coca1	Cocculus	carolinus	-	1	1	1	-
1777	5032	Coca	Collinsonia	canadensis	2	-	2	2	1
1777	6592	Coam2	Conopholis	americana	-	1	2	2	2
1777	5032	Cove2	Conradina	verticillata	2	-	-	-	-
1777	2277	Coar	Convolvulus	arvensis	-	-	-	2	-
1777	2277	Cose	Convolvulus	sepium	-	1	1	1	-
1777	2277	Cose 1	Convolvulus	sepium	-	-	-	-	-
1777	2277	Cose 1		americanus	-	-	-	2	-
1777	2277	Cose 2	Convolvulus	sepium	-	-	-	-	-
1777	2277	Cose 2		fraterniflorus	-	-	-	2	-
1777	2277	Cosp	Convolvulus	spithamaeus	-	-	2	2	-

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1777	2277	Cosp 1	Convolvulus	spithamaeus	-	-	-	-	-
1777	2277	Cosp 1		pubescens	-	-	2	-	-
1883	2248	Coca2	Conyza	canadensis	-	-	-	2	-
1883	2248	Coau	Coreopsis	auriculata	2	2	2	2	2
1883	2248	Cocr	Coreopsis	crassifolia	-	2	-	2	-
1883	2248	Cola	Coreopsis	lanceolata	-	-	-	-	-
1883	2248	Cola 1	Coreopsis	lanceolata	-	-	-	-	-
1883	2248	Çola 1		villosa	-	-	-	2	-
1883	2248	Coma	Coreopsis	major	2	2	1	1	-
1883	2248	Copu	Coreopsis	pubescens	2	2	-	2	-
1883	2248	Coro	Coreopsis	rosea	-	2	-	-	-
1883	2248	Coti	Coreopsis	tinctoria	3	1	3	2	3
1883	2248	Cotr	Coreopsis	tripteris	-	-	-	2	-
1883	2248	Cove	Coreopsis	verticillata	-	2	-	-	-
1663	2321	Coal	Cornus	alternifolia	-	3	3	-	-
1663	2321	Coam1	Cornus	amomum	3	3	1	3	-
1663	2321	Cofl	Cornus	florida	3	3	1	1	3
1663	2321	Cost	Cornus	stricta	-	2	-	-	-
1334	5183	Cova	Coronilla	varia	-	-	2	2	-
1332	6760	Cofl1	Corydalis	flavula	-	-	-	2	-
1114	3619	Coam	Corylus	americana	3	3	3	3	-
1883	2248	Cobi	Cosmos	bipinnatus	-	-	-	2	-
1334	8019	Crbe	Crataegus	berberifolia	-	-	-	3	-
1334	8019	Crbo	Crataegus	boyntoni	2	2	-	-	-
1334	8019	Crcr	Crataegus	crus-galli	-	2	-	-	-
1334	8019	Crcr 1	Crataegus	crus-galli	-	-	-	-	-
1334	8019	Crcr 1		macra	-	2	-	-	-
1334	8019	Crdi	Crataegus	disperma	-	3	-	-	-
1334	8019	Crma	Crataegus	macrosperma	-	-	-	3	-
1334	8019	Crma 1	Crataegus	macrosperma	-	-	-	-	-
1334	8019	Crma 1		roanensis	-	-	-	3	-
1334	8019	Crru	Crataegus	rubella	-	-	-	3	-
1334	8019	Crspl	Crataegus	spathulata	3	-	-	-	-
1334	8019	Crsp	Crataegus	spp.	-	1	1	-	-
1334	8019	Crun	Crataegus	uniflora	-	-	-	2	-
1883	2248	Crpu	Crepis	pulchra	-	-	2	2	-
1883	2248	Crte	Crepis	tectorum	-	-	-	2	-
1334	5183	Crsa	Crotalaria	sagittalis	-	3	-	2	-
1441	3540	Crgl	Croton	glandulosus	-	-	-	2	-
1441	3540	Crmo	Croton	monanthogynus	-	-	-	2	2
1663	9538	Crca	Cryptotaenia	canadensis	-	-	2	2	-
1777	5032	Cuor	Cunila	origanoides	-	-	2	-	-
1662	5540	Cupe1	Cuphea	petiolata	-	-	-	2	-
1777	2277	Cuca	Cuscuta	campestris	-	2	2	2	1
1777	2277	Cugr	Cuscuta	gronovii	-	2	-	2	-
1777	2277	Cupe	Cuscuta	pentagona	-	-	-	1	-
1777	2277	Cupo	Cuscuta	polygonorum	-	3	-	-	-
1334	8019	Cyja	Cydonia	japonica	-	-	-	3	-
2221	4063	Cyda	Cynodon	dactylon	-	2	-	2	-
1777	1239	Cyof	Cynoglossum	officinalis	-	-	-	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1777	1239	Cyvi	Cynoglossum	virginianum	2	1	2	2	2
2222	2614	Cyfe	Cyperus	ferruginescens	-	2	-	-	-
2222	2614	Cyla	Cyperus	lancastriensis	-	3	-	-	-
2222	2614	Cyod	Cyperus	odoratus	-	2	1	-	-
2222	2614	Cyov	Cyperus	ovularius	-	1	-	-	-
2222	2614	Cyre	Cyperus	retrofractus	-	-	1	-	-
2222	2614	Cyst	Cyperus	strigosus	-	2	1	2	-
4104	7410	Cybu	Cystopteris	bulbifera	-	1	1	3	1
4104	7410	Cyfr 1	Cystopteris	fragilis	-	-	-	-	-
4104	7410	Cyfr 1		mackavii	-	-	-	-	3
4104	7410	Cyfr 2	Cystopteris	fragilis	-	-	-	-	-
4104	7410	Cyfr 2		protrusa	-	3	3	3	3
2221	4063	Dagl	Dactylis	glomerata	-	-	1	2	-
2221	4063	Dasp	Danthonia	spicata	2	2	-	-	-
1777	8563	Dast	Datura	stramonium	-	-	1	-	-
1663	9538	Daca	Daucus	carota	-	1	1	1	3
1331	7794	Decal	Delphinium	carolinianum	-	3	-	-	-
1331	7794	Deex	Delphinium	exaltatum	-	-	1	-	-
1331	7794	Detr	Delphinium	tricorne	-	2	2	2	2
4104	7410	Depu	Dennstaedtia	punctilobula	3	3	3	3	-
1332	2464	Dedi	Dentaria	diphylla	-	1	2	2	-
1332	2464	Dehe	Dentaria	heterophylla	-	3	2	2	-
1332	2464	Dela	Dentaria	laciniata	-	2	2	2	-
1332	2464	Depi 1	Descurania	pinnata	-	-	-	-	-
1332	2464	Depi 1		brachycarpa	-	3	2	2	-
1334	5183	Deac	Desmodium	acuminatum	-	-	-	2	-
1334	5183	Deca	Desmodium	canadense	-	-	-	2	-
1334	5183	Decal	Desmodium	canescens	-	-	-	2	-
1334	5183	Deci	Desmodium	ciliare	-	2	2	-	-
1334	5183	Decu	Desmodium	cuspidatum	-	-	-	-	-
1334	5183	Dedil	Desmodium	dillenii	-	2	-	2	-
1334	5183	Degl	Desmodium	glutinosum	-	1	2	2	-
1334	5183	Delal	Desmodium	laevigatum	-	3	3	-	-
1334	5183	Dema	Desmodium	marilandicum	-	3	2	2	-
1334	5183	Denu	Desmodium	nudiflorum	-	3	1	1	-
1334	5183	Denul	Desmodium	nuttallii	-	3	3	-	-
1334	5183	Deoc	Desmodium	ochraleucum	-	-	-	2	-
1334	5183	Depal	Desmodium	pauciflorum	-	-	1	2	1
1334	5183	Depa	Desmodium	paniculatum	-	-	3	2	2
1334	5183	Derh	Desmodium	rhombifolia	-	-	-	2	-
1334	5183	Deri	Desmodium	rigidum	-	1	-	2	-
1334	5183	Dero	Desmodium	rotundifolium	-	3	1	2	-
1334	5183	Desp	Desmodium	spp.	-	-	1	-	-
1334	5183	Devi	Desmodium	viridiflorum	-	2	3	2	-
1228	1683	Diar	Dianthus	armeria	-	1	1	2	-
1332	6760	Dica	Dicentra	canadensis	-	-	-	2	-
1332	6760	Dicu	Dicentra	cucullaria	-	3	-	-	-
1881	1619	Dilo	Diervilla	lonicera	-	-	2	-	-
2221	4063	Difi	Digitaria	filiformis	-	1	-	-	-
2221	4063	Disa	Digitaria	sanguinalis	-	1	-	-	-
1881	8045	Dite	Diodia	teres	-	2	2	2	1
1881	8045	Divil	Diodia	virginiana	2	1	1	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
2661	2957	Diba	Dioscorea	batatas	-	-	3	1	-
2661	2957	Dihi	Dioscorea	hirticaulis	-	1	-	-	-
2661	2957	Diqu	Dioscorea	quaternata	-	1	1	2	1
1775	3205	Divi	Diospyros	virginiana	3	3	1	1	3
1881	3001	Disy	Dipsacus	sylvestris	-	1	-	2	-
1662	9221	Dipa	Dirca	palustris	3	3	2	-	-
2661	5336	Dila	Disporum	lanuginosum	-	2	2	2	-
2661	5336	Dima	Disporum	maculatum	-	-	2	2	-
1773	7508	Dome 1	Dodecatheon	meadia	-	-	-	-	-
1773	7508	Dome 1		alba	-	-	2	2	-
1332	2464	Drbr	Draba	brachycarpa	-	3	2	2	-
1332	2464	Drve	Draba	verna	-	2	2	2	-
1777	5032	Drvi	Dracocephalum	virginianum	-	2	1	2	-
1333	3139	Drin	Drosera	intermedia	2	-	-	-	-
4104	7410	Drex	Dryopteris	hexagonoptera	3	1	1	3	3
4104	7410	Drin	Dryopteris	intermedia	2	3	-	-	-
4104	7410	Drin 1	Dryopteris	intermedia	-	-	-	-	-
4104	7410	Drin 1		fructuosa	3	-	-	-	-
4104	7410	Drma	Dryopteris	marginalis	3	3	3	3	3
4104	7410	Drno	Dryopteris	noveboracensis	3	3	3	-	-
4104	7410	Drth	Dryopteris	thelypteris	-	-	-	3	-
1334	8019	Duin	Duchesnea	indica	-	3	2	1	1
1883	2248	Ecpa	Echinacea	pallida	-	2	-	-	-
1883	2248	Ecpu	Echinacea	purpurea	-	2	-	-	-
2221	4063	Eccr	Echinochloa	crusgalli	-	2	-	-	-
2221	4063	Eccr 1	Echinochloa	crusgalli	-	-	-	-	-
2221	4063	Eccr 1		frumentacea	-	2	-	-	-
2221	4063	Ecpul	Echinochloa	pungens	-	-	-	2	-
1883	2248	Ecal	Eclipta	alba	-	2	1	2	-
2222	2614	Elob	Eleocharis	obtusa	-	3	1	-	-
1883	2248	Elca	Elephantopus	carolinianus	-	-	1	2	-
1883	2248	Elto	Elephantopus	tomentosus	-	2	1	2	-
2221	4063	Elin	Eleusine	indica	-	1	-	-	-
2221	4063	Elvil	Elymus	villosus	-	1	1	-	-
2221	4063	Elvi	Elymus	virginicus	-	1	-	1	-
1777	6592	Epvi	Epifagus	virginiana	-	-	-	2	-
1772	3429	Epre	Epigaea	repens	2	2	2	2	-
1662	6509	Epco	Epilobium	coloratum	-	2	-	-	-
1662	6509	Epgl 1	Epilobium	glandulosum	-	-	-	-	-
1662	6509	Epgl 1		adenocaulon	2	-	-	-	-
4225	3401	Eqar	Equisetum	arvense	-	-	-	3	-
2221	4063	Ercal	Eragrostis	capillaris	-	-	-	-	-
2221	4063	Erhi	Eragrostis	hirsuta	-	1	-	-	1
2221	4063	Erhy	Eragrostis	hypnoides	-	2	-	-	-
1883	2248	Erhi	Erechtites	hieracifolia	-	2	-	2	-
2221	4063	Eral	Erianthus	alopecuroides	2	-	-	-	-
1663	9538	Erbu	Erigenia	bulbosa	-	3	-	2	-
1883	2248	Eran	Erigeron	annuus	3	1	3	2	1
1883	2248	Erca	Erigeron	canadensis	-	2	-	2	-
1883	2248	Erph	Erigeron	philadelphicus	-	3	2	2	-
1883	2248	Erpu	Erigeron	pulchellus	-	2	2	2	-
1883	2248	Erra	Erigeron	ramosus	-	3	1	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1883	2248	Erst	Erigeron	strigosus	-	2	1	-	-
1883	2248	Erst 1	Erigeron	strigosus	-	-	-	-	-
1883	2248	Erst 1		beyrichii	-	2	-	-	-
1883	2248	Ersp	Erigeron	spp.	-	-	-	-	-
1441	3895	Erci	Erodium	cicutarium	-	-	-	2	-
1663	9538	Eryu	Eryngium	yuccifolium	2	2	-	2	-
1332	2464	Erch	Erysimum	cheiranthoides	-	-	1	2	-
1332	2464	Erre	Erysimum	repandum	-	-	2	2	-
2661	5336	Eram	Erythronium	americanum	-	2	2	2	-
131s	6760	Esca	Escholzia	californica	-	-	-	2	-
2221	4063	Euvi	Eulalia	viminea	2	1	2	2	-
1442	1753	Euam	Euonymus	americanus	3	1	1	2	3
1442	1753	Euat	Euonymus	atropurpureus	-	3	3	2	-
1442	1753	Euob	Euonymus	obovatus	-	-	3	3	-
1883	2248	Eual	Eupatorium	album	-	-	-	2	-
1883	2248	Eual1	Eupatorium	altissimum	-	2	-	2	2
1883	2248	Euar	Eupatorium	aromaticum	-	2	-	2	-
1883	2248	Euco1	Eupatorium	coelestinum	-	2	2	2	-
1883	2248	Eufi	Eupatorium	fistulosum	-	3	2	1	-
1883	2248	Euhy	Eupatorium	hyssopifolium	-	2	2	2	-
1883	2248	Euin	Eupatorium	incarnatum	-	-	-	2	2
1883	2248	Eupe	Eupatorium	perfoliatum	2	-	-	-	-
1883	2248	Eupi	Eupatorium	pilosum	2	-	-	-	-
1883	2248	Eupu	Eupatorium	purpureum	-	3	-	-	-
1883	2248	Euro	Eupatorium	rotundifolium	2	1	-	-	-
1883	2248	Euru	Eupatorium	rugosum	-	-	-	2	1
1883	2248	Euru 1	Eupatorium	rugosum	-	-	-	-	-
1883	2248	Euru 1		roanense	-	-	2	2	-
1883	2248	Euse	Eupatorium	serotinum	-	2	2	2	-
1883	2248	Euse1	Eupatorium	sessilifolium	-	1	-	2	1
1883	2248	Eusp	Eupatorium	spp.	-	-	-	-	-
1441	3540	Euco2	Euphorbia	commutata	-	-	2	-	-
1441	3540	Euco	Euphorbia	corollata	-	1	1	1	2
1441	3540	Eude	Euphorbia	dentata	-	-	-	2	-
1441	3540	Euhu	Euphorbia	humistrata	-	1	-	-	-
1441	3540	Euma1	Euphorbia	marginata	-	2	-	2	-
1441	3540	Euma	Euphorbia	maculata	-	1	1	-	-
1441	3540	Eume	Euphorbia	mercurialina	-	1	2	2	2
1227	7404	Fasa	Fagopyrum	sagittatum	-	1	-	-	-
1114	3619	Fagr	Fagus	grandifolia	3	3	1	3	3
2221	4063	Feel	Festuca	elatior	-	-	1	-	3
2221	4063	Feel 1	Festuca	elatior	-	-	-	-	-
2221	4063	Feel 1		arundinacea	-	1	-	-	-
2222	2614	Fiau	Fimbristylis	autumnalis	2	2	-	-	-
1334	8019	Frvi	Fragaria	virginiana	-	3	1	-	3
1334	8019	Frvi 1	Fragaria	virginiana	-	-	-	-	-
1334	8019	Frvi 1		australis	-	-	2	2	-
1334	8019	Frvi 2	Fragaria	virginiana	-	-	-	-	-
1334	8019	Frvi 2		illinoensis	-	2	2	2	-
1776	6480	Fram	Fraxinus	americana	3	1	3	3	3
1776	6480	Fram 1	Fraxinus	americana	-	-	-	-	-
1776	6480	Fram 1		biltimoreana	-	1	3	1	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1776	6480	Frpe	Fraxinus	pennsylvanica	-	2	-	2	-
1776	6480	Frpe 1	Fraxinus	pennsylvanica	-	-	-	-	-
1776	6480	Frpe 1		subintegerrimum	-	1	1	1	3
1776	6480	Frqu	Fraxinus	quadrangulata	-	1	1	3	-
1334	5183	Gare	Galactia	regularis	-	3	1	-	-
1334	5183	Gavo	Galactia	volubilis	-	1	1	2	2
1334	5183	Gavo 1	Galactia	volubilis	-	-	-	-	-
1334	5183	Gavo 1		mississippiensis	-	-	2	-	-
1771	2836	Gaap1	Galax	aphylla	-	-	-	2	-
1883	2248	Gacil	Galinsoga	ciliata	-	1	1	2	-
1881	8045	Gaap	Galium	aparine	-	2	2	2	-
1881	8045	Gaci	Galium	circaezans	-	1	2	2	-
1881	8045	Gala	Galium	latifolium	2	-	-	-	-
1881	8045	Gapa	Galium	parisiense	-	-	-	2	-
1881	8045	Gapi	Galium	pilosum	-	-	-	2	-
1881	8045	Gapi 1	Galium	pilosum	-	-	-	-	-
1881	8045	Gapi 1		puncticulosum	-	2	2	2	-
1881	8045	Gati	Galium	tinctorium	-	2	1	2	-
1881	8045	Gatr	Galium	triflorum	-	1	-	-	-
1881	8045	Gatr 1	Galium	triflorum	-	-	-	-	-
1881	8045	Gatr 1		asprelliforme	-	-	-	2	-
1772	7725	Gapr	Gaultheria	procumbens	3	3	-	-	-
1662	6509	Gabi	Gaura	biennis	-	1	-	-	2
1662	6509	Gafi	Gaura	filipes	-	-	-	-	2
1772	2429	Gaba	Gaylussacia	baccata	3	2	2	2	-
1772	2109	Gabr	Gaylussacia	brachycera	3	-	-	-	-
1776	3880	Gequ1	Gentiana	quinquefolia	-	-	3	2	-
1776	3880	Gequ11	Gentiana	quinquefolia	-	-	-	-	-
1776	3880	Gequ11		occidentalis	-	-	-	2	-
1776	3880	Gesa	Gentiana	saponaria	2	2	-	2	-
1776	3880	Gevi2	Gentiana	villosa	-	2	3	2	-
1441	3895	Geca	Geranium	carolinianum	-	2	1	2	-
1441	3895	Geco	Geranium	columbinum	-	3	-	-	-
1441	3895	Gema	Geranium	maculatum	2	2	2	2	2
1441	3895	Gemo	Geranium	molle	-	-	-	2	-
1441	3895	Gero	Geranium	rotundifolium	-	-	-	2	-
1777	8351	Gede	Gerardia	decemloba	2	2	-	-	-
1777	8351	Gefl	Gerardia	flava	-	2	1	1	2
1777	8351	Gega	Gerardia	gattingeri	-	2	-	-	-
1777	8351	Gela	Gerardia	laevigata	2	2	-	2	2
1777	8351	Gepe	Gerardia	pectinata	2	2	-	2	2
1777	8351	Gepu	Gerardia	purpurea	2	2	-	-	-
1777	8351	Gete	Gerardia	tenuifolia	2	2	2	2	-
1777	8351	Gevi	Gerardia	virginica	-	1	3	2	-
1334	8019	Geca1	Geum	canadense	-	1	1	1	-
1334	8019	Geve	Geum	vernum	-	-	2	-	-
1334	8019	Gevi1	Geum	virginianum	-	2	2	-	-
1334	8019	Gitr	Gillenia	trifoliata	2	2	2	2	2
2661	4787	Glsp1	Gladiolus	sp.	-	-	-	-	-
1777	5032	Glhe	Glechoma	hederacea	-	-	2	2	-
1334	5183	Gltr	Gleditsia	triacanthos	3	1	1	1	-
2221	4063	Glst	Glyceria	striata	-	1	-	2	-

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2221	4063	Glsp	Glyceria	sp.	-	-	-	-	-
1883	2248	Gnob	Gnaphalium	obtusifolium	-	2	-	2	2
1883	2248	Gnpu	Gnaphalium	purpureum	-	1	3	2	3
1776	782	Gogo	Gonolobus	gonocarpos	-	1	1	2	-
1776	782	Goob	Gonolobus	obliquus	-	-	-	2	-
1776	782	Gosh	Gonolobus	shortii	-	-	-	2	-
2881	6550	Gopu	Goodyera	pubescens	-	3	1	-	-
1777	8351	Grne	Gratiola	neglecta	-	-	-	2	-
1777	8351	Grpi	Gratiola	pilosa	2	-	-	-	-
1777	8351	Grvi	Gratiola	virginiana	2	-	-	-	-
1883	2248	Grsq 1	Grindelia	squarrosa	-	-	-	-	-
1883	2248	Grsq 1		serrulata	-	-	-	2	-
1334	5183	Gydi	Gymnocladus	dioicus	-	-	2	2	-
1777	1239	Havil	Hackelia	virginiana	-	-	1	2	-
1775	8902	Haca	Halesia	carolina	-	-	-	3	-
1334	4244	Havi	Hamamelis	virginiana	3	3	3	-	3
1777	5032	Hehil	Hedeoma	hispida	-	2	-	-	-
1777	5032	Hepu	Hedeoma	pulegioides	-	2	-	1	-
1663	681	Hehe	Hedera	helix	-	-	-	2	-
1883	2248	Heam2	Helenium	amarum	2	2	2	2	-
1883	2248	Heau	Helenium	autumnale	-	2	-	2	-
1883	2248	Hebr	Helenium	brevifolium	2	-	-	-	-
1883	2248	Hefl	Helenium	flexuosum	-	-	-	2	-
1883	2248	Henu	Helenium	nudiflorum	-	1	-	-	-
1883	2248	Hete	Helenium	tenuifolium	-	-	-	1	-
1883	2248	Hean1	Helianthus	angustifolius	2	2	-	-	-
1883	2248	Hean	Helianthus	annuus	-	-	-	-	2
1883	2248	Heat	Helianthus	atrorubens	2	2	-	2	-
1883	2248	Hede	Helianthus	decapetalus	-	-	1	-	-
1883	2248	Hedi	Helianthus	divaricatus	-	-	-	-	-
1883	2248	Hehi	Helianthus	hirsutus	2	-	1	2	2
1883	2248	Hela	Helianthus	laetiflorus	-	2	-	-	2
1883	2248	Hema	Helianthus	maximiliani	-	-	2	2	-
1883	2248	Hemi	Helianthus	microcephalus	2	2	2	2	2
1883	2248	Hest	Helianthus	strumosus	-	-	-	-	-
1883	2248	Hetu	Helianthus	tuberosus	-	2	-	2	2
1883	2248	Hehel	Heliopsis	helianthoides	-	2	2	2	-
1777	1239	Heam2	Heliotropium	amplexicaule	-	-	-	2	-
2661	5336	Hefu	Hemerocallis	fulva	3	2	1	3	-
1331	7794	Heac	Hepatica	acutiloba	-	3	1	2	-
1331	7794	Heam	Hepatica	americana	2	3	1	2	-
1334	8202	Heam1	Heuchera	americana	2	1	2	2	2
1334	8202	Hepa	Heuchera	parviflora	-	-	-	2	-
1334	8202	Hevi	Heuchera	villosa	-	1	2	-	1
2881	6550	Hesp	Hexalectris	spicata	-	1	1	-	-
1552	5643	Himi	Hibiscus	militaris	-	2	1	-	-
1552	5643	Himo	Hibiscus	moscheutos	-	-	1	2	-
1552	5643	Hipal	Hibiscus	palustris	-	-	1	-	-
1883	2248	Higr	Hieracium	gronovii	-	2	-	2	-
1883	2248	Hipa	Hieracium	paniculatum	-	-	2	2	-
1883	2248	Hisc	Hieracium	scabrum	-	-	2	-	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1883	2248	Hive	Hieracium	venosum	2	1	3	2	2
1228	1683	Houm	Holosteum	umbellatum	-	3	-	2	-
1881	8045	Hoca	Houstonia	caerulea	2	1	2	2	2
1881	8045	Hoci	Houstonia	ciliolata	-	-	1	-	-
1881	8045	Hola	Houstonia	lanceolata	-	-	-	2	-
1881	8045	Holo	Houstonia	longifolia	-	1	1	2	-
1881	8045	Honi	Houstonia	nigricans	-	2	1	2	-
1881	8045	Hopa	Houstonia	patens	-	2	-	2	2
1881	8045	Hopu2	Houstonia	pusilla	-	-	-	2	-
1881	8045	Hopu	Houstonia	purpurea	2	1	1	2	2
1881	8045	Hopu31	Houstonia	purpurea	-	-	-	-	-
1881	8045	Hopu31		x tenuifolia	-	2	2	2	2
1881	8045	Hote	Houstonia	tenuifolia	-	3	3	2	-
1553	9693	Hyco	Hybanthus	concolor	-	-	-	-	-
1334	8202	Hyar	Hydrangea	arborescens	2	1	1	1	-
1334	8202	Hyqu	Hydrangea	quercifolia	-	-	-	2	-
1331	7794	Hyca	Hydrastis	canadensis	-	-	2	2	-
1777	4663	Hyap	Hydrophyllum	appendiculatum	-	-	-	2	-
1777	4663	Hyma	Hydrophyllum	macrophyllum	-	-	-	2	-
2261	361	Hyoc	Hymenocallis	occidentalis	-	-	1	-	-
1553	4145	Hycal	Hypericum	calycinum	-	-	-	2	-
1553	4145	Hydel3	Hypericum	denticulatum	-	-	-	-	-
1553	4145	Hydel3		denticulatum	-	1	-	-	-
1553	4145	Hydel1	Hypericum	denticulatum	-	-	-	-	-
1553	4145	Hydel1		acutifolium	-	2	-	-	-
1553	4155	Hydel2	Hypericum	denticulatum	-	-	-	-	-
1553	4155	Hydel2		recognitum	2	-	-	-	-
1553	4145	Hyde	Hypericum	densiflorum	-	1	1	1	-
1553	4145	Hydo	Hypericum	dolabriforme	-	1	3	3	-
1553	4145	Hydr	Hypericum	drummondii	2	-	-	-	-
1553	4145	Hyge	Hypericum	gentianoides	-	2	-	-	-
1553	4145	Hygy	Hypericum	gymnanthum	-	-	-	-	1
1553	4145	Hymal	Hypericum	majus	2	-	-	-	-
1553	4145	Hymu	Hypericum	mutilum	-	2	-	-	-
1553	4145	Hymu 1	Hypericum	mutilum	-	-	-	-	-
1553	4145	Hymu 1		parviflorum	-	-	-	2	-
1553	4145	Hype	Hypericum	perforatum	-	-	1	-	-
1553	4145	Hypr	Hypericum	prolificum	-	2	2	1	-
1553	4145	Hypu	Hypericum	punctatum	-	1	1	1	-
1553	4145	Hypu 1	Hypericum	punctatum	-	-	-	-	-
1553	4145	Hypu 1		pseudomaculatum	-	2	-	2	-
2661	361	Hyhi	Hypoxis	hirsuta	-	3	2	-	-
2221	4063	Hypa	Hystrix	patula	-	-	-	-	-
1442	671	Ilaq	Ilex	aquipenyii	-	-	-	3	-
1442	671	Ilvo	Ilex	vomitoria	-	-	-	3	-
1442	671	Ilmo	Ilex	montana	2	1	3	3	-
1442	671	Ilmo 1	Ilex	montana	-	-	-	-	-
1442	671	Ilmo 1		mollis	-	2	2	3	-
1442	671	Ilop	Ilex	opaca	3	3	2	2	-
1442	671	Ilve 1	Ilex	verticillata	-	-	-	-	-
1442	671	Ilve 1		padifolia	2	-	2	-	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1442	967	Imca	Impatiens	capensis	-	2	1	2	-
1442	967	Impa	Impatiens	pallida	-	2	1	2	-
1332	2464	Iopi	Iodanthus	pinnatifidus	-	-	-	2	1
1777	2277	Ipco	Ipomoea	coccinea	-	1	2	-	-
1777	2277	Iphe	Ipomoea	hederacea	-	1	1	-	-
1777	2277	Ipla	Ipomoea	lacunosa	-	1	2	2	2
1777	2277	Ippa	Ipomoea	pandurata	2	1	2	2	-
1777	2277	Ippu	Ipomoea	purpurea	-	1	1	2	-
1777	2277	Ipqu	Ipomoea	quamoclit	-	-	-	-	1
2661	4787	Ircr	Iris	cristata	-	2	1	-	-
2661	4787	Irve	Iris	verna	-	3	3	-	-
1777	5032	Isbr	Isanthus	brachiatus	-	-	-	2	-
1334	8202	Itvi	Itea	virginica	2	2	2	-	-
1331	1090	Jedi	Jeffersonia	diphylia	-	1	3	2	-
1111	4879	Juci	Juglans	cinerea	-	1	3	3	-
1111	4879	Juni	Juglans	nigra	3	1	1	1	3
2661	4886	Juac	Juncus	acuminatus	-	2	1	-	-
2661	4886	Judu	Juncus	dudleyi	-	1	-	-	-
2661	4886	Juef	Juncus	effusus	3	1	1	-	-
2661	4886	Juef 1	Juncus	effusus	-	-	-	-	-
2661	4886	Juef 1		solutus	-	2	2	-	-
2661	4886	Juin	Juncus	interior	-	-	-	-	1
2661	4886	Juma	Juncus	macer	-	1	-	-	-
2661	4886	Juma1	Juncus	marginatus	-	3	-	-	-
2661	4886	Jute	Juncus	tenuis	3	1	1	-	1
2661	4886	Jute 1	Juncus	tenuis	-	-	-	-	-
2661	4886	Jute 1		anthelatus	-	1	-	-	-
3111	7182	Juvi	Juniperus	virginiana	3	1	1	1	3
1662	6509	Jude	Jussiaea	decurrens	-	3	-	-	-
1777	29	Juam	Justicia	americana	-	2	-	-	-
1772	3429	Kala	Kalmia	latifolia	2	1	2	3	-
1883	2248	Krbi	Krigia	biflora	2	2	1	2	2
1883	2248	Krvi	Krigia	virginica	2	3	3	-	-
1883	2248	Kueu	Kuhnia	eupatorioides	-	2	-	2	-
1883	2248	Labi	Lactuca	biennis	-	2	-	-	-
1883	2248	Laca1	Lactuca	canadensis	-	1	1	2	-
1883	2248	Lafl	Lactuca	floridana	-	1	-	2	2
1883	2248	Lasa	Lactuca	saligna	-	1	-	-	-
1883	2248	Lasc	Lactuca	scariola	-	1	1	1	2
1883	2248	Lavi	Lactuca	virosa	-	-	-	2	-
1777	5032	Laam	Lamium	amplexicaule	-	1	3	2	-
1777	5032	Lama	Lamium	maculatum	-	-	-	2	-
1777	5032	Lapu	Lamium	purpureum	-	-	-	2	-
1221	9578	Laca	Laportea	canadensis	-	3	3	1	2
1334	5183	Lala	Lathyrus	latifolius	-	-	1	2	-
1334	5183	Lapa 1	Lathyrus	palustris	-	-	-	-	-
1334	5183	Lapa 1		multifolius	-	-	2	-	-
1334	5183	Latu	Lathyrus	tuberosus	-	-	-	2	-
1332	2464	Leun	Leavenworthia	uniflora	-	-	-	2	-
1553	2069	Lera	Lechea	racemulosa	-	2	-	2	-
1553	2069	Levil	Lechea	villosa	-	-	-	-	-
2221	4063	Leor	Leersia	oryzoides	2	1	-	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
2221	4063	Levi	Leersia	virginica	2	2	-	-	-
1777	5032	Leca	Leonurus	cardiaca	-	-	1	2	-
1332	2464	Leca1	Lepidium	campestre	-	3	2	2	-
1332	2464	Lede	Lepidium	densiflorum	-	-	2	-	-
1332	2464	Levi2	Lepidium	virginicum	3	1	-	2	-
1334	5183	Lebi	Lespedeza	bicolor	-	-	3	2	-
1334	5183	Leca2	Lespedeza	capitata	2	2	-	-	2
1334	5183	Lecu1	Lespedeza	cuneata	-	2	-	2	-
1334	5183	Lecu	Lespedeza	cuspidata	-	3	-	-	-
1334	5183	Lehi	Lespedeza	hirta	2	2	2	2	-
1334	5183	Lein	Lespedeza	intermedia	-	2	2	2	-
1334	5183	Lene	Lespedeza	neglecta	-	-	-	2	-
1334	5183	Lenu	Lespedeza	nuttallii	-	-	2	-	-
1334	5183	Lepo	Lespedeza	polystachia	-	-	-	2	-
1334	5183	Lepr	Lespedeza	procumbens	-	1	3	2	2
1334	5183	Lere	Lespedeza	repens	-	1	1	2	-
1334	5183	Lest21	Lespedeza	stuvei	-	-	-	-	-
1334	5183	Lest21		angustifolia	-	2	2	-	-
1334	5183	Lest	Lespedeza	stipulacea	-	3	3	2	-
1334	5183	Lest1	Lespedeza	striata	-	1	-	2	-
1334	5183	Levi3	Lespedeza	virginica	-	2	2	2	2
1334	5183	Lesp	Lespedeza	spp.	-	-	1	-	-
1772	3429	Lefo	Leucothoe	fontanesiana	2	2	-	-	-
1772	3429	Lera 1	Leucothoe	racemosa	-	-	-	-	-
1772	3429	Lera 1		projecta	-	3	-	-	-
1883	2248	Lias	Liatris	aspera	-	2	-	-	2
1883	2248	Lias 1	Liatris	aspera	-	-	-	-	-
1883	2248	Lias 1		intermedia	-	2	-	-	-
1883	2248	Limi1	Liatris	microcephala	2	-	-	-	-
1883	2248	Lisc	Liatris	scabra	-	2	-	-	-
1883	2248	Lisc1	Liatris	scariosa	-	2	-	-	2
1883	2248	Lisp	Liatris	spicata	-	2	-	-	-
1883	2248	Lisq	Liatris	squarrosa	-	2	-	2	2
1883	2248	Lisq1	Liatris	squarrulosa	-	2	-	-	-
1663	9538	Lica1	Ligusticum	canadense	2	-	-	2	-
1776	6480	Livu1	Ligustrum	vulgare	-	3	1	-	-
2661	5336	Limi	Lilium	michiganense	-	-	1	-	-
1777	8351	Livu	Linaria	vulgaris	-	-	1	2	-
1331	5144	Libe	Lindera	benzoin	-	3	1	2	-
1331	5144	Libe 1	Lindera	benzoin	-	-	-	-	-
1331	5144	Libe 1		pubescens	-	-	3	3	-
1777	8351	Lian	Lindernia	anagallidea	2	2	-	-	-
1777	8351	Lidu	Lindernia	dubia	2	2	-	2	-
1441	5353	Liin	Linum	intercursum	-	2	-	-	-
1441	5353	Lime 1	Linum	medium	-	-	-	-	-
1441	5353	Lime 1		texana	-	2	-	2	-
1441	5353	List1	Linum	striatum	-	1	2	2	-
1441	5353	Lisu	Linum	sulcatum	-	-	2	-	-
1441	5353	Lius	Linum	usitatissimum	-	-	-	2	-
1441	5353	Livi	Linum	virginianum	-	1	2	2	-
1777	9654	Lila	Lippia	lanceolata	-	2	1	1	-
1334	4244	List	Liquidambar	styraciflua	3	1	1	1	3
1331	5598	Litu	Liriodendron	tulipifera	3	3	1	1	3

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1777	1239	Liar	Lithospermum	arvense	-	3	2	2	-
1777	1239	Lica	Lithospermum	canescens	-	2	2	2	-
1777	1239	Litul	Lithospermum	tuberosum	-	-	-	2	-
1883	1562	Loam	Lobelia	amoena	-	-	1	-	-
1883	1562	Loca	Lobelia	cardinalis	2	2	1	-	-
1883	1562	Logl	Lobelia	glandulifera	-	-	-	-	2
1883	1562	Loin	Lobelia	inflata	-	1	1	2	-
1883	1562	Lonu	Lobelia	nuttallii	2	-	-	-	-
1883	1562	Lopu	Lobelia	puberula	-	3	-	2	-
1883	1562	Losi	Lobelia	siphilitica	-	2	2	2	-
1883	1562	Losp	Lobelia	spicata	-	1	1	1	-
1883	1562	Losp 1	Lobelia	spicata	-	-	-	-	-
1883	1562	Losp 1		leptostachys	-	1	-	2	-
2221	4063	Lomu	Lolium	multiflorum	-	1	-	-	-
2221	4063	Lope	Lolium	perenne	-	3	-	-	1
1881	1619	Lofr	Lonicera	fragrantissima	-	-	-	2	-
1881	1619	Loja	Lonicera	japonica	3	1	1	1	2
1881	1619	Lopr	Lonicera	prolifera	-	2	-	-	-
2112	303	Local	Lophotocarpus	calycinus	-	-	1	-	-
1662	6509	Lual	Ludwigia	alternifolia	2	1	1	2	-
1662	6509	Lupa	Ludwigia	palustris	2	-	-	-	-
1662	6509	Lupa 1	Ludwigia	palustris	-	-	-	-	-
1662	6509	Lupa 1		americana	2	2	-	-	-
2661	4886	Lubu	Luzula	bulbosa	-	1	-	-	-
2661	4886	Lumu	Luzula	multiflora	-	3	-	-	-
1228	1683	Lyal	Lychnis	alba	-	-	-	2	-
1777	5032	Lyam	Lycopus	americanus	2	2	1	-	-
1777	5032	Lyvi	Lycopus	virginicus	-	2	1	2	-
4104	7410	Lypa	Lygodium	palmatum	3	3	-	-	-
1772	3429	Lyli	Lyonia	ligustrina	3	-	-	-	3
1773	7508	Lyci	Lysimachia	ciliata	-	-	1	2	-
1773	7508	Lyla	Lysimachia	lanceolata	2	1	1	2	-
1773	7508	Lynu	Lysimachia	nummularia	-	1	1	1	-
1773	7508	Lyqu	Lysimachia	quadrifolia	2	1	1	2	-
1773	7508	Lyte	Lysimachia	terrestris	-	-	-	-	-
1773	7508	Lyto	Lysimachia	tonsa	-	2	2	2	-
1221	6089	Mapo	Maclura	pomifera	-	3	-	3	3
1331	5598	Maac	Magnolia	acuminata	3	3	1	1	-
1331	5598	Mafr	Magnolia	fraseri	-	-	-	-	-
1331	5598	Mama	Magnolia	macrophylla	3	-	3	-	-
1331	5598	Matr	Magnolia	tripetala	3	1	1	3	1
1334	8019	Mapu	Malus	pumila	-	3	-	-	-
1552	5643	Mane	Malva	neglecta	-	-	-	-	-
1552	5643	Masy	Malva	sylvestris	-	-	2	-	-
1777	5032	Mavu	Marrubium	vulgare	-	-	2	-	-
1777	8351	Meac	Mecardonia	acuminata	-	2	-	-	-
1334	5183	Melu	Medicago	lupulina	-	1	-	2	-
1334	5183	Mesa	Medicago	sativa	-	-	1	2	-
2221	4063	Memu	Melica	mutica	-	1	2	2	-
1334	5183	Meal	Melilotus	alba	-	1	2	2	-
1334	5183	Meof	Melilotus	officinalis	-	3	2	2	-
1777	5032	Meofl	Melissa	officinalis	-	-	-	1	-
1882	2495	Mepe	Melothria	pendula	-	-	-	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1331	5830	Meca	Menispermum	canadense	-	1	2	2	2
1777	5032	Mepi	Mentha	piperita	-	1	-	2	-
1777	5032	Mesp	Mentha	spicata	-	-	2	-	-
1777	1239	Mevi	Mertensia	virginica	-	3	-	2	-
1777	5032	Mive	Micheliella	verticillata	-	2	-	2	-
1883	2248	Misc	Mikania	scandens	-	-	-	2	-
1777	8351	Mial	Mimulus	alatus	2	2	1	2	3
1777	8351	Miri	Mimulus	ringens	-	2	1	2	-
1777	8351	Miri 1	Mimulus	ringens	-	-	-	-	-
1777	8351	Miri 1		minthodes	-	-	-	-	-
1881	8045	Mire	Mitchella	repens	2	-	-	-	-
1334	8202	Midi	Mitella	diphylla	-	3	2	2	-
1228	269	Move	Mollugo	verticillata	-	2	-	2	-
1777	5032	Mocl	Monarda	clinopodia	-	-	2	-	-
1777	5032	Mofi	Monarda	fistulosa	-	2	1	2	2
1777	5032	Mofi 1	Monarda	fistulosa	-	-	-	-	-
1777	5032	Mofi 1		mollis	-	2	-	-	-
1772	7725	Mohy	Monotropa	hypopithys	2	-	-	2	-
1772	7725	Moun	Monotropa	uniflora	-	2	-	2	-
1221	6089	Moru	Morus	rubra	3	1	1	1	3
2221	4063	Muca	Muhlenbergia	capillaris	-	-	-	3	-
2221	4063	Mufr	Muhlenbergia	frondosa	-	2	-	-	-
2221	4063	Musc	Muhlenbergia	schreberi	-	1	-	2	-
2221	4063	Muso	Muhlenbergia	sobolifera	-	-	-	-	-
2221	4063	Mute	Muhlenbergia	tenuiflora	-	3	3	-	-
1777	1239	Myar	Myosotis	arvensis	-	-	-	2	-
1777	1239	Myma	Myosotis	macrosperma	-	2	3	2	-
1777	1239	Mysc	Myosotis	scorpioides	-	-	-	2	-
1777	1239	Myve	Myosotis	verna	-	3	3	-	-
1777	1239	Myvi	Myosotis	virginica	-	2	-	2	-
1331	7794	Mymi	Myosurus	minimus	-	-	2	2	-
2661	361	Naps	Narcissus	pseudo-narcissus	-	-	-	-	-
1332	2464	Naof	Nasturtium	officinale	-	2	2	2	-
1777	4663	Nemi	Nemophila	microcalyx	-	-	-	2	-
1777	5032	Neca	Nepeta	cataria	-	-	1	2	-
1777	8563	Niph	Nicandra	physalodes	-	1	-	2	-
1662	6430	Nysy	Nyssa	sylvatica	3	1	1	3	3
1662	6430	Nysy 1	Nyssa	sylvatica	-	-	-	-	-
1662	6430	Nysy 1		biflora	-	-	2	-	-
1776	3880	Obvi	Obolaria	virginica	-	1	2	2	-
1662	6509	Oear	Oenothera	argillicola	-	3	-	-	-
1662	6509	Oebi	Oenothera	biennis	-	1	1	2	-
1662	6509	Oebi 1	Oenothera	biennis	-	-	-	-	-
1662	6509	Oebi 1		pychocarpa	-	-	2	2	-
1662	6509	Oefr 1	Oenothera	fruticosa	-	-	-	-	-
1662	6509	Oefr 1		linearis	-	1	-	2	-
1662	6509	Oela	Oenothera	laciniata	-	-	1	2	-
1662	6509	Oesp	Oenothera	speciosa	-	3	3	2	-
1662	6509	Oest	Oenothera	strigosa	-	-	-	-	1
1662	6509	Oete	Oenothera	tetragona	-	-	-	2	-
1662	6509	Oetr	Oenothera	triloba	-	-	-	2	-
4104	7410	Onse	Onoclea	sensibilis	3	3	3	3	-
4104	6532	Open	Ophioglossum	engelmanni	-	-	-	3	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1661	1449	Ophu	Opuntia	humifusa	-	1	3	2	-
2881	6550	Orsp	Orchis	spectabilis	-	3	3	-	-
2661	5336	Orum	Ornithogalum	umbellatum	-	2	2	2	2
1777	6592	Orun	Orobanche	uniflora	2	-	2	2	-
1663	9538	Oscl	Osmorhiza	claytoni	-	-	2	2	-
1663	9538	Oslo	Osmorhiza	longistylis	-	-	-	2	2
4103	6625	Osci	Osmunda	cinnamomea	3	3	3	-	-
4103	6625	Osci 1	Osmunda	cinnamomea	-	-	-	-	-
4103	6625	Osci 1		fo. bipinnatifid	-	3	-	-	-
4103	6625	Oscl1	Osmunda	claytoniana	-	3	-	-	-
4103	6625	Osre 1	Osmunda	regalis	-	-	-	-	-
4103	6625	Osre 1		spectabilis	3	3	3	3	-
1114	1120	Osvi	Ostrya	virginiana	3	1	1	1	-
1441	6664	Oxdi	Oxalis	dillenii	-	2	2	2	2
1441	6664	Oxfi	Oxalis	filipes	-	-	-	2	-
1441	6664	Oxeu 1	Oxalis	europaea	-	-	-	-	-
1441	6664	Oxeu 1		fo. cymosa	-	-	-	2	-
1441	6664	Oxeu 2	Oxalis	europaea	-	-	-	-	-
1441	6664	Oxeu 2		fo. pilosella	2	-	-	-	-
1441	6664	Oxeu 3	Oxalis	europaea	-	-	-	-	-
1441	6664	Oxeu 3		bushii	2	-	-	-	-
1441	6664	Oxeu 4	Oxalis	europaea	-	-	-	-	-
1441	6664	Oxeu 4		fo. subglabrata	2	-	-	-	-
1441	6664	Oxgr	Oxalis	grandis	2	-	-	2	-
1441	6664	Oxst	Oxalis	stricta	2	1	1	2	2
1441	6664	Oxvi	Oxalis	violacea	2	2	2	2	2
1441	6664	Oxsp	Oxalis	spp.	-	-	1	-	-
1772	3429	Oxar	Oxydendron	arboreum	3	1	3	3	3
1663	9538	Oxri	Oxypolis	rigidior	2	-	-	-	-
1442	1431	Papr	Pachysandra	procumbens	-	2	1	-	-
1663	681	Paqu1	Panax	quinquefolium	-	3	3	3	-
2221	4063	Paag	Panicum	agrostoides	-	2	-	2	-
2221	4063	Paan	Panicum	anceps	2	1	1	-	-
2221	4063	Pabo	Panicum	boscii	2	1	2	2	-
2221	4063	Paca	Panicum	capillare	-	2	-	-	-
2221	4063	Paci	Panicum	ciliatum	-	1	-	-	-
2221	4063	Pacl	Panicum	clandestinum	-	1	1	-	-
2221	4063	Paco1	Panicum	columbianum	-	3	-	-	-
2221	4063	Paco	Panicum	commutatum	-	-	-	-	-
2221	4063	Paco 1		ashei	-	1	2	2	-
2221	4063	Paco 2	Panicum	commutatum	-	-	-	-	-
2221	4063	Paco 2		joorii	-	-	3	-	-
2221	4063	Pade	Panicum	depauperatum	-	1	2	2	-
2221	4063	Padi1	Panicum	dichotomiflorum	2	2	-	-	-
2221	4063	Padi	Panicum	dichotomum	2	-	-	2	-
2221	4063	Pafl	Panicum	flexile	-	-	-	2	-
2221	4063	Pala2	Panicum	lanuginosum	-	-	-	-	-
2221	4063	Pala21	Panicum	lanuginosum	-	-	-	-	-
2221	4063	Pala21		fasciculatum	-	3	2	2	-
2221	4063	Pala22	Panicum	lanuginosum	-	-	-	-	-
2221	4063	Pala22		implicatum	-	2	3	2	-
2221	4063	Paly	Panicum	lyndheimeri	-	1	-	2	-
2221	4063	Pala	Panicum	latifolium	-	3	3	-	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
2221	4063	Pala1	Panicum	laxiflorum	2	3	2	-	-
2221	4063	Pali	Panicum	linearifolium	-	3	-	-	-
2221	4063	Palo	Panicum	longifolium	2	3	3	-	-
2221	4063	Pama	Panicum	maximum	-	-	-	2	-
2221	4063	Pame	Panicum	meridionale	-	-	2	-	-
2221	4063	Pami	Panicum	microcarpon	2	3	-	2	-
2221	4063	Pani	Panicum	nitidum	-	1	-	-	-
2221	4063	Paol	Panicum	oligosanthes	-	-	-	2	-
2221	4063	Paol 1	Panicum	oligosanthes	-	-	-	-	-
2221	4063	Paol 1		scribnerianum	-	-	-	2	-
2221	4063	Paph	Panicum	philadelphicum	-	2	-	2	-
2221	4063	Papo	Panicum	polyanthes	2	1	-	-	-
2221	4063	Pasc	Panicum	scoparium	-	2	-	-	-
2221	4063	Pasp2	Panicum	sphaerocarpon	-	1	-	2	-
2221	4063	Past	Panicum	stipitatum	-	1	-	-	-
2221	4063	Pavi	Panicum	villosissimum	-	2	-	-	-
2221	4063	Pavi1	Panicum	virgatum	2	-	-	-	-
2221	4063	Pavi11	Panicum	virgatum	-	-	-	-	-
2221	4063	Pavi11		cubense	2	-	-	-	-
2221	4063	Paxa	Panicum	xalapense	-	1	-	-	-
2221	4063	Pasp1	Panicum	spp.	-	-	-	-	-
1221	9578	Pape	Parietaria	pensylvanica	-	3	-	2	-
1334	8202	Paas	Parnassia	asarifolia	2	-	-	-	-
1334	8202	Pagr	Parnassia	grandiflora	-	-	2	-	-
1228	1683	Paca1	Paronychia	canadensis	-	-	-	2	-
1228	1683	Pafa	Paronychia	fastigiata	-	2	-	-	-
1883	2248	Pain1	Parthenium	integrifolium	-	-	-	2	-
1551	9704	Paqu	Parthenocissus	quinquefolia	3	1	1	3	3
2221	4063	Pabo1	Paspalum	boscianum	-	-	1	-	-
2221	4063	Paci11	Paspalum	ciliatifolium	-	-	-	-	-
2221	4063	Paci11		muhlenbergii	-	2	-	-	1
2221	4063	Padi2	Paspalum	dilatatum	-	1	-	2	-
2221	4063	Pala3	Paspalum	laeve	-	1	1	-	-
2221	4063	Pala31	Paspalum	laeve	-	-	-	-	-
2221	4063	Pala31		pilosum	-	1	-	2	-
1553	6828	Pain	Passiflora	incarnata	-	3	2	2	1
1553	6828	Palu	Passiflora	lutea	2	-	2	1	2
1663	9538	Pasa	Pastinaca	sativa	-	-	-	2	-
1777	8351	Pato	Paulownia	tomentosa	-	1	3	3	-
1777	8351	Peca2	Pedicularis	canadensis	-	-	-	-	-
4104	7410	Peat	Pellaea	atropurpurea	-	1	1	3	3
4104	7410	Pegl	Pellaea	glabella	-	3	-	3	-
2221	4063	Pegl	Pennisetum	glaucum	-	-	-	2	-
1777	8351	Pebr	Penstemon	brevisepalus	-	2	2	2	-
1777	8351	Peca	Penstemon	canescens	2	2	2	3	-
1777	8351	Peca1	Penstemon	calycosus	-	2	-	-	-
1777	8351	Pela	Penstemon	laevigatus	-	1	1	3	-
1777	8351	Pesm	Penstemon	smallii	-	-	-	2	2
1777	8351	Pete	Penstemon	tenuiflorus	-	2	-	-	-
1777	8351	Pesp	Penstemon	sp.	-	-	-	-	-
1334	2411	Pese	Penthorum	sedoides	2	2	1	-	-
1777	5032	Pefr	Perilla	frutescens	-	-	2	2	-
1776	782	Pegr	Periploca	gracea	-	-	-	3	-

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1334	5183	Pefo	Petalostemum	foliosum	-	-	-	2	-
1777	8563	Pehy	Petunia	hybrida	-	-	-	2	-
1777	4663	Phbi	Phacelia	bipinnatifida	2	3	2	2	1
1777	4663	Phdu	Phacelia	dubia	-	3	-	2	-
1777	4663	Phpu1	Phacelia	purshii	-	3	3	-	-
1334	5183	Phpo	Phaseolus	polystachios	-	-	-	2	-
1334	8202	Phhi	Philadelphus	hirsutus	-	3	3	2	-
1334	8202	Phin 1	Philadelphus	inodorus	-	-	-	-	-
1334	8202	Phin 1		grandiflorus	-	-	-	2	-
1334	8202	Phin	Philadelphus	inodorus	-	-	1	2	-
1334	8202	Phpu	Philadelphus	pubescens	-	-	-	2	-
1334	8202	Phsh	Philadelphus	sharpianus	-	2	2	2	-
2221	4063	Phpr1	Phleum	pratense	3	3	1	3	3
1777	7380	Pham2	Phlox	amoena	2	2	2	2	2
1777	7380	Pham1	Phlox	amplifolia	-	-	1	2	-
1777	7380	Phca1	Phlox	carolina	2	1	-	-	2
1777	7380	Phca11	Phlox	carolina	-	-	-	-	-
1777	7380	Phca11		triflora	-	-	1	-	-
1777	7380	Phde	Phlox	decussata	-	-	-	2	-
1777	7380	Phde 1	Phlox	decussata	-	-	-	-	-
1777	7380	Phde 1		triflora	2	-	-	2	-
1777	7380	Phdi	Phlox	divaricata	-	1	2	2	2
1777	7380	Phgl	Phlox	glaberrima	2	-	1	-	-
1777	7380	Phgl 1	Phlox	glaberrima	-	-	-	-	-
1777	7380	Phgl 1		interior	-	2	2	-	-
1777	7380	Phma	Phlox	maculata	2	1	1	-	-
1777	7380	Phma 1	Phlox	maculata	-	-	-	-	-
1777	7380	Phma 1		pyramidalis	-	2	2	-	-
1777	7380	Phov	Phlox	ovata	-	-	-	2	-
1777	7380	Phpa	Phlox	paniculata	2	-	1	2	-
1777	7380	Phpi	Phlox	pilosa	-	-	-	2	-
1777	7380	Phst	Phlox	stolonifera	-	-	-	-	-
1224	5458	Phfl	Phoradendron	flavescens	-	-	-	-	-
1777	7087	Phle	Phryma	leptostachya	-	2	1	2	1
1441	3540	Phca	Phyllanthus	caroliniensis	-	2	-	2	-
1777	8563	Phba	Physalis	barbadensis	-	-	-	-	-
1777	8563	Phhe	Physalis	heterophylla	-	-	-	2	-
1777	8563	Phlo	Physalis	longifolia	-	-	2	-	1
1777	8563	Phpr	Physalis	pruinosa	-	2	-	-	-
1777	8563	Phsu	Physalis	subglabrata	-	-	-	2	-
1334	8019	Phop	Physocarpus	opulifolius	2	-	2	2	-
1228	7142	Pham	Phytolacca	americana	2	2	1	2	3
1221	9578	Pifo	Pilea	fontana	-	-	1	-	-
1221	9578	Pipu	Pilea	pumila	-	2	-	2	-
3111	7182	Piec	Pinus	echinata	3	3	1	1	3
3111	7182	Piri	Pinus	rigida	-	-	3	-	-
3111	7182	Pist	Pinus	strobus	3	3	3	3	-
3111	7182	Pita	Pinus	taeda	3	3	3	2	3
3111	7182	Pivi	Pinus	virginiana	3	3	3	1	3
1778	7249	Plar	Plantago	aristata	-	1	1	2	1
1778	7249	Plhe	Plantago	heterophylla	-	-	-	2	-
1778	7249	Plla	Plantago	lanceolata	3	1	1	2	-
1778	7249	Plma	Plantago	major	-	1	1	-	-

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1778	7249	Plpu	Plantago	pusilla	-	-	-	2	-
1778	7249	Plru	Plantago	rugelii	3	2	1	-	-
1778	7249	Plvi	Plantago	virginica	-	2	2	2	-
1334	7253	Ploc	Platanus	occidentalis	3	1	1	1	3
1883	2248	Plca	Pluchea	camphorata	2	2	-	-	-
2221	4063	Poau	Poa	autumnalis	-	-	-	-	-
2221	4063	Poco	Poa	compressa	-	1	-	2	-
2221	4063	Popr	Poa	pratensis	-	1	2	2	-
2221	4063	Posp	Poa	spp.	-	-	-	-	-
1331	1090	Pope	Podophyllum	peltatum	2	1	1	2	3
1222	7351	Poce	Podostemum	ceratophyllum	2	-	-	-	-
1777	7380	Pore	Polemonium	reptans	-	-	2	2	-
1441	7402	Pocr1	Polygala	cruciata	2	-	-	-	-
1441	7402	Pocu	Polygala	curtissii	2	-	-	-	-
1441	7402	Popa	Polygala	pauciflora	2	2	-	-	-
1441	7402	Posa1	Polygala	sanguinea	2	-	-	-	-
1441	7402	Pose	Polygala	senega	2	-	2	2	-
1441	7402	Pose 1	Polygala	senega	-	-	-	-	-
1441	7402	Pose 1		latifolia	-	-	2	-	-
1441	7402	Pove	Polygala	verticillata	-	-	2	-	-
1441	7402	Pove 1	Polygala	verticillata	-	-	-	-	-
1441	7402	Pove 1		ambigua	2	2	-	2	-
1441	7402	Pove 2	Polygala	verticillata	-	-	-	-	-
1441	7402	Pove 2		isocycla	-	-	2	2	-
2661	5336	Pobi	Polygonatum	biflorum	-	1	1	2	2
2661	5336	Poca	Polygonatum	canaliculatum	-	-	-	2	2
1227	7404	Poav	Polygonum	aviculare	-	-	-	2	-
1227	7404	Pocr	Polygonum	cristatum	-	-	-	-	-
1227	7404	Poer	Polygonum	erectum	-	-	-	2	-
1227	7404	Pohy	Polygonum	hydropiperoides	2	2	-	-	-
1227	7404	Pohy 1	Polygonum	hydropiperoides	-	-	-	-	-
1227	7404	Pohy 1		setaceum	-	2	-	-	-
1227	7404	Pola	Polygonum	lapathifolium	-	2	-	2	-
1227	7404	Poor	Polygonum	orientale	-	-	-	2	-
1227	7404	Pope2	Polygonum	pensylvanicum	-	2	-	1	-
1227	7404	Pope21	Polygonum	pensylvanicum	-	-	-	-	-
1227	7404	Pope21		durum	-	2	-	2	-
1227	7404	Pope22	Polygonum	pensylvanicum	-	-	-	-	-
1227	7404	Pope22		laevigatum	-	-	-	2	-
1227	7404	Pope3	Polygonum	persicaria	-	2	-	2	-
1227	7404	Popr1	Polygonum	prolificum	-	-	-	2	-
1227	7404	Popu	Polygonum	punctatum	-	2	-	-	-
1227	7404	Popu 1	Polygonum	punctatum	-	-	-	-	-
1227	7404	Popr 1		leptostachyum	-	-	-	2	-
1227	7404	Posa	Polygonum	sagittatum	2	-	-	2	-
1227	7404	Posc	Polygonum	scandens	-	1	-	2	-
1883	2248	Poca2	Polymnia	canadensis	-	1	2	2	1
1883	2248	Pouv	Polymnia	uvedalia	-	1	2	2	1
4104	7410	Popo	Polypodium	polypodioides	-	3	3	1	-
4104	7410	Popo 1	Polypodium	polypodioides	-	-	-	-	-
4104	7410	Popo 1		michauxianum	3	3	3	3	3
4104	7410	Povi	Polypodium	virginianum	3	3	3	3	-
4104	7410	Poac	Polystichum	acrostichoides	3	1	1	1	3

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4104	7410	Poac 1	Polystichum	acrostichoides	-	-	-	-	-
4104	7410	Poac 1		fo. incisum	-	3	-	-	-
1441	8068	Potr	Poncirus	trifoliata	-	3	-	-	-
1104	8112	Poal	Populus	alba	-	1	3	2	3
1104	8112	Pode	Populus	deltoides	3	2	2	-	3
1104	8112	Pogi	Populus	gileadensis	-	-	2	-	-
2112	7471	Podi	Potamogeton	diversifolius	2	-	-	2	-
2112	7471	Pote	Potamogeton	tennesseensis	2	-	-	-	-
1334	8019	Poca1	Potentilla	canadensis	2	3	1	2	-
1334	8019	Poca11	Potentilla	canadensis	-	-	-	-	-
1334	8019	Poca11		villosissima	-	-	2	-	-
1334	8019	Pono	Potentilla	norvegica	-	2	2	2	-
1334	8019	Pore1	Potentilla	recta	3	1	1	2	2
1334	8019	Posi	Potentilla	simplex	2	3	2	2	2
1334	8019	Potr1	Potentilla	tridentata	-	2	-	-	-
1883	2248	Pra1	Prenanthes	alba	-	2	-	-	-
1883	2248	Pra11	Prenanthes	altissima	-	-	-	2	-
1662	4241	Prpa	Prosperpinaca	palustris	2	-	-	2	-
1777	5032	Prvu	Prunella	vulgaris	3	1	2	1	-
1777	5032	Prvu 1	Prunella	vulgaris	-	-	-	-	-
1777	5032	Prvu 1		hispida	-	-	2	-	-
1777	5032	Prvu 2	Prunella	vulgaris	-	-	-	-	-
1777	5032	Prvu 2		lanceolata	-	-	-	2	-
1334	8019	Pram	Prunus	americana	2	1	2	2	-
1334	8019	Pran	Prunus	angustifolia	-	2	2	-	-
1334	8019	Prav	Prunus	avium	-	3	-	-	-
1334	8019	Prho	Prunus	hortulana	3	3	2	2	-
1334	8019	Prmu	Prunus	munsoniana	-	2	2	-	-
1334	8019	Prpe	Prunus	pensylvanica	-	-	2	-	-
1334	8019	Prpe1	Prunus	persica	-	3	-	2	-
1334	8019	Prse	Prunus	serotina	3	1	2	2	3
1334	5183	Pson	Psoralea	onobrychis	-	-	-	2	-
1441	8068	Pttr	Ptelea	trifoliata	-	-	-	3	-
4104	7410	Ptaq	Pteridium	aquilinum	-	1	3	3	-
4104	7410	Ptaq 1	Pteridium	aquilinum	-	-	-	-	-
4104	7410	Ptaq 1		latiusculum	3	3	-	3	3
1334	5183	Pulo	Pueraria	lobata	1	3	-	2	-
1777	5032	Pyfl	Pycnanthemum	flexuosum	2	1	1	2	-
1777	5032	Pyin	Pycnanthemum	incanum	2	2	1	1	-
1777	5032	Pypy	Pycnanthemum	pycnanthemoides	-	3	3	-	-
1777	5032	Pyve	Pycnanthemum	verticillatum	-	-	2	-	-
1777	5032	Pyvi	Pycnanthemum	virginianum	-	2	1	-	-
1883	2248	Pyca	Pyrrhopappus	carolinianus	-	1	2	2	1
1334	8019	Pyan	Pyrus	angustifolia	2	-	-	-	-
1334	8019	Pyar	Pyrus	arbutifolia	2	-	-	-	-
1334	8019	Pyco	Pyrus	communis	-	3	-	-	-
1334	8019	Pyma	Pyrus	malus	-	2	-	2	-
1334	8019	Pyme	Pyrus	melanocarpa	2	-	-	-	-
1114	3619	Qual	Quercus	alba	3	1	3	1	-
1114	3619	Qubi	Quercus	bicolor	-	1	3	-	-
1114	3619	Quco	Quercus	coccinea	3	1	1	3	3
1114	3619	Qufa	Quercus	falcata	3	3	1	1	3
1114	3619	Quma	Quercus	marilandica	3	1	3	3	3

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1114	3619	Qumu	Quercus	muehlenbergii	-	1	1	3	-
1114	3619	Quph	Quercus	phellos	-	1	-	-	-
1114	3619	Qupr	Quercus	prinus	3	3	3	3	3
1114	3619	Quru	Quercus	rubra	3	1	1	1	1
1114	3619	Qush	Quercus	shumardii	-	3	3	-	-
1114	3619	Qust	Quercus	stellata	3	3	3	1	3
1114	3619	Quve	Quercus	velutina	3	1	1	3	3
1331	7794	Raab	Ranunculus	abortivus	-	3	-	2	-
1331	7794	Rabu	Ranunculus	bulbosus	-	3	1	2	-
1331	7794	Raca	Ranunculus	carolinianus	-	-	2	-	-
1331	7794	Rafa	Ranunculus	fascicularis	-	2	-	2	-
1331	7794	Rahi	Ranunculus	hispidus	-	1	2	2	-
1331	7794	Rahi 1	Ranunculus	hispidus	-	-	-	-	-
1331	7794	Rahi 1		greenmanii	-	-	2	-	-
1331	7794	Rahi 2	Ranunculus	hispidus	-	-	-	-	-
1331	7794	Rahi 2		falsus	-	2	-	-	-
1331	7794	Rapa	Ranunculus	parviflorus	-	2	-	2	-
1331	7794	Rapu	Ranunculus	pusillus	-	2	-	-	-
1331	7794	Rare	Ranunculus	recurvatus	-	1	-	2	1
1331	7794	Rase	Ranunculus	septentrionalis	-	2	2	2	-
1332	2464	Rara	Raphanus	raphanistrum	-	3	2	-	-
1883	2248	Rapi	Ratibida	pinnata	-	1	1	-	2
1551	7882	Rhca	Rhamnus	caroliniana	3	1	1	1	3
1662	5796	Rhma1	Rhexia	mariana	2	-	2	-	-
1662	5796	Rhvi	Rhexia	virginica	2	2	2	2	-
1772	3429	Rhar1	Rhododendron	arborescens	-	-	-	-	-
1772	3429	Rhar11	Rhododendron	arborescens	-	-	-	-	-
1772	3429	Rhar11		richardsonii	-	-	-	2	-
1772	3429	Rhca2	Rhododendron	canescens	-	2	2	2	-
1772	3429	Rhca3	Rhododendron	catawbiense	-	-	3	-	-
1772	3429	Rhca1	Rhododendron	calendulaceum	3	1	2	3	3
1772	3429	Rhma	Rhododendron	maximum	3	-	2	3	-
1772	3429	Rhnu	Rhododendron	nudiflorum	3	2	2	2	2
1772	3429	Rhnu 1	Rhododendron	nudiflorum	-	-	-	-	-
1772	3429	Rhnu 1		fo. glandiferum	2	-	2	2	-
1772	3429	Rhro	Rhododendron	roseum	-	-	-	-	2
1442	428	Rhar	Rhus	aromatica	-	-	2	3	-
1442	428	Rhco	Rhus	copallina	3	3	1	1	3
1442	428	Rhgl	Rhus	glabra	3	1	1	1	3
1442	428	Rhra	Rhus	radicans	3	1	1	3	3
1442	428	Rhty	Rhus	typhina	-	-	3	3	-
1334	5183	Rhto	Rhynchosia	tomentosa	-	1	-	2	-
1334	8202	Ricu	Ribes	curvatum	-	2	-	-	-
1334	8202	Ricy	Ribes	cynosbati	3	-	-	-	-
1334	8202	Rigr	Ribes	grossularia	-	-	-	-	-
1334	5183	Rogr	Robinia	grandiflora	3	-	-	3	-
1334	5183	Rohi	Robinia	hispida	-	3	3	3	-
1334	5183	Rops	Robinia	pseudo-acacia	2	3	1	2	3
1334	5183	Rovi	Robinia	viscosa	-	-	3	-	-
1332	2464	Rois	Rorippa	islandica	-	-	-	2	-
1332	2464	Rose	Rorippa	sessiliflora	-	2	-	-	-
1334	8019	Roca	Rosa	carolina	-	2	2	2	-
1334	8019	Roca 1	Rosa	carolina	-	-	-	-	-
1334	8019	Roca 1		villosa	-	-	3	3	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1334	8019	Roeg	Rosa	eglanteria	-	-	-	2	-
1334	8019	Romu	Rosa	multiflora	-	-	2	-	-
1334	8019	Rose1	Rosa	setigera	-	1	1	2	-
1334	8019	Rose11	Rosa	setigera	-	-	-	-	-
1334	8019	Rose11		tomentosa	-	-	-	2	-
1334	8019	Rosp	Rosa	spp.	-	3	3	-	-
1662	5540	Rora	Rotala	ramosior	-	2	-	-	-
1662	5540	Rora 1	Rotala	ramosior	-	-	-	-	-
1662	5540	Rora 1		interior	-	2	-	-	-
1334	8019	Rual	Rubus	allegheniensis	-	-	2	-	-
1334	8019	Ruar	Rubus	argutus	-	3	2	2	-
1334	8019	Rucu	Rubus	cuneifolius	-	-	-	2	-
1334	8019	Ruen	Rubus	enslenii	-	3	2	2	-
1334	8019	Ruin	Rubus	invisus	-	-	2	-	-
1334	8019	Ruje	Rubus	jennisonii	-	-	-	3	-
1334	8019	Ruoc	Rubus	occidentalis	3	2	3	2	2
1334	8019	Rutr1	Rubus	trivialis	-	3	3	-	-
1334	8019	Rusp	Rubus	spp.	-	3	1	-	-
1883	2248	Rufu	Rudbeckia	fulgida	-	-	1	2	2
1883	2248	Rufu 1	Rudbeckia	fulgida	-	-	-	-	-
1883	2248	Rufu 1		umbrosa	-	-	2	-	-
1883	2248	Ruhi	Rudbeckia	hirta	3	1	1	2	1
1883	2248	Ruhi 1	Rudbeckia	hirta	-	-	-	-	-
1883	2248	Ruhi 1		serotina	-	-	-	2	-
1883	2248	Rula	Rudbeckia	laciniata	2	2	2	-	1
1883	2248	Ruse	Rudbeckia	serotina	-	1	-	-	-
1883	2248	Ruspl	Rudbeckia	speciosa	-	2	-	-	-
1883	2248	Rutr	Rudbeckia	triloba	-	-	2	-	1
1777	29	Ruca	Ruellia	caroliniensis	-	2	3	1	2
1777	29	Ruhu	Ruellia	humilis	-	-	2	2	-
1777	29	Rust	Ruellia	strepens	-	-	2	2	-
1227	7404	Ruac	Rumex	acetosella	3	-	1	2	1
1227	7404	Rucr	Rumex	crispus	3	2	1	-	3
1227	7404	Ruob	Rumex	obtusifolius	-	2	1	2	-
1227	7404	Rupu	Rumex	pulcher	-	-	-	2	-
1227	7404	Ruve	Rumex	verticillatus	-	-	-	2	-
1776	3880	Saan	Sabatia	angularis	-	1	1	2	-
2112	303	Sacu	Sagittaria	cuneata	-	-	1	-	-
2112	303	Sala	Sagittaria	latifolia	-	-	-	-	-
2112	303	Samo	Sagittaria	montevidensis	-	1	-	-	-
1104	8112	Sadi	Salix	discolor	-	2	3	-	-
1104	8112	Sain 1	Salix	interior	-	-	-	-	-
1104	8112	Sain 1		pedicellata	-	2	-	-	-
1104	8112	Sani	Salix	nigra	3	3	1	1	3
1777	5032	Saly	Salvia	lyrata	2	3	1	2	2
1777	5032	Saur	Salvia	urticifolia	-	-	1	2	2
1881	1619	Saca3	Sambucus	canadensis	2	1	1	1	3
1773	7508	Sapa	Samolus	parviflorus	-	-	2	2	-
1332	6760	Saca2	Sanguinaria	canadensis	-	1	1	2	-
1663	9538	Saca1	Sanicula	canadensis	-	2	1	2	-
1663	9538	Sagr	Sanicula	gregaria	-	-	2	2	-
1663	9538	Sama	Sanicula	marilandica	2	-	1	-	-
1663	9538	Sasm	Sanicula	smallii	-	3	-	2	2

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1228	1683	Saof	Saponaria	officinalis	-	-	1	1	3
1228	1683	Sava	Saponaria	vaccaria	-	-	-	2	-
1331	5144	Saal	Sassafras	albidum	-	3	1	1	3
1777	5032	Saca	Satureja	calamintha	-	1	-	2	-
1777	5032	Savu	Satureja	vulgaris	1	-	-	2	-
1102	8193	Sace	Saururus	cernuus	-	2	1	1	-
1334	8202	Saca5	Saxifraga	careyana	-	-	-	2	-
1334	8202	Saca4	Saxifraga	caroliniana	-	-	1	-	-
1334	5183	Scmi	Schrankia	microphylla	-	-	-	2	-
2222	2614	Scam	Scirpus	americanus	-	-	-	1	-
2222	2614	Scat	Scirpus	atrovirens	-	2	1	-	-
2222	2614	Scli	Scirpus	lineatus	-	3	1	-	-
2222	2614	Scpo	Scirpus	polyphyllus	-	1	-	-	-
2222	2614	Scru	Scirpus	rubricosus	-	2	-	2	-
2222	2614	Scsp	Scirpus	sp.	-	-	1	-	-
1228	1683	Scan	Scleranthus	anuus	-	-	-	2	-
2222	2614	Scol	Scleria	oligantha	-	2	3	2	-
2222	2614	Scpal	Scleria	pauciflora	-	-	2	-	-
2222	2614	Sctr	Scleria	triglomerata	2	1	3	-	-
1777	8351	Scma	Scrophularia	marilandica	-	-	-	2	-
1777	5032	Scau	Scutellaria	australis	-	-	-	2	-
1777	5032	Scel	Scutellaria	elliptica	2	2	2	2	-
1777	5032	Scel 1	Scutellaria	elliptica	-	-	-	-	-
1777	5032	Scel 1		punctata	2	1	1	2	-
1777	5032	Scel 2	Scutellaria	elliptica	-	-	-	-	-
1777	5032	Scel 2		hirsuta	1	-	2	2	-
1777	5032	Scin	Scutellaria	incana	2	-	-	-	-
1777	5032	Scin 1	Scutellaria	incana	-	-	-	-	-
1777	5032	Scin 1		punctata	2	-	-	-	-
1777	5032	Scin1	Scutellaria	integrifolia	2	2	2	1	-
1777	5032	Scin11	Scutellaria	integrifolia	-	-	-	-	-
1777	5032	Scin11		hispida	2	-	-	-	-
1777	5032	Scla	Scutellaria	lateriflora	2	2	-	-	-
1777	5032	Scle	Scutellaria	leonardii	-	-	2	2	-
1777	5032	Scov	Scutellaria	ovata	-	1	-	-	-
1777	5032	Scpa	Scutellaria	parvula	-	1	3	-	-
1777	5032	Scse 1	Scutellaria	serrata	-	-	-	-	-
1777	5032	Scse 1		montana	-	2	-	-	-
2221	4063	Sece	Secale	cereale	-	3	-	-	-
1334	2411	Seac	Sedum	acre	-	-	2	-	-
1334	2411	Sepu	Sedum	pulchellum	-	-	-	2	-
1334	2411	Sesa	Sedum	sarmentosum	-	-	-	2	-
1334	2411	Sete1	Sedum	telephium	-	-	-	2	-
1334	2411	Sete	Sedum	ternatum	-	2	1	2	2
4333	8392	Seap	Selaginella	apoda	-	-	1	-	-
1883	2248	Seau	Senecio	aureus	-	2	-	2	-
1883	2248	Seob	Senecio	obovatus	-	2	2	2	-
1883	2248	Sepa 1	Senecio	pauperculus	-	-	-	-	-
1883	2248	Sepa 1		balsamitae	2	-	2	-	-
1883	2248	Sepa 2	Senecio	pauperculus	-	-	-	-	-
1883	2248	Sepa 2		crawfordii	2	-	-	-	-
1883	2248	Sepl	Senecio	plattensis	-	-	-	2	-
1883	2248	Sesm	Senecio	smallii	2	1	1	2	1

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1883	2248	Seas	Sericocarpus	asteroides	-	1	2	2	1
1883	2248	Seli	Seriocarpus	linifolius	-	-	2	-	-
2221	4063	Sege	Setaria	geniculata	-	2	-	-	-
2221	4063	Segl	Setaria	glauca	-	2	-	-	-
2221	4063	Sevi	Setaria	viridis	2	1	-	-	-
2221	4063	Sevi 1	Setaria	viridis	-	-	-	-	-
2221	4063	Sevi 1		major	-	1	-	-	-
1881	8045	Shar	Sherardia	arvensis	-	3	2	2	1
1332	2464	Sivil	Sibara	virginica	-	2	2	2	-
1882	2495	Sian2	Sicyos	angulatus	-	-	-	2	-
1552	5643	Sirh	Sida	rhombifolia	-	-	-	-	2
1552	5643	Sisp	Sida	spinosa	-	1	-	2	-
1228	1683	Sian1	Silene	antirrhina	-	-	2	2	2
1228	1683	Siro	Silene	rotundifolia	2	-	-	-	-
1228	1683	Sist	Silene	stellata	2	-	1	2	-
1228	1683	Sivi	Silene	virginica	2	2	1	2	2
1883	2248	Sias	Silphium	asteriscus	-	1	2	2	-
1883	2248	Site	Silphium	terebinthinaceum	-	3	2	-	2
1883	2248	Sitr	Silphium	trifoliatum	-	1	2	-	1
1332	2464	Sial1	Sisymbrium	altissimum	-	-	-	2	-
1332	2464	Sial	Sisymbrium	albidum	-	-	-	-	-
1332	2464	Siof	Sisymbrium	officinale	-	-	-	2	-
2661	4787	Sian	Sisyrinchium	angustifolium	-	1	1	3	-
2661	4787	Simu	Sisyrinchium	mucronatum	-	3	-	-	-
2661	5336	Smra	Smilacina	racemosa	2	1	1	2	2
2661	5336	Smra 1	Smilacina	racemosa	-	-	-	-	-
2661	5336	Smra 1		cylindrata	-	1	-	-	-
2661	5336	Smbo	Smilax	bona-nox	-	3	1	3	3
2661	5336	Smec	Smilax	ecirrhata	-	1	-	-	-
2661	5336	Smgl	Smilax	glauca	3	1	1	1	-
2661	5336	Smhu	Smilax	hugeri	2	2	3	2	-
2661	5336	Smpu	Smilax	pulverulenta	-	-	2	-	-
2661	5336	Smro	Smilax	rotundifolia	-	-	-	3	-
2661	5336	Smro 1	Smilax	rotundifolia	-	-	-	-	-
2661	5336	Smro 1		hispida	-	1	1	3	-
2661	5336	Smta	Smilax	tamnoides	-	-	-	-	-
1777	8563	Soam	Solanum	americanum	-	-	-	-	-
1777	8563	Soca	Solanum	carolinense	-	1	1	2	-
1777	8563	Soni	Solanum	nigrum	-	2	1	2	2
1777	8563	Sost	Solanum	stramonium	-	-	2	2	-
1883	2248	Soal	Solidago	altissima	-	2	-	2	2
1883	2248	Soar	Solidago	arguta	-	-	2	-	-
1883	2248	Soas1	Solidago	aspera	2	-	-	-	-
1883	2248	Sobo	Solidago	boottii	-	2	-	2	-
1883	2248	Soca2	Solidago	caesia	-	-	3	2	-
1883	2248	Soca1	Solidago	canadensis	-	2	-	-	-
1883	2248	Socu	Solidago	curtisii	-	2	-	2	-
1883	2248	Sode	Solidago	decemflora	-	-	-	-	2
1883	2248	Soer	Solidago	erecta	-	2	-	2	-
1883	2248	Sofl1	Solidago	flaccidifolia	-	-	-	2	-
1883	2248	Sofl	Solidago	flexicaulis	-	-	-	2	-
1883	2248	Sogi	Solidago	gigantea	-	1	1	-	1
1883	2248	Sogi 1	Solidago	gigantea	-	-	-	-	-
1883	2248	Sogi 1		leiophylla	-	-	2	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1883	2248	Soha1	Solidago	harperi	-	-	-	2	-
1883	2248	Soju	Solidago	juncea	-	-	-	-	-
1883	2248	Sone	Solidago	nemoralis	-	2	1	-	-
1883	2248	Sone 1	Solidago	nemoralis	-	-	-	-	-
1883	2248	Sone 1		haleana	-	2	2	2	-
1883	2248	Sood	Solidago	odora	-	2	-	1	2
1883	2248	Sopa	Solidago	parvirigida	-	-	-	2	2
1883	2248	Sopu	Solidago	puberula	-	-	-	2	-
1883	2248	Sosp21	Solidago	speciosa	-	-	-	-	-
1883	2248	Sosp21		angustata	-	-	-	2	-
1883	2248	Sosp	Solidago	sphacelata	-	-	2	2	-
1883	2248	Soul	Solidago	ulmifolia	-	-	-	2	-
1883	2248	Soya	Solidago	yadkinensis	-	-	-	2	-
1883	2248	Sospl	Solidago	sp.	-	-	-	-	-
1883	2248	Soas	Sonchus	asper	-	1	2	2	-
1883	2248	Sool	Sonchus	oleraceus	-	2	-	2	-
1883	2248	Sool 1	Sonchus	oleraceus	-	-	-	-	-
1883	2248	Sool 1		integrifolius	-	2	-	2	-
2221	4063	Soel	Sorghastrum	elliottii	-	-	-	2	-
2221	4063	Sonu	Sorghastrum	nutans	2	2	3	-	-
2221	4063	Soha	Sorgum	halepense	-	1	1	2	-
2111	8612	Spam	Sparganium	americanum	2	-	-	-	-
1883	1562	Sppe	Specularia	perfoliata	-	1	2	2	-
2221	4063	Spfi	Sphenopholis	filiformis	-	1	-	-	-
2221	4063	Spin	Sphenopholis	intermedia	-	2	-	-	-
2221	4063	Spni	Sphenopholis	nitida	-	3	-	-	-
2221	4063	Spob	Sphenopholis	obtusata	-	1	-	-	-
1776	5417	Spma	Spigelia	marilandica	2	1	1	2	2
1334	8019	Spdo	Spiraea	douglassii	-	-	1	-	-
1334	8019	Spja 1	Spiraea	japonica	-	-	-	-	-
1334	8019	Spja 1		fortunei	2	-	-	-	-
1334	8019	Sppr	Spiraea	prunifolia	-	-	2	-	-
1334	8019	Spto 1	Spiraea	tomentosa	-	-	-	-	-
1334	8019	Spto 1		rosea	2	-	-	-	-
2881	6550	Sptu 1	Spiranthes	tuberosa	-	-	-	-	-
2881	6550	Sptu 1		grayi	-	-	-	-	-
2881	6550	Spve	Spiranthes	vernalis	-	-	1	-	-
1777	5032	Stla	Stachys	latidens	-	-	-	2	-
1777	5032	Stri	Stachys	riddellii	-	-	2	-	-
1777	5032	Stte	Stachys	tenuifolia	-	1	-	2	1
1442	8708	Sttr	Staphylea	trifolia	-	1	1	3	-
1228	1683	Stgr	Stellaria	graminea	-	-	-	2	-
1228	1683	Stme	Stellaria	media	-	3	2	2	-
1228	1683	Stpu	Stellaria	pubera	2	2	2	2	2
1228	1683	Sttel	Stellaria	tennesseensis	-	-	2	2	-
1553	9160	Stov	Stewartia	ovata	2	3	2	-	-
2221	4063	Stav	Stipa	avenacea	-	-	-	2	-
1334	5183	Sthe	Strophostyles	helvola	-	2	-	2	-
1334	5183	Stle	Strophostyles	leiosperma	-	-	-	2	-
1334	5183	Stum	Strophostyles	umbellata	2	-	-	2	-
1332	6760	Stdi	Stylophorum	diphyllum	-	3	2	2	-
1334	5183	Stbi	Stylosanthes	biflora	2	1	-	1	-
1881	1619	Syor	Symphoricarpos	orbiculatus	-	2	-	2	2
1777	1239	Syof	Symphytum	officinale	-	-	-	2	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1663	9538	Tain	Taenidia	integerrima	-	-	2	2	-
1883	2248	Taer	Taraxacum	erythrospermum	-	2	-	2	-
1883	2248	Taof	Taraxacum	officinale	-	1	2	2	3
1334	5183	Tesp	Tephrosia	spicata	-	-	-	2	2
1334	5183	Tevi	Tephrosia	virginiana	2	1	2	2	-
1883	2248	Tehe	Tetragonotheca	helianthoides	-	-	-	2	-
1777	5032	Teca	Teucrium	canadense	-	2	1	2	2
1331	7794	Thdi	Thalictrum	dioicum	-	3	2	2	-
1331	7794	Thpo	Thalictrum	polygamum	-	-	-	2	1
1331	7794	Thre	Thalictrum	revolutum	-	-	3	2	2
1663	9538	Thba	Thaspium	barbinode	2	1	2	2	-
1663	9538	Thtr	Thaspium	trifoliatum	-	1	-	-	-
1332	2464	Thar	Thlaspi	arvense	-	-	-	2	-
1332	2464	Thpe	Thlaspi	perfoliatum	-	-	-	2	-
3111	7182	Thoc	Thuja	occidentalis	-	3	3	-	-
1334	8202	Tico	Tiarella	cordifolia	2	1	1	2	2
1552	9243	Tiam	Tilia	americana	-	1	-	-	-
1552	9243	Tihe	Tilia	heterophylla	-	3	3	3	-
2881	6550	Tidi	Tipularia	discolor	-	3	1	-	-
1663	9538	Toja	Torilis	japonica	-	3	-	-	-
1227	7404	Tovi	Tovara	virgininana	2	3	1	2	-
1227	7404	Tovi 1	Tovara	virginiana	-	-	-	-	-
1227	7404	Tovi 1		glaberrima	-	-	2	-	-
2551	2238	Trsu	Tradescantia	subaspera	-	-	1	-	-
2551	2238	Trsu 1	Tradescantia	subaspera	-	-	-	-	-
2551	2238	Trsu 1		montana	-	-	-	-	-
1883	2248	Trpo	Tragopogon	porrifolius	-	-	-	2	-
1331	7794	Trca	Trautvetteria	caroliniensis	2	2	2	-	-
2221	4063	Trfl	Tridens	flava	-	1	-	-	-
1777	5032	Trarl	Trifolium	agrarium	-	-	-	-	1
1777	5032	Trdi	Trichostema	dichotomum	-	-	2	2	2
1334	5183	Trar	Trifolium	arvense	-	-	-	2	-
1334	5183	Trdu	Trifolium	dubium	-	-	2	2	-
1334	5183	Trhi	Trifolium	hirtum	-	-	-	2	-
1334	5183	Trhy	Trifolium	hybridum	-	-	-	2	-
1334	5183	Trin	Trifolium	incarnatum	-	-	-	2	-
1334	5183	Trla	Trifolium	lappaceum	-	-	-	2	-
1334	5183	Trpr	Trifolium	pratense	3	1	2	2	1
1334	5183	Trprl	Trifolium	procumbens	-	1	2	2	-
1334	5183	Trre	Trifolium	repens	3	1	2	2	3
1334	5183	Trsp	Trifolium	spp.	-	-	1	-	-
2661	5336	Trcu	Trillium	cuneatum	-	1	2	-	-
2661	5336	Trer	Trillium	erectum	2	2	2	2	-
2661	5336	Trer 1	Trillium	erectum	-	-	-	-	-
2661	5336	Trer 1		blandum	-	-	2	2	-
2661	5336	Trgr	Trillium	grandiflorum	-	-	-	-	-
2661	5336	Trlu	Trillium	luteum	2	2	2	2	2
1881	1619	Trau	Triosetum	aurantiacum	-	-	-	2	-
1881	1619	Trpe	Triosetum	perfoliatum	-	-	-	2	-
1881	1619	Tran	Triosteum	angustifolium	-	2	1	2	2
3111	7182	Tsca	Tsuga	canadensis	3	3	3	3	-
2111	9516	Tyla	Typha	latifolia	3	2	1	2	3
1221	9532	Ulal	Ulmus	alata	3	1	1	1	3

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1221	9532	Ulam	Ulmus	americana	3	3	2	3	3
1221	9532	Ulru	Ulmus	rubra	-	1	3	3	3
1221	9532	Ulth	Ulmus	thomasii	-	-	-	3	3
2661	4063	Unla	Uniola	latifolia	-	1	-	-	-
2661	5336	Uvgr	Uvularia	grandiflora	-	1	-	2	-
2661	5336	Uvpe	Uvularia	perfoliata	-	1	3	2	-
2661	5336	Uvse	Uvularia	sessilifolia	-	3	2	-	-
1772	3429	Vaar	Vaccinium	arboreum	3	3	1	1	3
1772	3429	Vaat	Vaccinium	atrococcum	-	3	-	-	-
1772	3429	Vaco	Vaccinium	corymbosum	2	-	-	-	-
1772	3429	Vali	Vaccinium	liparis	2	-	-	-	-
1772	3429	Vame	Vaccinium	melanocarpum	-	-	2	-	-
1772	3429	Vapa	Vaccinium	pallidum	-	3	-	-	-
1772	3429	Vasi	Vaccinium	simulatum	3	3	-	-	-
1772	3429	Vast	Vaccinium	stamineum	2	1	1	2	3
1772	3429	Vast 1	Vaccinium	stamineum	-	-	-	-	-
1772	3429	Vast 1		candicans	3	-	-	-	-
1772	3429	Vast 2	Vaccinium	stamineum	-	-	-	-	-
1772	3429	Vast 2		melanocarpum	-	-	3	-	-
1772	3429	Vast 3	Vaccinium	stamineum	-	-	-	-	-
1772	3429	Vast 3		neglectum	-	-	-	3	3
1772	3429	Vasu	Vaccinium	subcordatus	-	2	-	2	-
1772	3429	Vala	Vaccinium	lamarchii	-	-	-	3	-
1772	3429	Vava	Vaccinium	vacillans	3	1	3	1	3
1881	9599	Vaol	Valerianella	olitoria	-	-	2	2	-
1881	9599	Vara	Valerianella	radiata	-	-	-	2	-
1881	9599	Vaum	Valerianella	umbilicata	-	-	-	2	-
1777	8351	Vebl	Verbascum	blattaria	-	3	1	2	2
1777	8351	Veth	Verbascum	thapsus	-	-	1	2	2
1777	9654	Vesc	Verbena	scabra	-	1	-	-	-
1777	9654	Vesi	Verbena	simplex	-	1	1	2	2
1777	9654	Vest	Verbena	stricta	-	1	-	-	-
1777	9654	Veur	Verbena	urticifolia	-	1	2	-	-
1883	2248	Veoc	Verbesina	occidentalis	-	2	1	2	2
1883	2248	Vevi	Verbesina	virginica	-	-	1	2	-
1883	2248	Veal	Vernonia	altissima	-	1	1	2	2
1777	8351	Veam	Veronica	americana	-	-	-	2	-
1777	8351	Vean	Veronica	anagallis-aquatica	-	1	1	2	2
1777	8351	Vear	Veronica	arvensis	-	1	-	2	-
1777	8351	Vehe	Veronica	hederaefolia	-	-	-	2	-
1777	8351	Veof	Veronica	officinalis	2	2	-	2	-
1777	8351	Vepel	Veronica	persica	-	-	-	2	-
1777	8351	Vepe	Veronica	peregrina	-	2	2	2	-
1777	8351	Vese	Veronica	serpyllifolia	-	2	-	2	-
1777	8351	Vevil	Veronicastrum	virginicum	-	2	-	2	-
1881	1619	Viac	Viburnum	acerifolium	3	1	2	-	-
1881	1619	Viac 1	Viburnum	acerifolium	-	-	-	-	-
1881	1619	Viac 1		glabrescens	2	-	-	-	-
1881	1619	Viac 2	Viburnum	acerifolium	-	-	-	-	-
1881	1619	Viac 2		ovatum	-	2	-	-	-
1881	1619	Vica	Viburnum	cassinoides	2	-	-	-	-
1881	1619	Vide	Viburnum	dentatum	3	-	-	-	-
1881	1619	Viin	Viburnum	indianense	2	-	-	-	-

ORDER	FAMILY	CODE	GENUS	SPECIES	M	R	A	K	L
1881	1619	Vinu	Viburnum	nudum	-	-	-	2	-
1881	1619	Vipr	Viburnum	prunifolium	-	3	3	2	-
1881	1619	Vire	Viburnum	recognitum	2	-	-	-	-
1881	1619	Viru	Viburnum	rufidulum	3	3	1	2	2
1334	5183	Vian	Vicia	angustifolia	-	-	-	2	-
1334	5183	Vica2	Vicia	caroliniana	2	2	2	2	-
1334	5183	Vigr	Vicia	grandiflora	-	3	-	2	-
1334	5183	Vivi	Vicia	villosa	-	3	2	2	-
1334	5183	Visp	Vicia	sp.	-	-	1	-	-
1776	650	Vima	Vinca	major	-	-	-	2	-
1776	650	Vimi	Vinca	minor	-	1	2	2	-
1776	782	Vigo	Vincetoxicum	gonocarpos	-	-	2	2	-
1553	9693	Vica1	Viola	canadensis	-	1	3	3	1
1553	9693	Vico	Viola	conspersa	-	-	-	-	-
1553	9693	Vicu	Viola	cucullata	3	2	2	3	-
1553	9693	Viem	Viola	emarginata	-	1	-	-	-
1553	9693	Viha	Viola	hastata	-	3	1	-	-
1553	9693	Vihi	Viola	hirsutula	-	1	3	3	-
1553	9693	Viki 1	Viola	kitaibeliana	-	-	-	-	-
1553	9693	Viki 1		rafinesquii	-	1	3	3	-
1553	9693	Vila1	Viola	lanceolata	-	-	-	-	-
1553	9693	Vipa	Viola	palmata	-	3	-	-	-
1553	9693	Vipa	Viola	papilionacea	-	3	3	3	-
1553	9693	Vipa 1	Viola	papilionacea	-	-	-	-	-
1553	9693	Vipa 1		priceana	-	3	-	-	-
1553	9693	Vipe1	Viola	pensylvanica	-	-	-	-	-
1553	9693	Vipe	Viola	pedata	-	3	-	3	-
1553	9693	Vipr11	Viola	primulifolia	-	-	-	-	-
1553	9693	Vipr11		villosa	-	3	-	-	-
1553	9693	Vipu	Viola	pubescens	-	3	-	-	-
1553	9693	Viro2	Viola	rotundifolia	-	3	-	-	-
1553	9693	Viro	Viola	rostrata	3	3	3	3	-
1553	9693	Visa	Viola	sagittata	-	1	1	-	-
1553	9693	Vise	Viola	septemloba	-	-	1	-	-
1553	9693	Viso	Viola	sororia	-	3	3	3	-
1553	9693	Vist1	Viola	stoneana	-	-	3	-	-
1553	9693	Vist	Viola	striata	-	3	3	3	-
1553	9693	Vitr	Viola	triloba	-	1	3	3	-
1553	9693	Vitr11	Viola	tripartita	-	-	-	-	-
1553	9693	Vitr11		glaberrima	-	1	1	-	-
1553	9693	Visp1	Viola	spp.	-	-	-	-	-
1551	9704	Viae	Vitis	aestivalis	-	-	-	3	-
1551	9704	Viba	Vitis	baileyana	-	-	-	3	-
1551	9704	Vila	Vitis	labrusca	-	-	-	1	-
1551	9704	Viri	Vitis	riparia	-	-	1	-	-
1551	9704	Viro1	Vitis	rotundifolia	3	3	3	2	-
1551	9704	Vivu	Vitis	vulpina	-	2	1	-	-
1551	9704	Visp2	Vitis	spp.	-	3	3	-	-
2221	4063	Vuoc	Vulpia	octoflora	-	1	-	-	-
1334	8019	Wafr 1	Waldsteinia	fragarioides	-	-	-	-	-
1334	8019	Wafr 1		parviflora	-	2	2	2	-
1334	5183	Wifr 1	Wisteria	frutescens	-	-	-	-	-
1334	5183	Wifr 1		macrostachya	-	-	2	-	-
1334	5183	Wisi	Wisteria	sinensis	-	3	-	-	-
4104	7410	Woob	Woodsia	obtusa	-	3	3	1	3
1883	2248	Xach	Xanthium	chinense	-	-	-	2	-
1883	2248	Xait	Xanthium	italicum	-	-	-	2	-
1331	7794	Xasi	Xanthorhiza	simplicissima	2	2	-	-	-
2661	5336	Yusm	Yucca	smalliana	-	1	-	-	-
1663	9538	Ziap	Zizia	aptera	-	1	2	2	-
1663	9538	Zitr	Zizia	trifoliata	-	-	-	2	-

ADDENDUM FOR LATE 1965

4104	6532	Bodi	Botrichium	dissectum	-	1	-	-	-
2222	2614	Casc	Carex	scoparia	-	1	-	-	-
1334	5183	Cahe	Cassia	hebecarpa	-	1	-	-	-
1883	2248	Chpi	Chrysopsis	villosa					
1883	2248	Chpi		camporum	-	1	-	2	-
2551	2238	Coco	Commelina	communis	-	-	3	3	-
2551	2238	Covi	Commelina	virginica	-	1	-	-	-
2881	6550	Cyac	Cypripedium	acaule	-	-	3	-	-
2221	4063	Elvi 1	Elymus	virginicus					
2221	4063	Elvi 1		hirsutiglumis	-	1	-	-	-
2221	4063	Ercu	Eragrostis	curvula	-	-	-	3	-
2221	4063	Ersp	Eragrostis	spectabilis	-	-	-	3	-
2881	6550	Haci	Habenaria	ciliaris	-	3	-	-	-
1777	4663	Hyca	Hydrophyllum	canadense	-	-	1	-	-
1883	2248	Lafl 1	Lactuca	floridana					
1883	2248	Lafl 1		villosa	-	3	-	-	-
4332	5521	Lyco	Lycopodium	complanatum	-	3	-	-	-
1777	5032	Mobr	Monarda	bradburiana	-	3	-	-	-
1662	6509	Oegr	Oenothera	grandiflora	-	1	-	-	-
2221	4063	Paan	Panicum	angustifolium	-	1	-	-	-
1778	7249	Plrh	Plantago	rhodosperma	-	1	-	-	-
1441	7402	Poam	Polygala	ambigua	-	1	-	-	-
1883	2248	Poca 21	Polymnia	canadensis					
1883	2248	Poca 21		radiata	-	1	-	-	-
1771	29	Ruhu	Ruellia	humilis					
1771	29	Ruhu		calvescens	-	-	-	3	-
1771	8112	Satr	Salix	tristis	-	-	-	3	-
1777	5032	Saca 1	Satureja	calimintha					
1777	5032	Saca 1		hepeta	-	-	-	3	-
2221	4063	Sefa	Sefaria	faberi	-	1	-	-	-
2221	4063	Spel	Sporobolus	vaginiflorus	-	-	-	3	-
2881	6550	Spgr	Spiranthes	gracilis	2	1	-	-	-
2881	6550	Sppr1	Spiranthes	praecox	-	3	-	-	-
1777	8351	Vebl 1	Verbascum	blattaria					
1777	8351	Vebl 1		fo. albiflora	-	3	-	-	-
1777	9654	Veha	Verbena	hastata	-	1	-	-	-
1551	9704	Vipa 2	Vitis	palmata	-	1	-	-	-

Part 2. ORDER OR FAMILY

4	PTEridophyta
41	FILicinae
4101	OPHioglossales
4101 6532	OPHioglossaceae
4103	OSMundales
4103 6625	OSMundaceae
4104	FILicales
4104 8243	SCHizaeaceae
4104 4686	HYMenophyllaceae
4104 7410	POLypodiaceae
4105	MARsileales
4105 5703	MARsileaceae
4106	SALviniales
4106 8127	SALviniaceae
42	ARTiculatae
4225 3401	EQUisetaceae
43	LYCopodiinae
4332	LYCopodiales
4332 5521	LYCopodiaceae
4333	SELaginellales
4333 8392	SELaginellaceae
3	GYMnospermae
3111	PINales
3111 9056	TAXodiaceae
3111 7182	PINaceae
3112	TAXales
3112 9054	TAXaceae
3231	GINkgoales
3331	GNEtales
3441	CYCadales
3551z	CORdaitales
3661z	PTEridospermales
2	MONocotyledoneae
2111	PANdanales
2111 9516	TYPhaceae
2111 8612	SPArganiaceae
2112	NAJadales
2112 7471	POTamogetonaceae
2112 6197	NAJadaceae
2112 303	ALIsmataceae
2112 1429	BUTomaceae
2112 4658	HYDrocharitaceae
2113	TRIuridales
2221	GRAminales
2221 4063	GRAmineae
2222	CYPerales
2222 2614	CYPeraceae
2331	PALmales

ORDER OR FAMILY

2332	CYClanthales
2441	ARAles
2441 674	ARAceae
2441 5200	LEMnaceae
2551	FARinosae
2551 9903	XYRidaceae
2551 3440	ERIocaulaceae
2551 1341	BROmeliaceae
2551 2238	COMmelinaceae
2551 7439	PONtederiaceae
2661	LILiales
2661 4886	JUNcaceae
2661 5336	LILiaceae
2661 4216	HAEmodoraceae
2661 2957	DIOscoreaceae
2661 361	AMAryllidaceae
2661 4787	IRIdaceae
2771	ZINgiberales
2771 5672	MARantaceae
2881	ORChidales
2881 1415	BURmanniaceae
2881 6550	ORChidaceae
1	DICotyledoneae
1101	CASuarinales
1102	PIPerales
1102 8193	SAURuraceae
1103	HYDrostachyales
1104	SALicales
1104 8112	SALicaceae
1105	GARryales
1106	MYRicales
1106 6163	MYRicaceae
1107	BALanopsidales
1108	LEItneriales
1108 5192	LEItneriaceae
1111	JUGlandales
1111 4879	JUGlandaceae
1112	JULianales
1113	BATidales
1114	FAGales
1114 1120	BETulaceae
1114 3619	FAGaceae
1221	URTicales
1221 9532	ULMaceae
1221 6089	MORaceae
1221 9578	URTicaceae
1222	PODostemales
1223	PROteales
1224	SANtalales
1224 8142	SANtalaceae

ORDER OR FAMILY

1224 5458	LORanthaceae
1225	ARIstolochiales
1225 739	ARIstolochiaceae
1226	BALanophorales
1227	POLygonales
1227 7404	POLygonaceae
1228	CARyophyllales
1228 1932	CHEnopodiaceae
1228 359	AMAranthaceae
1228 6422	NYCtaginaceae
1228 7142	PHYtolaccaceae
1228 269	AIZoaceae
1228 7463	PORtulacaceae
1228 1683	CARyophyllaceae
1331	RANales
1331 1814	CERatophyllaceae
1331 6427	NYMphaeaceae
1331 7794	RANunculaceae
1331 1090	BERberidaceae
1331 5830	MENispermaceae
1331 5598	MAGnoliaceae
1331 1525	CALycanthaceae
1331 539	ANNonaceae
1331 5144	LAURaceae
1332	RHOeadales
1332 6760	PAPaveraceae
1332 1617	CAPparaceae
1332 2464	CRUciferae
1332 7860	RESedaceae
1333	SARraceniales
1333 8177	SARraceniaceae
1333 3139	DROseraceae
1334	ROSales
1334 2411	CRAssulaceae
1334 8202	SAXifragaceae
1334 4244	HAMamelidaceae
1334 7253	PLATanaceae
1334 8019	ROSaceae
1334 5183	LEGuminosae
1335	PANdales
1441	GERaniales
1441 5353	LINaceae
1441 6664	OXAlidaceae
1441 3895	GERaniaceae
1441 9995	ZYGophyllaceae
1441 8068	RUTaceae
1441 8495	SIMaroubaceae
1441 5798	MELiaceae
1441 7402	POLygalaceae
1441 3540	EUPhorbiaceae
1441 1499	CALlitrichaceae
1442	SAPindales

	ORDER OR FAMILY
1442 1431	BUXaceae
1442 3327	EMPetraceae
1442 5342	LIMnanthaceae
1442 428	ANAcardiaceae
1442 2626	CYRillaceae
1442 671	AQUifoliaceae
1442 1753	CELastraceae
1442 8708	STAphyleaceae
1442 47	ACEraceae
1442 4498	HIPpocastanaceae
1442 8147	SAPindaceae
1442 967	BALsaminaceae
1551	RHAmnales
1551 7882	RHAmnaceae
1551 9704	VITaceae
1552	MALvales
1552 9243	TILiaceae
1552 5643	MALvaceae
1553	PARietales
1553 9160	THEaceae
1553 4145	GUTtiferae
1553 4700	HYPericaceae
1553 3273	ELAtinaceae
1553 9016	TAMaricaceae
1553 2069	CIStaceae
1553 9693	VIOlaceae
1553 6828	PASsifloraceae
1553 5400	LOAsaceae
1661	OPUntiales
1661 1449	CACtaceae
1662	MYRtales

	ORDER OR FAMILY
1662 9221	THYmelaeaceae
1662 3266	ELAeagnaceae
1662 5540	LYThraceae
1662 6430	NYSsaceae
1662 5796	MELastomataceae
1662 6509	ONAgraceae
1662 4241	HALoragaceae
1662 4503	HIPpuridaceae
1663	UMBellales
1663 681	ARAliaceae
1663 9538	UMBelliferae
1663 2321	CORnaceae
1771	DIApensiales
1771 2836	DIApensiaceae
1772	ERIcales
1772 2109	CLEthraceae
1772 7725	PYRolaceae
1772 3429	ERIcaceae
1773	PRImulales
1773 7508	PRImulaceae
1774	PLUmbaginales
1774 7327	PLUmbaginaceae
1775	EBEnales
1775 8149	SAPotaceae
1775 3205	EBEnaceae
1775 8954	SYMplocaceae
1775 8902	STYracaceae
1776	GENtianales
1776 6480	OLEaceae
1776 5417	LOGaniaceae
1776 3880	GENtianaceae

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1776 650	APOcynaceae
1776 782	ASClepiadaceae
1777	TUBiflorae
1777 2277	CONvolvulaceae
1777 7380	POLemoniaceae
1777 4663	HYDrophyllaceae
1777 1239	BORaginaceae
1777 9654	VERbenaceae
1777 5032	LABiatae
1777 8563	SOLanaceae
1777 8351	SCRophulariaceae
1777 1136	BIGnoniaceae
1777 5710	MARtyniaceae
1777 6592	ORObanchaceae
1777 5204	LENtibulariaceae
1777 29	ACAnthaceae
1777 7087	PHRymaceae
1778	PLAntaginales
1778 7249	PLAntaginaceae
1881	RUBiales
1881 8045	RUBiaceae
1881 1619	CAPrifoliaceae
1881 169	ADOxaceae
1881 9599	VALerianaceae
1881 3001	DIPsacaceae
1882	CUCurbitales
1882 2495	CUCurbitaceae
1883	CAMpanulatae
1883 1562	CAMpanulaceae
1883 2248	COMpositae

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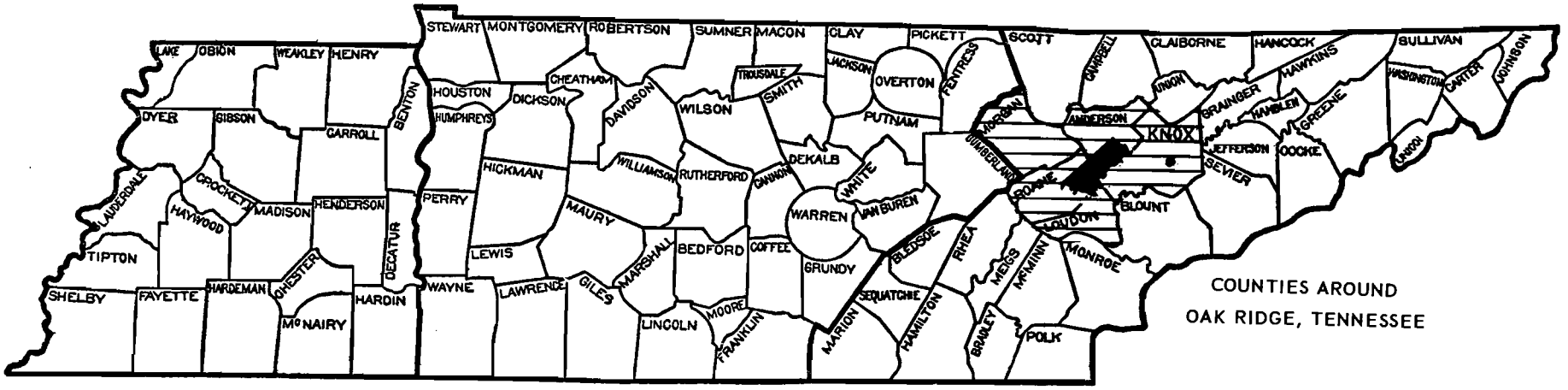
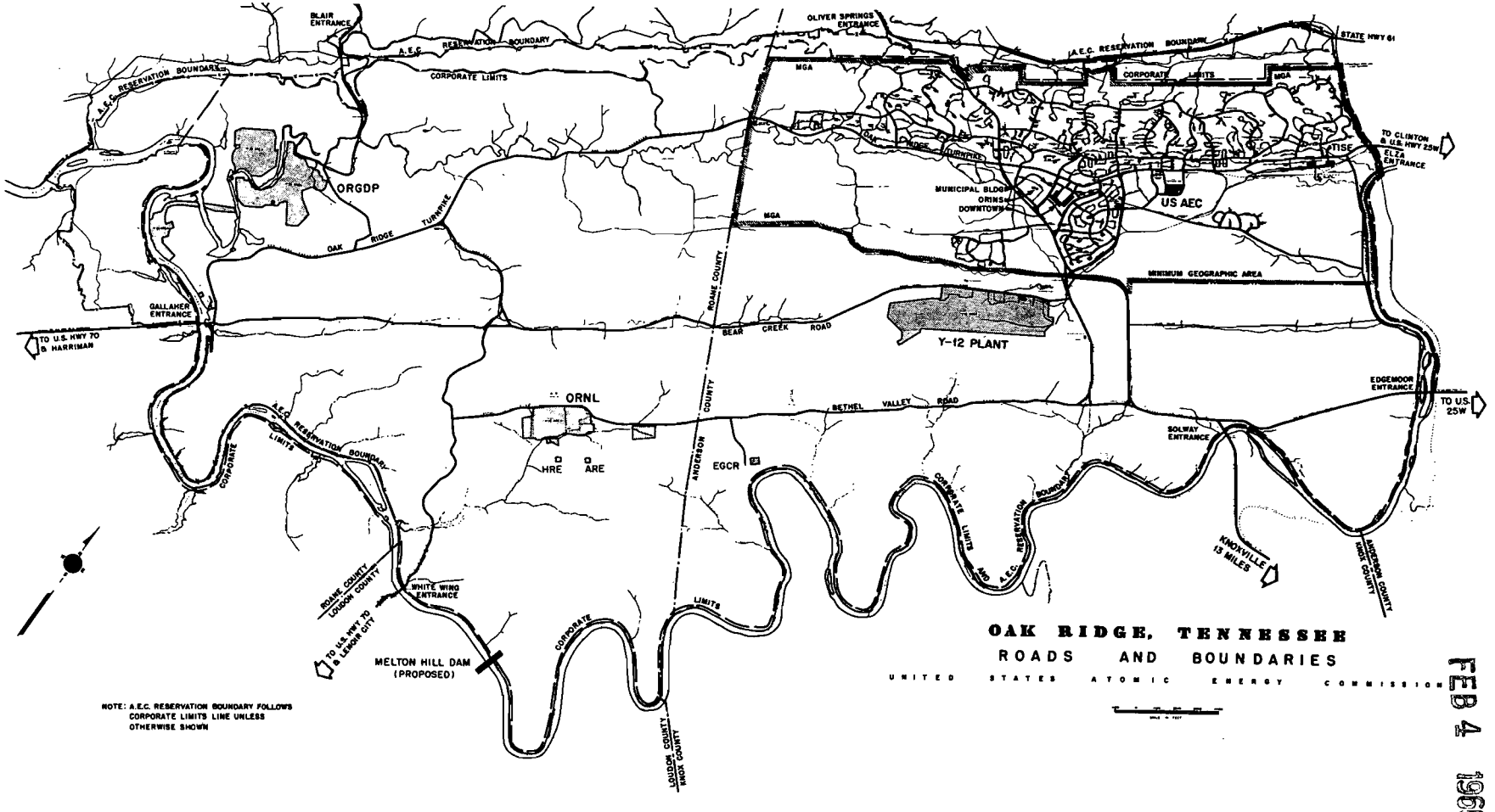
702	F. Perring, Monks Wood Experimental Station, The Nature Conservancy, Huntingdon, England
703	S. M. Walters, Botany School, Downing St., Cambridge, England
704	C. E. Poulton, Range Management Dept., Oregon State University, Corvallis, Oregon
705	G. E. Strickler, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon
706	M. J. Reed, Pacific Southwest Forest and Range Experiment Station, Berkeley, California
707	W. R. Powell, Dept. of Agronomy, University of California, Davis, California
708	B. S. Bal, Dept. of Conservation, Sacramento, California
709	Ingvi Thorstinsson, Univ. Research Inst., Reykjavik, Iceland
710	Naftali Tadmore, Dept. Agronomy, Agric. Res. Sta., Beit Dagan, Israel
711	G. Orshan, Dept. Botany, Hewbrew University, Jerusalen, Israel
712	G. E. Blackman, Oxford University, Oxford, England
713	M. E. D. Poore, Dept. Forestry, Oxford University, Oxford, England
714-716	B. M. Maguire, New York Botanical Garden, Bronx Park, Bronx, New York
717	A. J. Cronquist, New York Botanical Garden, Bronx Park, Bronx, New York
718	D. M. Gates, Missouri Botanical Garden, 2315 Tower Grove Ave., St. Louis 10, Missouri
719-725	Floyd Swink, Morton Arboretum, Lisle, Illinois
726	R. M. Peterson, Department of Botany, University of Tennessee, Knoxville
727-776	J. K. Underwood, Department of Botany, University of Tennessee, Knoxville
777-826	The Herbarium, University of Tennessee, Knoxville

827-837	Oak Ridge Public Schools, Oak Ridge, Tennessee
838-847	Anderson County Schools, Clinton, Tennessee
848-857	Knoxville City Schools, Knoxville, Tennessee
858-867	Knox County Schools, Knoxville, Tennessee
868-877	Roane County Schools, Kingston, Tennessee
878-882	Lenoir City Schools, Lenoir City, Tennessee
883-887	Morgan County Schools, Wartburg, Tennessee
888-892	Harriman Public Schools, Harriman, Tennessee
893-897	Rockwood Public Schools, Rockwood, Tennessee
898	Frank Barclay, Dept. Botany, East Tenn. State Univ., Johnson City, Tennessee
899	Randolph Shields, Dept. Botany, Maryville College, Maryville, Tennessee
900-905	F. Bourliere, International Biological Program convenor, 15 Ave. Tourville, Paris 7, France
906-912	E. M. Nicholson, The Nature Conservancy, 19 Belgrave Square, London S.W. 1, England
913-952	S. A. Cain, Dept. of Interior, Washington 25, D. C.
953-960	U. S. Dept. of Agriculture, Washington, D. C.
961-980	John Cantlon, Environmental Sciences, National Science Foundation, Washington 25, D. C.
981-985	Sydney Gould, International Plant Index, Box 1106, New Haven, Connecticut
986-990	Smithsonian Institute, Washington 25, D. C.



COUNTIES AROUND
OAK RIDGE, TENNESSEE



NOTE: A.E.C. RESERVATION BOUNDARY FOLLOWS CORPORATE LIMITS LINE UNLESS OTHERWISE SHOWN

OAK RIDGE, TENNESSEE

ROADS AND BOUNDARIES

UNITED STATES ATOMIC ENERGY COMMISSION

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