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TEXAS AGRICULTURAL EXPERIMENT STATION

**A. B. CONNER, DIRECTOR
COLLEGE STATION, BRAZOS COUNTY, TEXAS**

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DIVISION OF BOTANY
AND
DIVISION OF APICULTURE

CATALOGUE OF THE FLORA OF TEXAS



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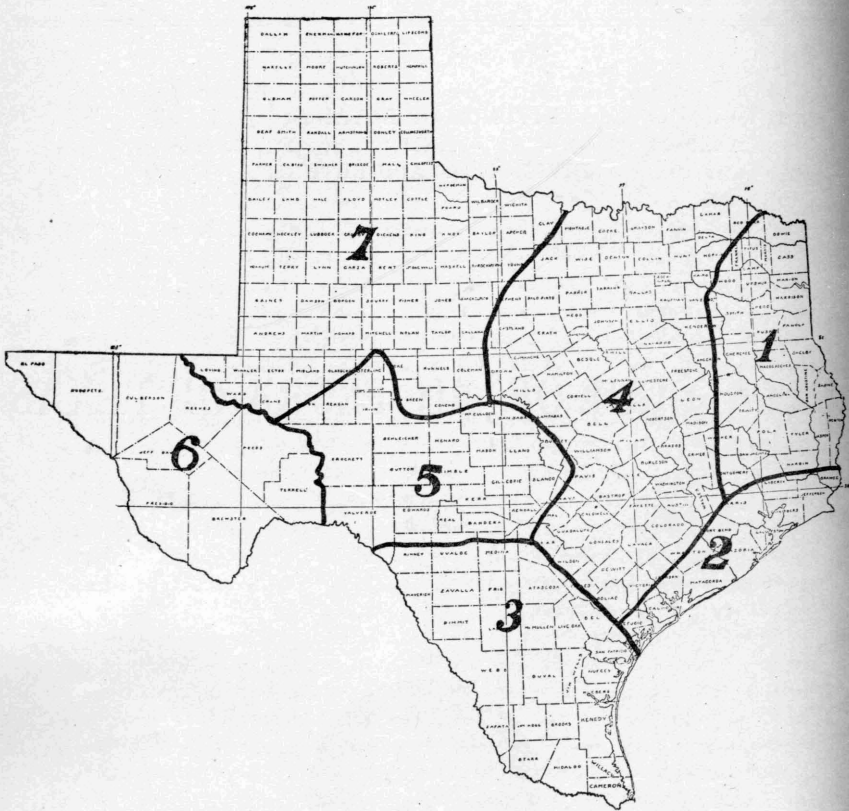


FIG. 1: PLANT AREAS

- | | |
|----------------------|-----------------------|
| 1. Timber Belt | 4. Blackland Prairies |
| 2. Coastal Prairies | 5. Edwards Plateau |
| 3. Rio Grande Plains | 6. Trans-Pecos Area |
| 7. Plains Country | |

As the field of agricultural investigation is concerned with the relationship of plant life to the other factors which taken together permit animal life to exist, research workers are concerned not only with plant life as a whole but also with individual species which are the chief actors in the great agricultural drama. That workers may carry out their investigations with definiteness and that they may convey their findings to others, a standard set of plant names is an absolute necessity. The erratic distribution of the five thousand species of plants found in the State of Texas makes a knowledge of geographical location of species of prime importance. As a medium for exchange of information a list of standardized common names is essential.

The State of Texas, because of its great geographical extent in latitude, longitude, and altitude, is the home of a vast number of species of plants. The majority of these are of use in some way to man and for them standardized names are highly desirable.

The flora of Texas is so varied that it attracted the attention of botanists nearly three centuries ago and, from that time until the present, names have been applied to the various species. Manuals and lists have been printed. However, all of these are far from complete. Confusion exists because the names given to the plants of the State of Texas were bestowed by members of various nationalities during a period of more than two centuries. Many attempts have been made to consolidate these lists so that there might be but one standard name for each species. So far this has been an impossibility due to the inaccessibility of the lists of Texas plants, to a lack of knowledge of plant distribution, and to the fact there is no organization to act as a court of appeal. To meet the demand for a knowledge of the occurrence of the plants in Texas and to establish a standard set of names, technical and common, this catalogue of the flora of Texas is presented.

CONTENTS

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Map	2
Introduction	5
Requirements for inclusion in list	5
Distribution	5
Technical names	6
Common names	6
Sources and authority	6
Additions	6
Shipping material	7
Acknowledgments	7
List of families	8
Flora	10
Index	115

CATALOGUE OF THE FLORA OF THE STATE OF TEXAS

V. L. Cory, Range Botanist, and H. B. Parks, Chief
Division of Apiculture

The State of Texas, with a variation in altitude of almost ten thousand feet, and a variation in life zones from Boreal to Tropical, embracing swamp, forest, prairie, desert, and mountain areas, is the home of a very large number of plants. While the distribution of plants has been intensively studied in some small localities, no State-wide work has been done. The results of these limited investigations have never been gathered into one publication. This procedure has resulted in the use of several systems of botanical nomenclature and accordingly misunderstandings easily originate. Little or no work has been done on the general distribution of plants. In many lists a plant is said to "exist in Texas," which statement gives little aid to one who wishes to find that plant. The growing interest in plant life which has been brought about in very recent years by the sudden coming into prominence of plants which are poisonous to livestock; of plants which are of value for use in roadside beautification; of plants which because of their hardiness and beauty can be utilized in landscaping farmsteads where little attention can be given; and of plants which because of their ruggedness of character or the mat forming quality of their roots make them a prime factor in erosion control, has created a great demand for a list of the native plants of Texas giving both scientific and standard common names together with their occurrence. To provide such a list a project was outlined and the following has been compiled as a tentative answer to the demand.

Requirements for Inclusion in List

It was decided that the list should include all plants from Ferns to Composites inclusive. The plants given must be known to occur within the limits of the state, the proof of which must be in the form of the abundant occurrence of the plant; an authenticated reference to the collection of the plant within the state, or to herbarium specimens from reliable collectors. In addition any plant that has been introduced and has definitely proved that it not only can maintain itself but increase in its population, is included.

Distribution

In order that the distribution of these plants may be given with convenience in such a catalogue the State has been divided into seven areas which are well defined and in a general way well known to the public. The first area is called the Timber Belt. It includes a large amount of the pine and hardwood timber land at the eastern end of the State. Number 2 is the Coastal Prairies representing the land adjacent to the Gulf Coast. Number 3 is the Rio Grande Plains including all of the brush country at the southern end of Texas. Number 4 is the Black Land Prairies including the black land and adjacent agricultural areas of central Texas. Number 5 is the Edwards Plateau. Number 6 is that part of the State lying west of the Pecos River and Number 7 the Plains Country of northwest Texas. While there are a number of plants which are found in all of these areas, each area has a flora sufficiently large to be characteristic. In the catalogue these areas are given by number.

Technical Names

It is well known that two schools of botanists exist, one known as the American and the other as the International School. Moreover, the conception of botanical groups, such as families, genera, and species, varies among botanical leaders, the one extreme inclined to a muchly restricted idea of the limits of inclusion in the particular groups. This difference may be illustrated by the segregation of various genera from a genus containing well-defined groups more closely related to each other than to other groups or species of the genus, and also by a procedure of basing specific recognition upon minor differences. The more conservative treatment of plant relationships is the one used in this catalogue. The International Rules of Botanical Nomenclature are followed, which is in accordance with the trend of American botanists. Botanical names appearing in well-known manuals or other plant lists, when replaced by names now properly used in accordance with the present treatment, are to a large extent given herewith as synonyms. The scope of the work, however, does not permit inclusion of all the well-known synonyms.

Common Names

To give common names to plants in the State of Texas necessitates a double set as there is for most economic plants both an English and a Spanish name. In order to create a list which will be standard wherever possible the names given in "Standardized Plant Names" have been used. Where no such names exist the common names given in "Britton and Brown" are utilized. For many of the plants occurring in the United States only or mainly in Texas, the names which are most widely used in the State are given. This is definitely true of Spanish names. In the case of Spanish terms generally the name is as definite for a plant as is the standard Latin name; however, in several instances the name is generic and in this case and to conform with the idea of a single standard name for a species the best known member of the genus has received the generic name. Of the English names where several are applied to a single plant the most appropriate is the one selected.

Sources and Authority

The compilers of this list have consulted all available literature and much of the available literature collected in Texas. The list has been submitted to specialists in various lines and these scientists have very kindly called attention to certain names which were then included within the list which did not belong there and have added to this list numerous ones which did not appear in consulted lists or had not been collected by the compilers. It is known that there are numbers of plants growing in the State which are not in this list due to a question as to whether or not they have become native to the State, whether the plant in question is the one represented by the name given from the fact that some plants are as yet confused in synonymy, and that there is known to exist a number of species which are known but for which no names have as yet been published.

Additions

It is one of the purposes in the publication of this list to induce everyone interested in plants to add to this catalogue to the end that a complete list of plants of the State may become available. To this end all who have plants that they know are not recorded here or that they suspect are new to the State are asked to send herbar-

ium material of the plants in question to the Division of Botany, Texas Agricultural Experiment Station where such material will be identified and the record credited to the sender. As such contributions to this list accumulate, additions to this flora will be published.

Shipping Material

In order that this herbarium should reach the Experiment Station in a form that it can be preserved for permanent record the collector is asked to use the following directions. If the plant is less than twelve inches in height, it should be dug with sufficient root to show the character of the plant. If the plant is large, portions showing characteristic leaves, flowers, and fruit, and less than sixteen inches long should be collected. To pack for shipping take a single sheet of standard sized newspaper. On a blank edge write the name of the collector, the date of collection and locality. This is best given with reference to distance from towns on the numbered highways of the State. The plant should be laid out on the lower portion of this page. The leaves should be laid as nearly flat as possible. Then the upper part of the sheet should be bent over until a folder half the size of the page is formed. At least two specimens of each species should be sent. In sending plants as many of these folders containing the plants as are to be sent should be placed together between a sheet of corrugated pasteboard the same size as the folded newspaper. If possible, dry plants under pressure before mailing. This flat package should be tied as tightly as possible. Then wrap the package in ordinary paper and mail to the Experiment Station. In sending plants never use damp paper and always remove any moist dirt which may be adhering to the roots. If bulbs or seed are to be sent for identification they should be placed in corrugated pasteboard cartons.

The S. M. Tracy Herbarium

The systematic collection of dried plant specimens of the Texas Agricultural Experiment Station has been given the name of the S. M. Tracy Herbarium in honor of that botanist whose collection of Gulf Coast species forms the basis of the collection belonging to the Experiment Station. The Tracy material together with the Texas material gathered by the late Helge Ness and the material collected in the compilation of this catalogue constitute a fine and most representative collection of Texas plants. This herbarium is in process of being prepared for use so that it may be opened to research workers and students.

Acknowledgments

The compilers have consulted the available publications containing information relative to the plants of Texas. They have consulted various botanical institutions in the United States. They have received aid from many of the plant specialists both in the United States and elsewhere. They are indebted to hundreds of citizens of the State of Texas for various kinds of information, for plant specimens and for encouragement in the carrying out of this work. A list of those who have made possible this Flora is of such dimensions that it is impossible to include it in this paper. The compilers therefore thank all those who assisted them in the compilation of the Flora of Texas.

A LIST OF THE PLANT FAMILIES OF TEXAS

Family Number	Number of Genera	Number of Species	Page	Family Number	Number of Genera	Number of Species	Page
1. Polypodiaceae.....	18	67	10	57. Nyctaginaceae.....	9	53	43
2. Schizaeaceae.....	2	2	11	58. Illerebraceae.....	1	10	44
3. Osmundaceae.....	1	2	11	59. Aizoaceae.....	3	8	44
4. Ophioglossaceae.....	2	6	11	60. Carophyllaceae.....	12	37	44
5. Marsileaceae.....	1	4	11	61. Portulacaceae.....	4	18	45
6. Salviniaceae.....	1	1	11	62. Basellaceae.....	2	3	45
7. Equisetaceae.....	1	5	12	63. Ceratophyllaceae...	1	2	45
8. Lycopodiaceae.....	1	3	12	64. Nymphaeaceae.....	5	10	46
9. Selaginellaceae.....	1	15	12	65. Ranunculaceae.....	9	51	46
10. Isoetaceae.....	1	2	12	66. Magnoliaceae.....	1	5	47
11. Pinaceae.....	5	22	12	67. Anonaceae.....	1	2	47
12. Ephedraceae.....	1	4	13	68. Menispermaceae...	2	3	47
13. Typhaceae.....	1	3	13	69. Berberidaceae.....	2	5	47
14. Najadaceae.....	4	18	13	70. Lauraceae.....	4	7	47
15. Alismaceae.....	4	14	13	71. Papaveraceae.....	2	8	48
16. Butomaceae.....	1	1	14	72. Fumariaceae.....	2	8	48
17. Hydrocharitaceae...	3	3	14	73. Cruciferae.....	29	115	48
18. Gramineae.....	102	573	14	74. Capparidaceae.....	5	10	50
19. Cyperaceae.....	16	260	25	75. Resedaceae.....	1	1	51
20. Palmaceae.....	2	3	29	76. Sarracenaceae.....	1	1	51
21. Araceae.....	4	5	29	77. Droseraceae.....	1	4	51
22. Lemnaceae.....	4	9	29	78. Podostemaceae.....	1	1	51
23. Eriocaulaceae.....	2	6	29	79. Crassulaceae.....	5	12	51
24. Xyridaceae.....	1	8	30	80. Saxifragaceae.....	10	22	51
25. Mayacaceae.....	1	1	30	81. Hamamelidaceae...	2	4	52
26. Commelinaceae.....	4	23	30	82. Platanaceae.....	1	3	52
27. Bromeliaceae.....	2	4	30	83. Rosaceae.....	18	120	52
28. Pontederiaceae.....	3	8	30	84. Leguminosae.....	61	387	54
29. Juncaceae.....	2	33	31	85. Linaceae.....	1	20	61
30. Liliaceae.....	25	70	31	86. Oxalidaceae.....	1	15	62
31. Dioscoreaceae.....	1	1	33	87. Geraniaceae.....	2	6	62
32. Amaryllidaceae...	8	31	33	88. Zygophyllaceae.....	5	10	62
33. Iridaceae.....	6	34	33	89. Koerberlinaceae....	1	1	62
34. Cannaceae.....	1	1	34	90. Malpighiaceae.....	4	6	62
35. Marantaceae.....	1	1	34	91. Rutaceae.....	10	21	63
36. Burmanniaceae.....	2	3	34	92. Simarubaceae.....	2	2	63
37. Orchidaceae.....	13	34	34	93. Meliaceae.....	1	2	63
38. Saururaceae.....	2	2	35	94. Polygalaceae.....	1	19	63
39. Salicaceae.....	2	23	35	95. Euphorbiaceae.....	17	144	64
40. Garryaceae.....	1	3	36	96. Callitrichaceae....	1	6	66
41. Myricaceae.....	1	1	36	97. Anacardiaceae.....	3	16	66
42. Leitneriaceae.....	1	1	36	98. Cyrillaceae.....	1	1	67
43. Juglandaceae.....	2	16	36	99. Aquiliceae.....	1	7	67
44. Betulaceae.....	4	6	36	100. Celastraceae.....	6	9	67
45. Fagaceae.....	3	62	36	101. Aceraceae.....	1	11	67
46. Ulmaceae.....	3	16	38	102. Hippocastanaceae..	1	7	68
47. Moraceae.....	3	6	38	103. Balsaminaceae....	1	1	68
48. Urticaceae.....	4	14	38	104. Sapindaceae.....	5	8	68
49. Santalaceae.....	1	1	38	105. Rhamnaceae.....	9	23	68
50. Loranthaceae.....	2	13	38	106. Vitaceae.....	3	28	69
51. Aristolochiaceae....	1	7	39	107. Tiliaceae.....	2	12	69
52. Polygonaceae.....	6	74	39	108. Malvaceae.....	19	92	69
53. Chenopodiaceae....	11	55	40	109. Sterculiaceae.....	5	8	71
54. Amaranthaceae.....	13	51	41	110. Hypericaceae.....	2	20	71
55. Phytolaccaceae.....	5	6	42	111. Elatinaceae.....	2	2	72
56. Batidaceae.....	1	1	43	112. Tamaricaceae.....	1	3	72

Family Number	Number of Genera	Number of Species	Page	Family Number	Number of Genera	Number of Species	Page
113. Fouquieriaceae.....	1	1	72	141. Polemoniaceae.....	3	34	85
114. Bixaceae.....	1	1	72	142. Hydrophyllaceae...	5	36	86
115. Frankeniaceae.....	1	1	72	143. Boraginaceae.....	14	55	87
116. Turneraceae.....	1	1	72	144. Verbenaceae.....	11	54	88
117. Cistaceae.....	2	10	72	145. Labiatae.....	30	120	89
118. Violaceae.....	2	18	73	146. Solanaceae.....	14	79	91
119. Passifloraceae.....	1	8	73	147. Scrophulariaceae...	21	112	93
120. Loasaceae.....	3	14	73	148. Lentibulariaceae...	2	10	95
121. Cactaceae.....	6	100	73	149. Orobanchaceae.....	3	8	95
122. Lythraceae.....	6	13	75	150. Bignoniaceae.....	6	7	95
123. Melastomaceae.....	1	4	76	151. Martyniaceae.....	1	4	96
124. Onagraceae.....	7	82	76	152. Acanthaceae.....	15	45	96
125. Haloragidaceae.....	2	6	77	153. Phrymaceae.....	1	1	97
126. Araliaceae.....	1	2	77	154. Plantaginaceae.....	1	19	97
127. Umbelliferae.....	37	69	77	155. Rubiaceae.....	14	51	97
128. Cornaceae.....	2	9	79	156. Caprifoliaceae.....	4	19	98
129. Ericaceae.....	7	16	79	157. Valerianaceae.....	2	5	99
130. Plumbaginaceae.....	2	4	80	158. Dipsacaceae.....	1	1	99
131. Primulaceae.....	7	14	80	159. Cucurbitaceae.....	11	21	99
132. Sapotaceae.....	1	9	80	160. Campanulaceae.....	2	7	99
133. Ebenaceae.....	1	2	80	161. Lobeliaceae.....	3	16	100
134. Styracaceae.....	3	6	81	162. Compositae.....	145	735	100
135. Oleaceae.....	5	27	81				
136. Loganiaceae.....	6	13	81				
137. Gentianaceae.....	7	17	82				
138. Apocynaceae.....	6	26	82				
139. Asclepiadaceae.....	9	56	83				
140. Convolvulaceae.....	9	83	84				

SUMMARY

Families.....	162
Genera.....	1063
Species and Varieties.....	5099

PTERIDOPHYTA

1. POLYPODIACEAE (Fern Family)

ADIANTUM	
Capillus-Veneris L. Venus-Hair Fern	1-2-3-4-5-6-7
modestum Underw.....	6
tricholepis Fee.....	4-5
ASPLENIDIUM	
platyneuron (L.) Oakes Ebony Spleenwort	1-2 4
resiliens Kunze (<i>A. parvulum</i> Mart. & Gal.) Small Spleenwort	2 4-5-6
Trichomanes L. Maiden Hair Spleenwort	6
ATHYRIUM	
asplenioides (Michx.) Desv. Malefern	1 4
thelypteroides (Michx.) Desv. (<i>A. splenium acrostichoides</i> Sw.)..	1
CHEILANTHES	
aemula Maxon.....	5
alabamensis (Buckl.) Kunze Alabama Lipfern	1-2 4-5-6-7
castanea Maxon.....	6
Eatoni Baker.....	4-5-6
Feei Moore Slender Lipfern	4-5-6-7
Fendleri Hook.....	6
horridula Maxon (<i>Pellaea aspera</i> Baker: <i>Pellaea scabra</i> C. Chr.)..	3 5-6-7
lanosa (Michx.) Watt. Hairy Lipfern	4 7
leucopoda Link.....	5-6
Lindheimeri Hook.....	3 5
microphylla Sw.....	3 5-6
tomentosa Link Woolly Lipfern	1 3 5-6
Wootoni Maxon.....	6
Wrightii Hook.....	5-6
CYSTOPTERIS	
fragilis (L.) Bernh.....	5-6
DRYOPTERIS (Thelypteris also correctly used for this genus)	
Filix-mas (L.) Schott Malefern	6
floridana (Hook.) Kunze.....	1
intermedia (Muhl.) A. Gray American Shieldfern	1
noveboracensis (L.) A. Gray New York Fern	1
parasitica (L.) Kunze.....	4
normalis C. Chr. (<i>D. patens</i> Kunze).....	1-2-3-4-5
Thelypteris (L.) A. Gray Marsh Shieldfern	1-2
GYMNOPTERIS	
hispidia (Mett.) Underw. (<i>Bommeria hispidia</i> Underw.).....	6
NOTHOLAENA	
Aschenborneiana Kl.....	6
bonariensis (Willd.) C. Chr. (<i>N. ferruginea</i> Hook.).....	6
candida (Mart. & Gal.) Hook.....	6
dealbata (Pursh) Kunze Powdery Notholaena	4-5-6
Grayi Davenp.....	3 6
Greggii (Mett.) Maxon.....	6
Standleyi Maxon (<i>N. Hookeri</i> D. C. Eaton).....	6
Schaffneri (Fourn.) Underw.....	6
sinuata (Sw.) Kaulf.....	4-5-6-7
var. integerrima Hook.....	5-6
ONOCLEA	
sensibilis L. Sensitive Fern	1-2 4
PELLAEA	
atropurpurea (L.) Link Purple Cliffbrake	1 4-5-6-7
cordata (Cav.) J. G. Smith.....	6
flexuosa (Kaulf.) Link.....	3-4-5
intermedia Mett.....	6
var. pubescens Mett.....	6
microphylla Mett. ex Kuhn (<i>P. pulchella</i> Fee of authors).....	5-6
ternifolia (Cav.) Link.....	5-6
Wrightiana Hook. (<i>P. mucronata</i> D. C. Eaton).....	5-6

PHANEROPHLEBIA		
auriculata Underw. (<i>aspidium juglandifolium</i> of authors, not H.B.K.)		6
PHEGopteris		
hexagonoptera (Michx.) Fee (<i>Thelypteris hexagonoptera</i> Weatherby)	1	
POLYPODIUM		
erythrolepis Weatherby		6
furfuraceum (Cham.) Schlecht		6
polypodioides (L.) Watt. Gray Polypody	1-2	4-5
thyssanolepis A. Br.		6
virginianum L. (<i>P. vulgare</i> of authors) Common Polypody	4	
POLYSTICHUM		
acrostichoides (Michx.) Schott Christmas Fern	1-2	4
PTERIDIUM (Bracken)		
aquilinum (L.) Kuhn., var. lanuginosum (Bong.) Fernald (<i>var. pubescens</i> Underw.)	4	6
caudatum (L.) Maxon	2	
latiusculum (Desv.) Hieron., var. pseudocaudatum (Clute) Maxon	1-2	4
TECTARIA		
hieracleifolia (Willd.) Underw. (<i>Aspidium trifoliatum</i> Sw.)		4-5
WOODSIA		
mexicana Fee		5-6
obtusata (Spreng.) Torr.	1-2	4-5-6
Plummerae Lemmon		6
WOODWARDIA (<i>ANCHISTEA</i> , <i>LORINSERIA</i>)		
areolata (L.) Moore	1-2	4
virginica (L.) Small	1-2	4

2. SCHIZEACEAE (Curly Grass)

ANEMIA (<i>ORNITHOPTERIS</i>)		
mexicana Kl.		5
LYGODIUM		
palmatum (Bernh.) Sw.	1	

3. OSMUNDACEAE (Flowering Fern)

OSMUNDA		
cinnamomea L. Cinnamon Fern	1-2	4
regalis L., var. spectabilis (Willd.) A. Gray Royal Fern	1-2	4

4. OPHIOGLOSSACEAE (Addertongue)

BOTRYCHIUM		
dissectum Spreng., var. tenuifolium (Underw.) Clute Cutleaf Grape Fern	1-2	
virginianum (L.) Sw. Virginia Grape Fern		4-5
OPHIOGLOSSUM		
crotalophorioides Walt.	2	
Engelmannii Prantl Engelmann's Addertongue	1-2	4
tenerum Mett.	1	
vulgatum L. Addertongue	1-2	

5. MARSILEACEAE (Marsilea)

MARSILEA		
macropoda Engelm	2	4
tenuifolia Engelm.		4-5
uncinata A. Br.	2-3	4-5-6
vestita Hook. & Grev. Hairy Pepperwort	2-3	4-5

6. SALVINIACEAE (Salvinia)

AZOLLA		
caroliniana Willd. Floating Chainfern	2	

7. EQUISETACEAE (Horsetail)

EQUISETUM

hyemale L.			
var. affine (Engelm.) A. A. Eaton Scouring Rush			7
var. intermedium A. A. Eaton.....	2	4	
var. robustum (A. Br.) A. A. Eaton (<i>E. prealtum</i> Raf.).....	2-3		7
kansanum Schaffner.....			7

8. LYCOPODIACEAE (Clubmoss)

LYCOPODIUM

carolinianum L. Carolina Clubmoss			2
inundatum L., var. Bigelovii Tuckerm.....			2
lucidulum Michx.....			1-2

9. SELAGINELLACEAE (Selaginella)

SELAGINELLA

apus (L.) Spring.....	1-2	4-5	
arenicola Underw.....	1	4	
densa Rydb.....			6
lepidophylla (Hook. & Grev.) Spreng.....			5-6
ludoviciana A. Br.....	1-2		
mutica D. C. Eaton.....			6
neomexicana Maxon.....			6
pilifera A. Br.....			6
Pringlei Baker.....			6
Riddellii Van Eseltine Common Selaginella	1-2-3-4-5-6		
rupestris (L.) Spring.....		3 5	
rupicola Underw.....			6
Sheldonii Maxon.....		4	6
Sherwoodii Maxon.....	1-2		6
Wrightii Hieron.....	1-2		6

10. ISOETACEAE (Quillwort)

ISOETES

lithophylla Pfeiffer.....			5
melanopoda J. Gay.....		2	

SPERMOPHYTA

11. PINACEAE (Pine)

CUPRESSUS

arizonica Greene, var. bonita Lemmon Arizona Cypress			6
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JUNIPERUS Juniper

erythrocarpa Cory Red Fruited Juniper			6
flaccida Schlecht. Drooping Juniper			6
gymnocarpa (Lemmon) Cory.....			6-7
lucayana Britton Coast Juniper	2	4	
mexicana Spreng. Mountain Cedar			
var. monosperma (Engelm.) Cory.....			7
pachyphloea Torr. Alligator Juniper			6
Pinchoti Sudw. Pinchot Juniper			4-5-6-7
virginiana L. Virginia Red Cedar	1	4	7

PINUS

australis Michx. f. (<i>P. palustris</i> of authors) Longleaf Pine	1-2		
brachyptera Engelm. Western Yellow Pine			6
cembroides Zucc.,			
var. edulis (Engelm.) Voss Pinyon Pine			5-6
echinata Mill Shortleaf Pine	1-2	4	
flexilis James Limber Pine			6
ponderosa Lawson,			
var. scopulorum Engelm. Western Yellow Pine			6
Taeda L. Loblolly Pine	1-2	4	

PSEUDOTSUGA		
mucronata (Raf.) Sudw. Douglas Fir		6
TAXODIUM		
distichum (L.) L. C. Rich Southern Cypress	1-2-3-4-5	
mucronatum Tenore.....		3

12. EPHEDRACEAE (Jointfir)

EPHEDRA		
antisiphilitica Berl. ex. C. A. Meyer (<i>E. texana</i> Reed).....	3-4-5-6-7	
pedunculata Engelm.....	3-4-5-6	
Torreyana S. Wats.....	6-7	
trifurca Torr.....		6

13. TYPHACEAE (Cattail)

TYPHA Cattail Reeds		
angustifolia L. (<i>T. domingensis</i> Pers.).....	2-3-4	6
latifolia L.....	1-2	4 7
truxillensis H. B. K.....	2-3	

14. NAJADACEAE (Pondweed)

NAJAS		
guadalupensis (Spreng.) Morong.....	2-3-4	7
marina L.....	3	
POTAMOGETON Pondweed		
alpinus Balbis (<i>P. rufescens</i> Schrad.).....	1	
americanus Cham. & Schlecht. (<i>P. lonchites</i> Tuckerm.).....	2	
angustifolius Berch. & Presl (<i>P. Zizii</i> Martius & Koch).....		5
clystocarpus Fernald.....		6
diversifolius Raf. (<i>P. hybridus</i> Michx.).....	1-2	6
heterophyllus Schreb.....	1	4
lucens L.....	2	5
natans L.....	1-2	6
modosus Poir.....	3	
pectinatus L.....		4
perfoliatus L.....	2	
pusillus L.....	2	
Richardsonii (Benn.) Rydb. (<i>P. perfoliatus lanceolatus</i> Robbins).....	2	
rotundatus Hagstr.....		6
RUPPIA		
maritima L.....	2	
ZANNICHELLIA		
palustris L.....		6

15. ALISMACEAE (Waterplantain)

ALISMA		
subcordatum Raf. Waterplantain	2	
ECHINODORUS (<i>HELIANTHIUM</i>) Burhead		
cordifolius (L.) Griseb. (<i>E. rostratus</i> Engelm.).....	3-4-5	7
radicans (Nutt.) Engelm.....	1	4
tenellus (Martius) Buchenau (<i>E. parvulus</i> Engelm.).....	2	
LOPHOTOCARPUS		
calycinus (Engelm.) J. G. Smith.....		6
fluitans (Engelm.) J. G. Smith.....		6
SAGITTARIA Arrowleaf		
cycloptera (J. G. Smith) C. Mohr.....	1	
falcata Pursh (<i>S. lancifolia</i> of authors, not L.).....	1-2	4
graminea Michx.....	1-2	
latifolia Willd. (<i>S. variabilis</i> Engelm.).....	2	4
longiloba Engelm.....	2-3	
papillosa Buchenau.....	1	4
platyphylla (Engelm.) J. G. Smith.....	2	4
pubescens Muhl.....	1	

16. BUTOMACEAE (Butomus)

HYDROCLEIS
 nymphoides (Willd.) Buchenau..... 2

17. HYDROCHARITACEAE (Frogbit)

ANACHARIS (*ELODEA, PHILOTRIA*)
 canadensis (Michx.) Planch..... 1-2
 LIMNOBIUM
 Spongia (Bosc.) L. C. Rich. **Frogbit**..... 1-2
 VALLISNERIA
 spiralis L. **Eelgrass**..... 2

18. GRAMINEAE

AGROPYRON
 arizonicum Scribn. & Smith..... 6-7
 pseudorepens Scribn. & Smith..... 7
 repens (L.) Beauv. **Quack Grass**..... 4
 Smithii Rydb. (*A. occidentalis* Scribn.) **Bluestem Grass**..... 7
 spicatum (Pursh) Scribn. & Smith (*A. divergens* Nees)..... 6
 AGROSTIS
 alba L. **Red Top**..... 1-2 6
 Elliottiana Schult. (*A. arachnoides* Ell.)..... 2 5
 exarata Trin. **Spike Red Top**..... 6-7
 hiemalis (Walt.) BSP. **Ticklegrass**..... 2-3-4 6
 palustris Huds. **Creeping Bent Grass**..... 7
 perennans (Walt.) Tuckerm. **Autumn Bent Grass**..... 1 4
 retrofracta Willd..... 6
 scabra Willd..... 6
 verticillata Vill. **Water Bent Grass**..... 4-5-6
 AIRA (*ASPRIS*)
 capillaris Host **Hairgrass**..... 1
 ALOPECURUS
 carolinianus Walt. **Foxtail**..... 1 3-4-5-6
 ANDROPOGON (*AMPHILOPHIS, SCHIZACHYRIUM*)
 barbinodis Lag..... 3-4-5-6-7
 cirratus Hack. **Texas Beardgrass**..... 5-6
 Elliottii Chapm. **Elliott's Beardgrass**..... 1-2
 exaristatus (Nash) Hitchc..... 2
 glomeratus (Walt.) BSP. **Bushy Beardgrass**..... 1-2-3-4
 Hallii Hack. **Turkeyfoot Grass**..... 6-7
 hirtiflorus (Nees) Kunth,
 var. feensis (Fourn.) Hack..... 6
 littoralis Nash..... 2-3
 perforatus (Trin.) Fourn..... 4-5-6
 provincialis Lam. (*A. furcatus* Muhl.) **Big Bluestem**..... 1-2 4 6-7
 var. chrysocomus (Nash) Fernald & Griscom..... 7
 saccharoides Sw. (Torreyanus Steud.)..... 3-4-5-6-7
 scoparius Michx. (*Schizachyrium villosissimum* Nash)..... 1-2
 var. divergens Hackel **Little Blue Stem**..... 1 4-5 7
 var. neomexicanus (Nash) Hitchc..... 7
 tener (Nees) Kunth..... 1
 ternarius Mich. (*A. argyraeus* Schult.)..... 1 4-5
 virginicus L. **Broom Sedge**..... 2-3-4-5
 var. corymbosus (Hack.) Fernald & Griscom..... 1-2
 var. hirsutior (Hack.) Hitchc..... 5
 var. tenuispatheus (Nash) Fernald & Griscom..... 1-2-3
 var. tetrastachys (Ell.) Hack..... 1
 ANTHAENANTIA
 rufa (Ell.) Schult..... 1-2
 villosa (Michx.) Beauv..... 1-2
 ANTHOXANTHUM
 aristatum Boiss..... 1
 odoratum L. **Sweet Vernal Grass**..... 1

ARISTIDA

adsensionis L. (<i>A. bromoides</i> H.B.K.; <i>A. fasciculata</i> Torr.)	.....	4-5-6-7
affinis (Schult.) Kunth (<i>A. palustris</i> Vasey)	..... 1	
arizonica Vasey Arizona three awn	.....	6
barbata Fourn. (<i>A. Havardii</i> Vasey) Havard three awn	..... 3	6
desmantha Trin. & Rupr.	..... 1-2-3-4	
dichotoma Michx.	.....	4-5-6
divaricata Humb. & Bonpl. Poverty three awn	.....	5-6
Fendleriana Steud. Fendler's three awn	.....	6-7
glauca (Nees) Walp. (<i>A. Reverchoni</i> Vasey)	.....	4-5-6
hamulosa Henr.	.....	6
intermedia Scribn. & Ball.	..... 1	3-4
lanosa Muhl. (<i>A. lanata</i> Poir.)	..... 1-2	4
longespica Poir.	..... 1-2	4
longiseta Steud. Red three awn	.....	4-5-6-7
var. rariflora Hitchc.	.....	4-5-6-7
var. robusta Merr.	.....	4-5-6-7
oligantha Michx. Prairie three awn grass	.....	4-5-6-7
Orcuttiana Vasey. (<i>A. Schiediana</i> T. & R. of authors)	.....	6
pansa Woot. & Standl.	.....	6
purpurascens Poir., var. minor Vasey Arrowfeather	..... 1-2-3-4	
purpurea Nutt. Purple three awn	.....	3-4-5-6-7
var. laxiflora Merr.	.....	4-5-6-7
ramosissima Engelm.	..... 1	
Roemeriana Scheele (<i>A. purpurea micrantha</i> Vasey)	.....	3-4-5-6-7
ternipes Cav., var. minor (Vasey) Hitchc. (<i>A. divergens</i> Vasey) Spider Grass	.....	6
virgata Trin.	..... 1-2	
Wrightii Nash.	.....	4-5-6

ARUNDINARIA

gigantea (Walt.) Chapm. (<i>A. macrosperma</i> Michx.) Southern cane 1-2
tecta (Walt.) Muhl. Switch Cane 1

ARUNDO

Donax L. Giant Reed 2-3-4-5-6
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AXONOPUS (Carpet Grass)

compressus (Sw.) Beauv. Carpet Grass 1-2-3-4
furcatus (Fluegge) Hitchc. 1-2

BLEPHARIDACHNE (*EREMOCHLOE*)

Bigelovii (S. Wats.) Hack.	6
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BLEPHARONEURON

tricholepis (Torr.) Nash Hairy Dropseed	6
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BOUPELOUA

aristoides (H.B.K.) Griseb. Needle grama	6
barbata Lag. (<i>B. microstachya</i> Dewey) Six Weeks grama 3	5-6-7
brevisetata Vasey (<i>B. ramosa</i> Scribn.) Chino Grass	.....	6-7
chondrosioides (H.B.K.) Benth. (<i>B. Havardii</i> Vasey)	.....	6
curtipendula (Michx.) Torr. Side-oats grama	.....	4-5-6-7
eriopoda (Torr.) Torr. Black Grama	.....	6-7
filiformis (Fourn.) Griffith's Slender grama	..... 3	6
gracilis (H.B.K.) Lag.; (<i>B. oligostachya</i> Torr.) Blue Grama	.....	4-5-6-7
var. stricta (Vasey) Hitchc.	.....	6
hirsuta Lag. Hairy grama	..... 1-2-3-4-5-6-7	
var. pectinata (Featherly) Cory Hairy grama	.....	4
rigidiseta (Steud.) Hitchc. (<i>B. texana</i> S. Wats.) Texas grama	..... 3	5 7
simplex Lag. (<i>B. procumbens</i> Griffiths) Mat Grama	.....	6-7
trifida Thurb. (<i>B. Burckii</i> Scribn.; <i>B. Trinii</i> Griffiths)	.....
Red grama	..... 3-4-5-6-7	
uniflora Vasey	.....	4-5-6

BRACHIARIA

ciliatissima (Buckl.): Chase	..... 1	3-4-5
extensa Chase (<i>B. platyphylla</i> Nash)	..... 1-2	4
plantaginea (Link) Hitchc.	..... 1	

BROMUS

anomalous Rupr. (<i>B. Porteri</i> Nash).....			6
var. lanatipes (Shear) Hitchc.....			6-7
catharticus Vahl (<i>B. unioloides</i> H.B.K.) Rescue Grass	1	4-5-6-7	
ciliatus L. Fringed Brome	1	4	
commutatus Schrad. Hairy Chess	1	4	7
japonicus Thunb. Japanese Chess		4	
latiglumis (Shear) Hitchc.....			7
marginatus Nees.....			6-7
mollis L. Soft Chess	1	4	
polyanthus Scribn.....			6-7
purgans L. Canada Brome Grass	1	4	
var. incanus Shear.....			6
rigidus Roth Ripgut Grass	1		
secalinus L. Chess	1-2	4	
tectorum L. Downy Chess		4	
texensis (Shear) Hitchc. Texas Brome Grass		3-4	
BUCHLOE (BULBILIS)			
dactyloides (Nutt.) Engelm. Buffalo Grass		1-2-3-4-5-6-7	
CALAMOVILFA			
gigantea (Nutt.) Scribn. & Merr.....			7
CATHESTECUM			
erectum Vasey & Hack.....			6
CENCHRUS (Sand Burs)			
echinatus L.....		1-2-3-4	6
incertus M. A. Curtis Coast Sandbur		1-2-3-4-5	
mysuroides H.B.K.....		3-4	6
pauciflorus Benth. Field Sandbur		1-2-3-4-5-6-7	
CHLORIS			
andropogonoides Fourn. (<i>C. tenuispica</i> Nash).....		3-4	
chloridea (Presl) Hitchc. (<i>C. clandestina</i> Scribn. & Merr.).....		3	
ciliata Sw. (<i>C. texana</i> Vasey).....		3	
cucullata Bisch.....		2-3-4-5-6-7	
distichophylla Lag.....		4	
Gayana Kunth Rhodes Grass		3	
latisquamea Nash.....		2-3-4-5	
Petraea Sw.....		2-3	
subdolichostachya Muell (<i>C. brevispica</i> Nash).....		3	
texensis Nash (<i>C. Nealleyi</i> Nash).....		2	
verticillata Nutt. Windmill Grass	1	4-5	7
virgata Sw. (<i>C. alba</i> Presl.; <i>C. elegans</i> H.B.K.) Featherfinger ...			5-6-7
CINNA			
arundinacea L. Stout Woodreed Grass	1		
COIX			
Lachryma-Jobi L. Job's Tears		3	
COTTEA			
pappophoroides Kunth.....		3	6
CYNODON			
Dactylon (L.) Pers. Bermuda Grass		1-2-3-4-5-6-7	
DACTYLOCTENIUM			
aegyptium (L.) Richt.....		1-2-3-4-5	
DANTHONIA			
spicata (L.) Beauv. Poverty Oatgrass	1		
DIARRHENA (DIARINIA)			
americana Beauv.....		1	
DIGITARIA (SYNTHERIAMA)			
filiformis (L.) Koel.....		1-2	
var. villosa (Walt.) Fernald.....		1	
Runyoni Hitchc.....			3
sanguinalis (L.) Scop. Crab Grass		1-2-3-4-5-6-7	
texana Hitchc.....	1	3	
violascens Link.....	1	4	

DISTICHLIS

spicata (L.) Greene.....	2-3		
stricta (Torr.) Rydb.....		4	6-7
texana (Vasey) Scribn.....			6

ECHINOCHLOA

colona (L.) Link Jungle Rice	1-2-3-4-5-6-7		
Crusgalli (L.) Beauv. Barnyard Grass	1-2-3-4-5-6-7		
var. frumentacea W. F. Wight.....	1		
var. mitis (Pursh) Peterm.....		3-4-5-6	
var. zelayensi (H.B.K.) Hitchc.....	1-2-3-4		7
Crus-Pavonis (H.B.K.) Schult.....		2	
pungens (Poir.) Rydb.....	1-2-3		
Walteri (Pursh) Heller.....		2-3-4	

ELEUSINE

indica (L.) Gaertn. Goosegrass	1-2-3-4-5		7
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ELYMUS

canadensis L. Wild Rye	1	4	7
var. brachystachys (Scribn. & Ball) Farwell.....	1	4-5	7
var. robustus (Scribn. & Smith) Mack. & Bush.....		4	
interruptus Buckl. (<i>E. diversiglumis</i> Scribn. & Ball).....			5-6
triticoides Buckl.....			6
villosus Muhl. (<i>E. striatus</i> of authors, not Muhl.).....	1	4-5	
forma arkansanus (Scribn. & Ball) Fernald.....		4-5	
virginicus L. Virginia Wild Rye		2-3-4	
var. australis (Scribn. & Ball) Hitchc.....	1	4	
var. glabriflorus (Vasey) Bush.....	1-2	4	7
var. intermedius (Vasey) Bush.....	1	3-4	

ELYONURUS

barbiculmis Hack.....			6
tripsacoides Humb. & Bonpl.....	1-2-3-4		

ERAGROSTIS (Love Grass)

amabilis (L.) Wight & Arn. (<i>E. plumosa</i> Link).....	2	4	
arida Hitchc.....		3	6
Barrelieri Daveau.....		3-4	7
Beyrichii J. G. Smith.....		3-4	
capillaris (L.) Nees Lace Grass	1-2	4	
cilianensis (All.) Link (<i>E. major</i> Host) Stinkgrass	1	4-5-6-7	
ciliaris (L.) R. Br.....	1		
curtipedicellata Buckl.....		4-5	7
diffusa Buckl.....	1	3-4	
Elliottii S. Wats. (<i>E. nitida</i> Chapm.).....	2		
erosa Scribn.....		3	
Frankii C. A. Meyer ex. Steud.....			
glomerata (Walt.) L. H. Dewey (<i>E. conferta</i> Trin.).....	1		
hirsuta (Michx.) Ness.....	1		
hypnoides (Lam.) B. S. P.....	1-2-3		
intermedia Hitchc. Plains Love Grass	1-2-3		
lugens Nees.....		2-3-4-5-6	
mexicana (Hornem.) Link Mexican Love Grass	2	4-5-6-7	
neomexicana Vasey.....			6
Palmeri S. Wats.....		3	
pectinacea (Michx.) Nees (<i>E. Purshii</i> Schrad.).....		4-5-6-7	
pilifera Scheele (<i>E. grandiflora</i> Smith & Bush).....		4	7
pilosa (L.) Beauv. India Love Grass	1	4-5	7
poaeoides (L.) Beauv. (<i>E. minor</i> Host).....	1	4-5	
refracta (Muhl.) Scribn.....	1-2	4	
reptans (Michx.) Nees.....		3-4	
secundiflora Presl. (<i>E. oxylepis</i> Torr.).....	1-2-3-4-5		7
sessilispica Buckl.....		3-4	
Silveana Swallen.....		2-3	
spectabilis (Pursh) Steud. (<i>E. pectinacea</i> of authors).....		3-4	
Purple lovegrass	1	4	
spicata Vasey.....		3	
Swalleni Hitchc.....		3	
tephrosanthos Schult.....		3	
trichodes (Nutt.) Nash.....	1-2	4-5	7

ERIANTHUS

alopeurioides (L.) Ell. (<i>E. divaricatus</i> Hitchc.)				
Silver Plume Grass	1-2			
contortus Baldwin Bent awn Plume Grass	1-2			
giganteus (Walt.) Muhl. (<i>E. saccharoides</i> Michx.)				
Sugarcane Plume	1			
strictus Baldwin.....	1-2			

ERIOCHLOA

contracta Hitchc. Prairie Cup Grass		3-4		
gracilis (Fourn.) Hitchc. (<i>E. acuminata</i> Kunth in error).....			5-6	
var. minor (Vasey) Hitchc.....				6
punctata (L.) Desv.....	1	3-4		
sericea (Scheele) Munro.....			4	7

FESTUCA

ligulata Swallen.....				6
megalura Nutt. Foxtail Fescue			4	
myuros L.....		2-3		
obtusa Spreng. (<i>F. nutans</i> Willd.) Nodding Fescue	1	4		
octoflora Walt. (<i>F. parviflora</i> Ell.) Six Weeks Fescue	1-2-3-4	5-6-7		
var. hirtella Piper.....		2		
paradoxa Desv. (<i>F. Shortii</i> Kunth).....	1	4		
sciurea Nutt.....	1-2-3-4			
versuta Beal.....		3	5	

GASTRIDIDIUM

ventricosum (Gouan) Schinz & Thell.....				6
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GLYCERIA (*PANICULARIA*)

arkansana Fernald.....	1			
septentrionalis Hitchc. Eastern Mannagrass	1-2	4		
striata (Lam.) Hitchc. (<i>G. nervata</i> Trin.) Fowl Mannagrass		4		

GYMNOPOGON

ambiguus (Michx.) BSP.....	1	3		
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HETEROPOGON

contortus (L.) Beauv. Tangle Head		3	5-6	
melanocarpus (Ell.) Benth. Sweet Tangle Head	2			

HILARIA

Belangeri (Steud.) Nash Curly Mesquite Grass		3-4-5		
cenchroides H.B.K.....			6	
Jamesii (Torr.) Benth. Galleta Grass				7
mutica (Buckl.) Benth. Tobosa Grass			5-6-7	

HOLCUS

lanatus L. Velvet Grass	1-2	4		
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HORDEUM

jubatum L. Foxtail Barley				
murinum L.....		2	4	6
nodosum L. Meadow Barley	1		4	7
pusillum Nutt. Little Barley	2		4-5	7
var. pubens Hitchc.....			4-5	7

IMPERATA

Hookeri Rupr. Satintail		3-4-5-6		
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KOELERIA

cristata (L.) Pers. June Grass			4-5-6-7	
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LAMARCKIA

aurea (L.) Moench Golden Top				6
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LEERSIA (*HOMALOCENCHRUS*)

hexandra Sw.....		2		
lenticularis Michx. Catchfly Grass		2		
monandra Sw.....	1-2	4		
oryzoides (L.) Sw. Rice Cutgrass	1-2	4		
virginica Willd. White Grass	1-2	4		

LEPTOCHLOA (Including *DIPLACHNE*)

chloridiformis (Hack.) Parodi.....				5
dubia (H.B.K.) Nees Green Sprangletop	1	3-4-5-6-7		
fascicularis (Lam.) A. Gray.....	1-2-3	5-6		
filiformis (Lam.) Beauv.....		2-3-4-5		

LEPTOCHLOA—(Continued)

Nealleyi Vasey.....	2-3-4
panicoides (Presl) Hitchc. (<i>L. floribunda</i> Doell.).....	1 4
uninervia (Presl) Hitchc. & Chase (<i>L. imbricata</i> Thurb.).....	3 5-6
virgata (L.) Beauv.....	2-3 6
viscida (Scribn.) Beal.....	5-6-7

LEPTOLOMA

cognatum (Schult.) Chase Fall Witchgrass	2-3-4-5-6-7
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LIMNODEA

arkansana (Nutt.) L. H. Dewey.....	1-2 4-5
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LOLIUM

multiflorum Lam. Italian Ryegrass	1 4
perenne L. Perennial Ryegrass	1
temulentum L. Darnel.....	1-2 4
var. leptochaeton A. Br.....	1

LYCURUS

phleoides H.B.K. Wolf tail	6
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MANISURUS

altissimus (Poir.) Hitchc. (<i>M. fasciculata</i> Hitchc.).....	3 6
cylindrica (Michx.) Kuntze.....	1-2 4-5
rugosa (Nutt.) Kuntze.....	1-2

MELICA

bulbosa Geyer Onion Grass	6
mutica Walt. (<i>M. diffusa</i> Pursh) Two Flower Melic	1-2 4-5
nitens (Scribn.) Nutt.....	4-5-6-7
Porteri Scribn. Porter's Melic	6-7

MONANTHOCHLOE

littoralis Engelm. Salt Cedar Grass	2-3-4
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MUHLENBERGIA (Including EPICAMPES)

arenacea (Buckl.) Hitchc. (<i>Sporobolus auriculatus</i> Vasey).....	3 5-6-7
arenicola Buckl.....	4-5-6-7
asperifolia (Nees & Meyen) Parodi (<i>Sporobolus asperifolium</i> Nees)	6
brachyphylla Bush.....	4
capillaris (Lam.) Trin.....	1
var. filipes (M. A. Curtis) Chapm.....	1
dubia Fourn. (<i>Sporobolus ligulatus</i> Vasey & Dewey) Pineneedle	6
Emersleyi Vasey (<i>Epicampes Emersleyi</i> Hitchc.) Bullgrass	6
expansa (Poir.) Trin. (<i>M. trichopodes</i> Chapm.).....	1-2
glabriflora Scribn.....	4
glauca (Nees) Mez. (<i>M. Lemmoni</i> Scribn.).....	7
involuta Swallen.....	5
Lindheimeri Hitchc. (<i>Epicampes Berlandieri</i> of authors, not	
Fourn.).....	3-4-5
Metcalfei Jones.....	6
mexicana (L.) Trin.....	1 4 7
montana (Nutt.) Hitchc. (<i>M. trifida</i> Hack.) Mountain Muhly ..	6
monticola Buckl. Mesa Muhly	6
parviglumis Vasey.....	6
pauciflora Buckl. New Mexican Muhly	6
polycaulis Scribn.....	6
Porteri Scribn. (<i>M. texana</i> Thurb., not <i>M. texana</i> Buckl.)	
Bush Muhly	5-6-7
pungens Thurb.....	6-7
repens (Presl) Hitchc. Creeping Muhly	6-7
Reverchoni Vasey & Scribn.....	4-5-6
rigens (Benth.) Hitchc. (<i>Epicampes rigens</i> Benth.) Deergrass ...	5-6
rigida (H.B.K.) Kunth (<i>M. Berlandieri</i> Trin.) Purple Muhly ...	6
Schreberi Gmel. (<i>M. diffusa</i> Willd.) Nimblewill	1-2 4
setifolia Vasey.....	6
sobolifera (Muhl.) Trin.....	1 4
var. setigera Scribn.....	1 4
sylvatica Torr. (<i>M. umbrosa</i> Scribn.).....	1 4
texana Buckl. (<i>M. Buckleyana</i> Scribn.).....	4 6-7
Thurberi Rydb.....	6
Torreyi (Kunth) Hitchc. (<i>M. gracillima</i> Torr.) Ringgrass	6-7
utilis (Torr.) Hitchc. (<i>Sporobolus sacatilla</i> Griseb.).....	5-6

MUNROA

squarrosa (Nutt.) Torr. **False Buffalo Grass**..... 6-7

OPLISMENUS

setarius (Lam.) Roem. & Schult..... 1-2-3-4

ORYZOPSIS

hymenioides (Roem. & Schult.) Ricker (*O. cuspidata* Benth.).... 1 4 7

PANICUM

aciculare Desv. (*P. arenicola* Ashe; *P. neuranthum* of authors)... 1-2 4

agrostoides Spreng.,

var. ramosius (Mohr) Fernald..... 1-2 4

amarulum Hitchc. & Chase..... 2-3

amarum Ell..... 1-2-3-4

anceps Michx. (*P. rostratum* Muhl.)..... 1-2 4

var. rhizomatum (Hitchc. & Chase) Fernald..... 1-2

angustifolium Ell..... 1-2 4

arenicoloides Ashe..... 1-2

arizonicum Scribn. & Merr..... 6

barbulatum Michx..... 1-2

Bergii Arech..... 2

Boscii Poir..... 1-2 4

var. molle (Vasey) Hitchc. & Chase..... 2

brachyanthum Steud. (*P. sparsiflorum* Vasey)..... 1-2 4

bulbosum H.B.K. **Bulb Panicum**..... 6

var. minus Vasey..... 6

capillare L. **Witchgrass**..... 1-2 4 7

var. occidentale Rydb. (*P. barbipulvinatum* Nash)..... 7

capillarioides Vasey..... 3

chrysopsidifolium Nash..... 1-2

clandestinum L..... 1 4

commutatum Schult. (Including *P. Joorii* Vasey)..... 1-2 4

consanguineum Kunth..... 1-2 4

cryptanthum Ashe..... 1-2

depauperatum Muhl..... 1-2 4

dichotomiflorum Michx. (*P. proliferum* of authors) **Fall Panicum**..... 1-2 4

dichotomum L..... 1-2 4

fasciculatum Sw. (*P. fuscum* Sw.) **Brown Top Millet**..... 1-2-3-4-5

var. reticulatum (Torr.) Beal..... 2-3-4-5 7

filipes Scribn..... 1-2-3-4-5

firmulum Hitchc. & Chase..... 3

flexile (Gattinger) Scribn..... 1-2 4

geminatum Forsk. (*P. paspalodes* of authors, not Pers.)..... 1-2-3-4

Ghiesbreghtii Fourn..... 3

gymnocarpon Ell..... 1-2-3-4-5-6

Hallii Vasey **Hall's Panicum**..... 3-4-5-6-7

Havardii Vasey..... 6

hemitomon Schult. **Maidencane**..... 1-2 4

hians Ell..... 1-2-3-4

Hillmani Chase..... 7

hirsutum Sw..... 3

hirticaule Presl..... 3 6

lancearium Trin..... 2

lanuginosum Ell..... 1-2

var. fasciculatum (Torr.) Fern. (*P. huachucae* Ashe)..... 2 4-5-6-7

var. Lindheimeri (Nash) Fern. (*P. tennesseense* Ashe)..... 1-2 4-5-6

laxiflorum Lam. (Including *P. xalapense* H.B.K.)..... 2 4

linearifolium Scribn..... 2 4

var. Wernerii (Scribn.) Fernald..... 4

longifolium Torr..... 1-2 4

lucidum Ashe..... 1-2

malacophyllum Nash..... 1 4

maximum Jacq. **Guinea Grass**..... 1 4

microcarpon Muhl..... 1-2 4

miliaceum L. **Broomcorn Millet**..... 7

nitidum Lam..... 2 4

PANICUM—(Continued)	
nodatum Hitchc. & Chase.....	3
obtusum H. B. K. Vine Mesquite Grass	1 3-4-5-6-7
oligosanthes Schult.....	1-2 4
var. <i>Helleri</i> (Nash) Fernald (<i>P. Helleri</i> Nash).....	1-2-3-4-5-6-7
var. <i>Scribnerianum</i> (Nash) Fern.....	3-4 6
ovale Ell.....	1-2 4
ovinum Scribn. & Smith.....	1-2 4
paludivagum Hitchc. & Chase.....	2-3
pedicellatum Vasey.....	1 4-5-6
perlongum Nash.....	4-5
philadelphicum Bernh.....	1 4
plenum Hitchc. & Chase.....	3 5-6-7
polyanthes Schult.....	1-2 4-5
portoricense Desv. (<i>P. pauciciliatum</i> Ashe).....	2
praecocius Hitchc. & Chase.....	2 4
purpurascens Raddi Para Grass	2-3-4
ramisetum Scribn.....	2-3-4
Ravenelii Scribn. & Merr.....	1-2 4
repens L.....	2
reptans L.....	1-2-3
Reverchoni Vasey.....	4-5 7
roanokense Ashe.....	1-2 4
seabriusculum Ell.....	1-2
scoparium Lam. (<i>P. pubescens</i> Lam.).....	1-2 4
sphaerocarpon Ell.....	1-2-3-4-5
var. <i>inflatum</i> (Scribn. & Smith) Hitchc.....	1
spretum Schult. (<i>P. octonodum</i> Smith).....	2 4
stipitatum Nash.....	1
strigosum Muhl.....	4
tenerum Beyr. (<i>P. stenodes</i> of authors, not Griseb.).....	1-2
texanum Buckl. Texas Millet	2-3-4-5 7
Thurowii Scribn. & Smith.....	1-2-3
verrucosum Muhl.....	1-2
villosissimum Nash.....	1 4
virgatum L. Switchgrass	1-2-3-4-5-6-7
PAPPOPHORUM	
bicolor Fourn.....	3
mucronulatum Nees (<i>P. vaginatum</i> Buckl.).....	3 6
Wrightii S. Wats. Spike Pappus Grass	5-6
PASPALUM	
acuminatum Raddi.....	3
almum Chase Combs Paspalum	2
bifidum (Bertol.) Nash.....	1-2 4
ciliatifolium Michx. (<i>P. Eggertii</i> Nash; <i>P. epile</i> Nash).....	1-2-3-4
var. <i>Muhlenbergii</i> (Nash) Fernald (<i>P. pubescens</i> Muhl.).....	1 4
var. <i>stramineum</i> (Nash) Fern. (<i>P. stramineum</i> Nash).....	1-2-3-4-5
conjugatum Bergius.....	3
debile Michx. (<i>P. villosissimum</i> Nash).....	1 3-4
dilatatum Poir.....	1-2 4-5-6
dissectum (L.) L. (<i>P. membranaceum</i> Walt.).....	2
distichum L. Knotgrass	1-2-3-4-5-6-7
floridanum Michx.....	1-2 4
var. <i>glabratum</i> Engelm.....	1-2 4
fluitans Ell. (<i>P. repens</i> of authors, not Bergius).....	1-2
Hartwegianum Fourn. (<i>P. Buckleyanum</i> Vasey).....	2-3 5
laeve Michx. (<i>P. angustifolium</i> LeConte; <i>P. australe</i> Nash).....	1-2 4
var. <i>circulare</i> (Nash) Stone (<i>P. circulare</i> Nash).....	1-2 4
var. <i>pilosum</i> Scribn. (<i>P. longipilum</i> Nash).....	1 4
Langei (Fourn.) Nash (<i>P. Drummondii</i> Vasey, not <i>C. Muell.</i>).....	2-3-4
lentiferum Lam. (<i>P. tardum</i> Nash; <i>P. Kearneyi</i> Nash).....	1-2
lividum Trin. Longtom	2-3 5
minus Fourn.....	2-3
monostachyum Vasey. (<i>P. solitarium</i> Nash).....	1-2-3
notatum Fluegge Bahia Grass	2

PASPALUM—(Continued)

plicatum Michx.....	1-2-3-4-5	
praecox Walt.....	2	4
pubiflorum Rupr.....	1-2-3-4-5-6	
var. glabrum Vasey (<i>P. geminum</i> Nash).....	1	4
rigidifolium Nash.....	2	4
scrobiculatum L.....		7
setaceum Michx.....	2-3	5
stramineum Nash.....		3
unispicatum (Scribn. & Merr.) Nash.....		3
Urvillei Steud (<i>P. Vaseyana</i> Scribn.: <i>P. Larranagae</i> Arech.).....	1-2-3-4	
vaginatum Sw.....	2-3	
virgatum L.....		3-4
Wrightii Hitchc. & Chase.....	2	
PENNISETUM		
nervosum (Nees) Trin.....		3
villosum R. Br.....		3
PHALARIS		
angusta Nees.....	2-3-4-5	
arundinacea L.,		
var. picta L.....	1	4
brachystachys Link.....		3
canariensis L. Canary Grass	2	4
caroliniana Walt.....	1-2-3-4-5	7
minor Retz.....	2	
PHLEUM		
pratense L. Timothy	1	4
PHRAGMITES		
communis Trin.,		
var. Berlandieri (Fourn.) Fernald (<i>P. Phragmites</i> Karst.).....	1-2-3-4	6-7
PIPTOCHAETIUM		
fimbriatum (H.B.K.) Hitchc. (<i>Oryzopsis fimbriata</i> Hemsl.)		
Pinyon Ricegrass		6
POA		
annua L. Annual Bluegrass	1-2	4
arachnifera Torr. (<i>P. glabrescens</i> Nash) Texas Bluegrass	1-2	4-5 7
arida Vasey. (<i>P. andina</i> Nutt.) Plains Bluegrass		6-7
autumnalis Muhl. (<i>P. flexuosa</i> Muhl.).....	1-2	
Bigelovii Vasey & Scribn. Bigelow's Bluegrass		4-5-6-7
Chapmaniana Scribn.....	1	4
compressa L. Canada Bluegrass		4
Fendleriana (Steud.) Vasey Mutton Grass		6
interior Rydb. Inland Bluegrass	1	3-4 7
involuta Hitchc.....		6
pratensis L. Kentucky Bluegrass	1	4
sylvestris A. Gray.....	1	
POLYPOGON		
lutosus (Poir.) Hitch. (<i>P. littoralis</i> J. E. Smith)		
Ditch Polypogon		6
monspeiliensis (L.) Desf. Rabbitfoot Grass	2-3-4-5-6	
SACCIOLEPIS		
striata (L.) Nash (<i>S. gibba</i> Nash).....		4
SCHEDONNARDUS		
paniculatus (Nutt.) Trel. Tumblegrass	2	4-5-6-7
SCLEROPOA		
rigida (L.) Griseb.....		3
SCLEROPOGON		
brevifolius Philippi Burro Grass		5-6-7
SECALE		
cereale L. Rye		4 7
SETARIA (CHAETOCHLOA)		
geniculata (Lam.) Beauv. Knotroot Bristle Grass	1-2-3-4-5-6	
Grisebachii Fourn. Grisebach Bristle Grass		5-6
italica (L.) Beauv. Foxtail Millet		4-5 7
lutescens (Weigel) Hubbard (<i>Chaetochloa glauca</i> Scribn.).....	1-2	4-5

SETARIA—(Continued)			
macroserma (Scribn. & Merr.) Schum.....	2		
macrostachys H.B.K. Plains Bristlegrass		3-4-5-6-7	
magna Griseb. Giant Bristlegrass	2		
Scheelei (Steud.) Hitchc.....		3-4-5	7
setosa (Sw.) Beauv.....		3	
verticillata (L.) Beauv. Perennial Foxtail		3-4	
villosissima (Scribn. & Merr.) Schum.....		3	5-6
viridis (L.) Beauv. Green Bristlegrass		4	7
SITANION			
Hystris (Nutt.) J. G. Smith Squirreltail	2	4-5-6-7	
SORGHASTRUM (<i>CHRYSOPOGON</i>)			
Elliottii (C. Mohr) Nash.....	1-2		
nutans (L.) Nash Indian Grass	1	4-5-6-7	
secundum (Ell.) Nash.....	1		
SORGHUM			
halepense (L.) Pers. (<i>Holeus halepensis</i> L.) Johnson Grass	1-2-3-4-5-6-7		
SPARTINA			
alterniflora Lois.,			
var. glabra (Muhl.) Fernald Smooth Cordgrass	2		
cynosuroides (L.) Roth Big Cordgrass	2		
patens (Ait.) Muhl.,			
var. juncea (Michx.) Hitchc. Saltmeadow Cordgrass	2		
pectinata Link. (<i>S. Michauxiana</i> Hitchc.) Prairie Cordgrass ..		2-3-4-5	7
spartinae (Trin.) Merr. (<i>S. junciformis</i> Engelm. & Gray).....		2-3	
SPHENOPHOLIS (<i>EATONIA</i> of Authors)			
filiformis (Chapm.) Scribn.....	1-2	4	
intermedia (Rydb.) Rydb. (<i>S. pallens</i> of authors, not Scribn.)..	1		
longiflora (Vasey) Hitchc.....	1-2		
nitida (Spreng.) Scribn. (<i>Eatonia pennsylvanica</i> A. Gray).....	1-2	4	
obtusata (Michx.) Scribn. (<i>S. pubescens</i> Heller)			
Prairie Wedgegrass	1-2-3-4-5-6		
SPOROBOLUS			
airoides (Torr.) Torr. Alkali Sacaton	2-3	5-6-7	
argutus (Nees) Kunth.....	1-2-3-4-5	7	
asper. (Michx.) Kunth.....	1-2	4-5	
var. Hookeri (Trin.) Vasey.....	1	4-5	
var. pilosus (Vasey) Hitchc.....		3 5 7	
Buckleyi Vasey.....		3	
clandestinus (Spreng.) Hitchc. (<i>S. canovirens</i> Nash).....	1		
contractus Hitchc. (<i>S. strictus</i> Merr., not Franch.).....			6
cryptandrus (Torr.) A. Gray Sand Dropseed		2-3-4-5-6-7	
gracilis (Trin.) Merr. (<i>S. junceus</i> Kunth).....	1-2-3-4		
flexuosus (Thurb.) Rydb. Mesa Dropseed			6
giganteus Nash (<i>S. cryptandrus robustus</i> Vasey).....			6-7
heterolepis A. Gray.....	1	4	
microsermus (Lag.) Hitchc. (<i>S. confusus</i> Vasey)			
Six Weeks Dropseed			6
Nealleyi Vasey Neally Dropseed		3	
neglectus Nash.....	1	4-5	
Poiretii (R. & S.) Hitchc. (<i>S. indicus</i> of authors, not R. Br.)....	1-2	4	
purpurascens (Sw.) Hamilt.....	1-2-3-4		
texanus Vasey.....			6-7
Tharpai Hitchc.....		2-3	
vaginiflorus (Torr.) Wood (<i>S. filiculmis</i> L. H. Dewey, not Vasey)	2	4-5	
virginicus (L.) Kunth.....		2-3	
Wrightii Munro Sacaton		3	6
STENOTAPHRUM			
secundatum (Walt.) Kuntz St. Augustine's Grass	2-3-4		
STIPA			
avenacea L. Blackseed Needlegrass	1-2	4	
columbiana Macoun Columbia Needlegrass			6-7
comata Trin. & Rupr. Needle and Thread Grass			6-7
eminens Cav. (<i>S. flexuosa</i> Vasey).....			6
leucotricha Trin. & Rupr. Texas Needlegrass	1-2-3-4-5	7	

STIPA—(Continued)		
lobata Swallen.....		6
neomexicana (Thurb.) Scribn. New Mexican Feathergrass ...		5-6-7
Pringlei Scribn. Pringle Needlegrass		6
robusta Scribn. (<i>S. viridula robusta</i> Vasey; <i>S. Vaseyi</i> Scribn.)		
Sleepy Grass		6-7
tenuissima Trin.....		6
TRACHYPOGON		
montufari (H.B.K) Nees Crinkle Awn	3-4	6
TRAGUS (<i>NAZIA</i>)		
Berteronianus Schult. (<i>Nazia aliena</i> of authors).....		5-6-7
racemosus (L.) All. <i>Nazia racemosa</i> Kuntz).....		6
TRICACHNE (<i>VALOTA</i>)		
californica (Benth.) Chase (<i>Panicum saccharatum</i> Buckl.)		
Cotton Top	3-4-5-6-7	
Hitchcockii (Chase) Chase.....	3-4-5-6	
insularis (L.) Nees Sourgrass	3	5-6
patens Swallen.....	3-4-5	
TRICHLORIS		
mendocina (Phil.) Kurtz (<i>T. fasciculata</i> Fourn.).....	3	6
pluriflora Fourn.....	3-4-5-6	
TRICHOILAENA		
rosea Nees Natal Grass		3
TRICHONEURA		
elegans Swallen.....	2-3	
TRIODIA (<i>TRIDENS</i> , <i>SIEGLINGIA</i> , <i>RHOMBOLYTRUM</i>)		
albescens Vasey.....	3-4-5-6	
Buckleyana (L. H. Dewey) Vasey.....	3-4-5	7
congesta (L. H. Dewey) Bush.....	3-4-5	
elongata (Buckl.) Scribn. Rough Triodia		5-6-7
eragrostoides Vasey & Scribn.....	1-2-3	
flava (L.) Smyth (<i>Tridens sesleroides</i> Nash) Purpletop	1-2	4-5 7
grandiflora Vasey (<i>T. avenacea</i> of authors, not H. B. K.)		
Shortleaf Triodia		5-6
Langloisii (Nash) Bush (<i>T. ambigua</i> Benth.).....	1	
mutica (Torr.) Scribn. Slim Triodia		3-4-5-6-7
pilosa (Buckl.) Merr. (<i>T. acuminata</i> Benth.)		
Hairy Triodia	2-3-4-5-6-7	
pulchella H.B.K. Fluff Grass		5-6
stricta (Nutt.) Benth.....	1-2-3-4	
texana S. Wats.....	1-2-3-4	7
TRIPLASIS		
americana Beauv.....		4
purpurea (Walt.) Chapm. (Including <i>T. intermedia</i> Nash).....	1-2-3-4	
TRIPOGON		
spicatus (Nees) Ekman.....		5
TRIPSACUM		
dactyloides (L.) L. Eastern Gamagrass	1-2-3-4	6-7
TRisetum		
interruptum Buckl.....	2	4-5-6-7
UNIOLA		
latifolia Michx. Broadleaf Uniola	1-2-3-4	
laxa (L.) B.S.P.....	1-2	4
paniculata L. Sea Oats		2-3
sessiliflora Poir. (<i>U. longifolia</i> Scribn.).....	2	4
VASEYCHLOA		
multinervosa (Vasey) Hitchc. (<i>Melica multinervosa</i> Vasey).....		3
VETIVERIA		
zizanioides (L.) Nash Vetiver	2-3	
WILLKOMMIA		
texana Hitchc.....	2-3-4	
ZIZANIA		
aquatica L.,		
var. interior Fasset Annual Wild Rice	2-3-4	
texana Hitchc. Texas Wild Rice		4
ZIZANIOPSIS		
miliaceae (Michx.) Doell & Aschers. Southern Wild Rice	1-2	4 7

19. CYPERACEAE (Sedge)

CAREX

alta Torr.....	1-2		
amphibola Steud.....	1-2		
annectens Bickn.....	1		
arkansana L. H. Bailey.....	1		
atlantica L. H. Bailey.....	2	4	
austrina (Small) Mackenzie.....	1		
blanda Dewey.....	1		
brevior (Dewey) Mackenzie.....	2	4	
Brittoniana Bailey (<i>C. Bicknellii</i> Britton).....	1-2-3-4		7
bulbostylis Mackenzie.....			4
Bushii Mackenzie.....	1-2	4	
caroliniana Schwein.....	1		
cephalophora Muhl.....	2		
cherokeensis Schwein.....	2		
complanata Torr. (<i>C. triceps</i> Michx. in part).....	1-2		
crinita Lam.....	1		
Crus-corvi Shuttlew.....	1-2		
Davisi Schwein. & Torr.....	2		
debilis Michx.....	1-2		
digitalis Willd.....		4	
eburnea Boott.....			6
Emoryi Dewey.....	2	5	
filifolia Nutt.....	2	4	
flaccosperma Dewey.....	1-2	4	
Frankii Kunth.....	1-2		
gigantea Rudge.....	1-2		
glaucodea Tuckerm.....	1		
grisea Wahl.....	1-2		
hyalina Boott.....	1	4	
hyalinolepis Steud. (<i>C. riparia</i> of authors; <i>C. impressa</i> Mack.).....	1		
hystricina Muhl.....			6-7
incomperta Bickn.....	1		
Joorii Bailey (<i>C. macrokolea</i> Steud.).....		4	
lanuginosa Michx.....	1		
laxiflora Lam. (<i>C. striatus</i> Michx.).....	2		
Leavenworthii Dewey.....	1	4	
leptalea Wahl.....	1		
var. Harperi (Fernald) Stone (<i>C. Harperi</i> Fern.).....	1-2		
Longii Mackenzie (<i>C. foena</i> Ell., not Willd.).....	1-2		
louisianica Bailey (<i>C. Halei</i> Carey).....	1-2		
Lunelliana Mackenzie.....		4	7
lupulina Muhl.....	1-2	4	
lurida Wahl.....	2		
Meadii Dewey.....			4
microdonta Torr. & Hook.....	1-2		6
Muhlenbergia Schk.....	1	4	
var. australis Olney.....	1		5
var. enervis Boott (<i>C. plana</i> Mack.).....			4-5
nigromarginata Schwein., var. floridana (Schwein.) Weatherby.....	1-2		
intumescens Rudge.....	1-2		
oklahomensis Mackenzie.....	1	4	
oligocarpa Schk.....	1		
onusta Mackenzie.....		4	
oxylepis Torr. & Hook. (<i>C. gracillima</i> of authors).....			5
physorhyncha Liebn. (<i>C. varia australis</i> Bailey).....	1-2		
planostachys Kunze.....			3-4-5-6
reniformis (Bailey) Small.....	1-2		
retroflexa Muhl.....	2		
rosea Schk.....	2		
Smalliana Mackenzie.....	1-2		

CAREX—(Continued)

squarrosa L.....	1		
stipata Muhl.....			7
var. uberior C. Mohr.....	2		
straminea Willd. (<i>C. albolutescens</i> Schwein.).....	2		
stricta Lam.....	2		
styloflexa Buckl.....	2		
tetanica Schk. (<i>C. Billmoreana</i> Mack.).....	1-2		
texasensis (Torr.) Bailey.....	2		
triangularis Boeckl.....	1-2		
tribuloides Wahl.....	1		
varia Muhl.....	2		
verrucosa Muhl.....	2		
vulpinoidea Michx.....			4
Wildenovii Schk.....	2		
CLADIUM			
jamaicensis Crantz (<i>C. effusum</i> Torr.).....	2-3-4-5-6-7		
CYPERUS			
acuminatus Torr. & Hook.....	2-3-4		
articulatus L.....	2-3		
var. conglomeratus Britton.....	3		
Buckleyi Britton.....	2-3		
cayanennensis (L.) Britton.....	2		
cephalanthus Torr. & Hook.....	2	4	
compressus L.....	2		
cuspidatus H. B. K. (<i>C. squarrosus</i> of authors).....	2		5
cylindrostachys Boeckl.....	1-2-3-4		
cyrtolepis Torr. & Hook.....	2		
var. denticarinatus Britton.....		3	
densus Link.....	1-2		
diandrus Torr.....	1		
var. capitatus Britton.....	2-3		6
digitatus Roxb.....	2	4	
dissitiflorus Torr.....	2	4-5	
Drummondii Torr. & Hook.....		4-5	7
Eggersii Boeckl.....	3		
elegans L.....	3-4-5		
erythrorhizos Muhl.....	2-3-4		
esculentus L. Northern Nut Grass	1-2	4	6
Fendlerianus Boeckl.....			6
ferax L. C. Rich.....	3-4		
ferruginescens Boeckl.....			6
filiculmis Vahl. (<i>C. Bushii</i> Britton).....	3-4		7
var. microdontus (Torr.) Fern.....	1-2	4	
flavescens L.....	2		
flavomarisicus Griseb.....	3		
flavus (Vahl) Nees.....	3		
giganteus Vahl.....	3		
globulosus Aubl. (<i>C. echinatus</i> Wood; <i>C. subuniflorus</i> Britton).....	1-2-3-4-5		7
Hallii Britton.....	2	4	
Haspan L.....	1-2	4	
helvis Liebm.....	1		
Hochstetteri Nees.....		4	
hystricinus Fernald.....	1-2		
inflexus Muhl. (<i>C. aristatus</i> Rottb.).....	2	4-5-6	
Iria L.....	2		
longispicatus Norton.....		3	
lutescens Torr. & Hook.....	1-2		
melanostachys H. B. K.....			6
multiflorus (Britton) Small.....	1		
var. microdontus (Torr.) Fern.....			
ochraceus Vahl.....	2-3-4		
ovularis (Michx.) Torr.....	2-3		
var. sphaericus Boeckl.....		4	7
oxycarioides Britton.....		3	

CYPERUS—(Continued)

oxylepis Nees.....	2		
paniculatus Rottb.....	1-2	4	
odoratus L. (<i>C. polystachyus</i> Rottb.).....	2	4	
Plankii Britton.....	1	4	7
praelongatus Steud.....	1-2		
pseudovegetus Steud.....	2		
reflexus Vahl.....	1-2		
refractus Engelm.....	2		
retrofractus (L.) Torr.....	2	4	
retrorsus Cham.,			
var. cylindricus (Ell.) Fern. & Grisc. (<i>C. Torreyi</i> Britt.).....	1-2-3		
rotundus L. Southern Nut Grass	1-2-3-4		
Rusbyi Britton.....			6
sabulosus Mart. & Schrad. (<i>C. flavicomus</i> Vahl.).....	1-2		
Schweinitzii Torr.....			6
seslerioides H. B. K.....			6
setigerus Torr. & Hook.....	2	4	
speciosus Vahl.....	2-3-4-5		
spectabilis Schreb.....	3		
strigosus L.....	2-3-4		
var. stenolepis (Torr.) Kukenth.....	2		
surinamensis Rottb.....	2		
tetragonus Ell.....	2	4-5	
virens Michx.....	2-3		

DICHROMENA

colorata (L.) A. S. Hitchc. (<i>D. cephalotes</i> Britton).....	1-2-3-4-5		
latifolia Baldwin.....			5-6
nivea Boeckl.....	2	4-5	

DULICHIMUM

arundinaceum (L.) Britton.....	1-2	4	
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ELEOCHARIS

acicularis (L.) R. & S. (<i>Scirpus acicularis</i> L.).....	2	4-5	
acutisquamata Buckl. (<i>E. acuminata</i> Nees; <i>E. compressa</i> Sull.)...		5	
albida Torr. (<i>E. Berlandieri</i> C. B. Clarke).....	2-3		
arenicola Torr.....	2-3-4-5-6-7		
atropurpurea (Retz.) Kunth.....		4-5	
Brittonii Svenson.....	1-2		
calva Torr. (<i>E. glaucescens</i> of authors).....	1-2-3		
caribaea (Rottb.) Blake (<i>E. capitata</i> of authors, not R. Br.)....	2-3-4	6	
cellulosa Torr.....	3	5-6	
cylindrica Buckl.....		3-4	
elongata Cham.....	1-2		
equisetoides (Ell.) Torr.....	2		
flaccida (Reichenb.) Urban.....		4	
interstincta (Vahl) R. & S.....	2-3		
lanceolata Fernald.....	3	6	
Lindheimeri (C. B. Clarke) Svenson.....	1		
mamillata Lindb. (<i>E. macrostachya</i> Britton; <i>E. palustris</i> R. & S.)	1-2-3-4	6	
melanocarpa Torr.....		4	
microcarpa Torr.,			
var. Brittonii (Svenson ex. Small) Svenson.....	1-2-3		
microformis Buckl.....		4-5-6	
minima Kunth.....	2	4	
nodulosa (Roth) Schult.....	1-2		
var. subnodulosa (Steud.) Kukenthal (<i>E. Ravenelii</i> Britton)....		3	
obtusa (Willd.) Schult.....	2		
Palmeri Svenson.....			6
parvula (R. & S.) Link,			
var. anachaeta (Torr.) Svenson (<i>E. leptos</i> Svenson).....	2-3-4		
quadrangulata (Michx.) R. & S.,			
var. crassior Fernald.....	2	4	
Reverchonii Svenson.....		3-4-5	
rostellata Torr.....			6-7
tortilis (Link) Schult.....	1-2	4	

ELEOCHARIS—(Continued)			
tricostata Torr.....	2		
tuberculosa (Michx.) R. & S.....	2	4	
xyridiformis Fern. & Brack.....			7
FIMBRISTYLIS			
annua R. & S.....		3	
anomala Boeckl. (<i>F. Drummondii</i> Boeckl.).....	2		5
autumnalis (L.) R. & S.....		2-3-4	
Baldwiniana (Schult.) Torr.....	1-2		
castanea (Michx.) Vahl.....		2-3-4	
diphylla (Retz.) Vahl (<i>F. lexa</i> Vahl).....		2-3	
interior Britton.....			7
miliacea Vahl.....	2		
puberula (Michx.) Vahl (<i>F. spadicea</i> of authors).....	2		
VahlII (Lam.) Link.....		2-3-4	
FUIRENA			
hispida Ell.....	2	4	
simplex Vahl.....		3-4-5	
squarrosa Michx., var. breviseta Cov.....	1-2		
HEMICARPHA			
aristulata (Coville) Smyth.....			7
Drummondii Nees.....	1-2		
micrantha (Vahl) Pax.....	1-2		4
KYLINGA			
brevifolia L.....	1-2		
odorata Vahl.....	2		
pumila Michx.....	1-2		
PSILOCARYA			
nitens (Vahl) Wood.....	1-2		
RHYNCHOSPORA			
caduca Ell.....	1-2		
corniculata (Lam.) A. Gray.....	2	4	
var. interior Fernald.....		4	
cymosa Ell.....	2	4	
filifolia Torr.....	1-2		
fuscoides Clarke.....	1-2		
globularis (Chapm.) Small.....	1		
glomerata (L.) Vahl.....	1	4	
var. minor Britton (<i>R. capitellata</i> Vahl).....	2	4	
var. paniculata (A. Gray) Chapm.....	1		
gracilentia A. Gray.....	1-2		
Grayi Kunth.....	1		
Harveyi W. Boott (<i>R. Plankii</i> Britton).....	1		
indianolepis Small.....	1-2		
inexpansa (Michx.) Vahl.....	2		
intermixta C. Wright (<i>R. pusilla</i> M. A. Curtis).....	1-2		
macra (Clarke) Small.....	1-2		
macrostachya Torr.....	1-2		
microcarpa Baldw.....	1		
microcephala Britton.....	1-2		
mixta Britton.....	1		
oligantha A. Gray.....	1		
plumosa Ell.....	1		
rariflora (Michx.) Ell.....	2		
schoenoides (Ell.) Britton.....	2		
scutellata Griseb.....			3
semiplumosa A. Gray.....	1-2		
SCHOENUS			
nigricans L.....	1-2-3-4-5		
SCIRPUS			
americanus Pers.....		3	5
californicus (C. A. Meyer) Britton Tule		3-4-5	
carinatus (H. & A.) A. Gray.....	1-2	4	
Eriophorum Michx.....		4	

SCIRPUS—(Continued)

Hallii A. Gray.....		4-5
lineatus Michx.....	2-3-4	
Olneyi A. Gray.....	2-3	6
pallidus (Britton) Fernald.....		7
paludosus A. Nels (<i>S. campestris</i> Britt.).....		7
robustus Pursh.....	2	
saximontanus Fernald.....		6-7
validus Vahl (<i>S. lacustris</i> of authors).....	2-3-4	

SCLERIA

Baldwinii (Torr.) Steud.....	1-2	
ciliata Michx.....	1	4
costata (Britton) Small.....	1	
Elliottii Chapm.....	1-2	
gracilis Ell.....	1-2	
oligantha Michx.....	1-2-3	
pauciflora Muhl.....	1-2	4
var. caroliniana (Willd.) Wood.....	1	
setacea Poir. (<i>S. Torreyana</i> Walp.).....	1-2	
triglomerata Michx.....	1-2	4
verticillata Muhl.....	2	4

STENOPHYLLUS

capillaris (L.) Britton.....	1	4-5-6
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20. PALMACEAE (Palm)

SABAL

minor (Jacq.) Pers. (<i>S. glabra</i> Sarg.) Palmetto	1	4
texana Becc. (<i>S. Palmetto</i> R. & S.) Texas Palm		3

SERENOA

repens (Bartr.) Small (<i>S. serrulata</i> Hook.).....	1	
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21. ARACEAE (Arum)

ACORUS

Calamus L. Calamus Root	1-2	
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ARISAEMA

Dracontium (L.) Schott Dragon Head	1-2	4-5
triphylllum (L.) Schott Jack-in-the-pulpit	1	4

PELTANDRA

virginica (L.) Kunth.....	1	
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PISTIA

Stratiotes L.....	1-2	
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22. LEMNACEAE (Duckweed)

LEMNA (Duckmeat)

gibba L.....		4-5-6
minima Phillipi.....		4
minor L.....	2	4
trisulca L.....		3 6
Valdiviana Phillipi (<i>L. cyclostasa</i> Chev.).....		3 6

SPIRODELA

polyrhiza (L.) Schleid.....	1-2	4
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WOLFFIA

columbiana Karst.....	2-3-4	
punctata Griseb.....	1-2	

WOLFIELLA

floridana (J. D. Smith) C. H. Thompson.....	2	4
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23. ERIOCAULACEAE (Pipewort)

ERICAULON

articulatum (Huds.) Morong (<i>E. septangulare</i> With.).....		4
compressum Lam.....	1	
decangulare L.....	1	
Koernickianum Von Heurck & Muell. Arg.....	1	
texense Koern.....		4

LACHNOCAULON

anceps (Walt.) Morong.....	1	
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24. XYRIDACEAE (Yelloweye Grass)

XYRIS

ambigua Beyr.....	1-2	
Baldwiniana R. & S.....	1	4
caroliniana Walt.....		4
difformis Chapm.....	1-2	
fimbriata Ell.....	2	
flexuosa Muhl. (<i>X. arenicola</i> Small; <i>X. torta</i> Kunth).....	1	4
iridifolia Chapm.....	1-2	
torta J. E. Smith.....	1	

25. MAYACACEAE (Mayaca)

MAYACA

Aubletii Michx. (<i>M. Michauxii</i> Schott & Endl.).....	1-2	
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26. COMMELINACEAE (Spiderwort)

COMMELINA (Day Flowers)

angustifolia Michx. (<i>C. Nashii</i> Small).....	1-2	4-5
communis L.....	1	
crispa Wooton.....	2	4-5-6
dianthifolia Delile.....		6
elegans H. B. K.....	3	
erecta L. (<i>C. virginica</i> of authors, not L.).....	2	4-5
longicaulis Jacq. (<i>C. nudiflora</i> of authors, not L.).....	1-2	4-5
microcarpa Andrz.....		6
virginica L. (<i>C. hirtella</i> Vahl).....	1-2	

COMMELINANTIA

anomala (Torr.) Tharp.....		4-5
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NEOTRELEA (TRELEA) (TRELEA) Rose, not SPEGAZ.)

brevifolia (Torr.) Rose (<i>Trad. leiandra ovata</i> Coult.).....	3	6
leiandra (Torr.) Rose (<i>Tradescantia leiandra</i> Torr.).....		6

TRADESCANTIA Spiderwort

canaliculata Raf. (<i>T. reflexa</i> Raf.).....	1-2-3-4-5	7
edwardsiana Tharp.....		4-5
gigantea Rose.....		4-5 7
hirsutiflora Bush.....	1-2-3-4-5	
humilis Rose.....	3-4-5	
micrantha Torr.....	2-3	
occidentalis (Britton) Smyth.....	3-4-5-6-7	
Reverchoni Bush.....	1-2	4
subcaulis Bush (<i>T. texana</i> Bush).....	2	4-5
Tharpian Anderson & Wooton.....		4-5 7
Wrightii Rose & Bush.....		6

27. BROMELIACEAE (Pineapple)

HECHTIA (Ball Moss)

texensis S. Wats. False Agave.....	3	6
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TILLANDSIA

Baileya Rose Bailey Ball Moss.....	3	
recurvata L. Small Ball Moss.....		3-4-5-6
usneoides L. Spanish Moss.....	1-2-3-4	

28. PONTEDERIACEAE (Pondweed)

EICHORNIA (PIAROPUS)

crassipes (Mart.) Solms Water Hyacinth.....	1-2-3-4	
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HETERANTHERA

dubia (Jacq.) MacM. Water Star Grass.....	3-4	
limosa (Sw.) Willd.....	3	6
mexicana S. Wats.....		5 7
peduncularis Benth.....	1	4

PONTEDERIA

cordata L. Pickerel Weed.....	1-2	4
var. lancifolia (Muhl.) Morong.....	2	4-5-6-7
lanceolata Nutt.....	1	

29. JUNCACEAE (Rush)

JUNCUS

acuminatus Michx.....	1		
forma sphaerocephala Hermann.....			5-6
arizonica Wiegand.....			6
balticus Willd.....			7
brachycarpus Engelm.....	1-2	4	
bufonius L.....	1	4	
diffusissimus Buckl.....	2	4	
Dudleyi Wiegand.....		4	7
effusus L., var. solutus Fern. & Wiegand.....	2		
Elliottii Chapm.....	2		
filipendulus Buckl.....			4-5
interior Wiegand.....		4	6-7
macer S. F. Gray.....	1		
marginatus Rostk.....	1	4	
var. biflorus (Ell.) Engelm. (<i>aristatulus</i> of authors).....	1-2-3		
var. setosus Coville.....	1	3-4-5	7
nodatus Coville (<i>J. robustus</i> Coville).....	1-2	4	
megacephalus M. A. Curtis.....	1	3	
polycephalus Michx. (<i>J. Engelmanni</i> Buch.).....	1	3	
var. crassifolius Michx.....	2		
repens Michx.....	2-3		
Roemeriana Scheele.....	3		
scirpoides Lam.....	1	3-4	
setaceus Rostk.....	2-3		
tenuis Willd. (<i>J. dichotomus</i> Ell.).....			4-5
var. anthelatus Wiegand.....	1		
var. platyphyllus (Wiegand) Cory.....	2-3		
texanus (Engelm.) Coville.....	1		
Torreyi Coville.....	2	4-5-6-7	
validus Coville.....	1	4	
LUZULA (<i>JUNCOIDES</i>)			
campestris (L.) DC., var. bulbosa A. Wood (<i>L. bulbosa</i> Rydb.).....	1	4	

30. LILIACEAE (Lily)

ALLIUM

canadense L.....	1-2	4	
cernuum Roth (<i>A. recurvatum</i> Rydb.).....			6
Coryi M. E. Jones Yellow Onion			6
deserticola (M. E. Jones) Woot. & Standl.....			6
Drummondii Regel (<i>A. Helleri</i> Small) White Onion			4-5 7
mobile Regal (<i>A. arenicola</i> Small).....	1-2-3-4-5	7	
mutabile Michx.....	1	3-4-5	7
nevadense S. Wats.....			4-5-6-7
Nuttallii S. Wats.....			3-4-5-6-7
reticulatum Fraser ex Don.....			6
scaposum Benth.....	3-4-5		
stellatum Fraser ex Ker.....			6-7

ALOE

vera L.....	2-3		
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ANTHERICUM

Chandleri Greenm. & Thompson.....	3		
Torreyi Baker.....			6

ASPARAGUS

officinalis L.....	2	4	6
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BRODIAEA (*ANDROSTEPHIUM*)

coerulea (Scheele) Macbride.....		4-5	7
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CAMASSIA

scilloides (Raf.) Cory (<i>Quamassia</i> Britt.).....	1	4-5	
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DASYLIRION			
leiophyllum Engelm.....			6
texanum Scheele Sotol		3-4-5-6	
Wheeleri S. Wats.....			6
ERYTHRIONUM			
albidum Nutt. Dogtooth Violet	1	4	7
var. coloratum Sterns.....		4	
HEMEROCALLIS			
fulva L.....	1-2	4	
HESPERALOE			
parviflora (Torr.) Coulter Red Flowered Yucca		3	5
var. Engelmanni (Krauskopf) Trel. Red Flowered Yucca ...		3	5
LILIUM			
carolinianum Michx. Carolina Lily	1		
MELANTHIUM			
virginicum L. Bunch Flower	1-2		
MILLA			
biflora Cav.....			6
NOLINA			
erumpens (Torr.) S. Wats.....			6
Lindheimeriana (Scheele) S. Wats. Ribbon Grass		4-5	
texana S. Wats. Bunch Grass, Sacahuiste		3-4-5-6-7	
NOTHOSCORDUM			
bivalve (L.) Britton Crow Poison	1-2-3-4-5-6-7		
POLYGONATUM			
biflorum (Walt.) Ell.....	1	4	
commutatum (R. & S.) Dietr. (<i>P. giganteum</i> Distr.).....	1	4	
SAMUELA			
carnerosana Trelease.....			6
Faxoniana Trelease.....			6
SCHOENOCAULON			
Drummondii A. Gray Green Lily		3-4-5-6	
SCHOENOLIRION (OXYTRIA)			
texanum (Scheele) A. Gray.....	1	4-5	
SMILACINA (VAGNERA, UNIFOLIUM)			
racemosa (L.) Desf.....	1		
SMILAX Green Brier			
Bona-nox L.....	1-2-3-4-5-6		
glauca Walt.....	1-2	4	
var. leucophylla Blake.....		1	
herbacea L.....		1	
hispida Muhl.....	1-2	4	
lanceolata L. (<i>S. cinnamomifolia</i> Small).....	1-2	4	
laurifolia L.....	1-2	4	
Pseudo-China L.....	1-2	4	7
pumila Walt.....	1-2		
renifolia Small.....	1-2-3		
rotundifolia L. (Incl. var. <i>quadrangularis</i> A. Gray).....	1-2	4	
STENANTHIUM			
robustum S. Wats.....	1		
TRILLIUM			
ludovicianum Harbison.....	1		
pusillum Michx.....	1		
YUCCA Palma			
aloifolia L.....		2	
arkansana Trel.....	1	4	
constricta Buckl.....		3-4-5-6-7	
elata Engelm.....		6	
glauca Nutt.....		4	7
louisianensis Trel. Early Yucca	1	4	
macrocarpa (Torr.) Coville.....			6
Reverchoni Trel.....		3	5
rostrata Engelm.....			6
rupicola Scheele Twistedleaf Yucca		3-4-5	

YUCCA—(Continued)

tenuistyla Trel.....	2-3-4	
Thompsoniana Trel.....		6
Treculeana Carr. Spanish Dagger	3	5-6
var. canaliculata (Hook.) Trel.....	3	

ZYGADENUS (*TOXICOSCORDION*)

elegans Parsh.....		6
Nuttallii A. Gray.....		4-5

31. DIOSCOREACEAE (Yam)

DIOSCOREA

villosa L. (<i>D. paniculata</i> Michx.) Wild Yam	1	
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32. AMARYLLIDACEAE (Amaryllis)

AGAVE (Including Manfreda)

americana L. Century Plant	3	
applanata Koch.....	3	6
asperrima Jacobi.....	3	
Havardiana Trel.....		6
heterocantha Zucc.....	3	5-6
lecheguilla Torr. Lechuguilla	3	5-6
maculosa Hook. (<i>A. maculata</i> Engelm.).....	3-4	
neomexicana Woot. & Standl.....		6
Parryi Engelm.....		6
tigrina (Engelm.) Cory.....	3-4	
variegata Jacobi Texas Tuberose	3	
virginica L.....	1	3-4 6

ALETRIS

aurea Walt.....	1-2	4
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COOPERIA (*White Rain Lily*)

Drummondii Herb.....	2-3-4-5	7
pedunculata Herb.....	1-2-3-4-5	
Traubii Hayward.....	3	

CRINUM

americanum L.....	1-2	
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HYMENOCALLIS (*Spider Lily*)

galvestonensis Baker.....	1-2	
occidentalis Kunth.....	1-2	

HYPOXIS

hirsuta (L) Coville (<i>H. erecta</i> L.).....	1-2-3-4	
leptocarpa Engelm. & Gray.....	2	
micrantha Pollard.....	1-2	
rigida Chapm.....	1-2	
sessilis L.....	1-2	

RUNYONIA

longiflora Rose.....	3	
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ZEPHYRANTHES (*ATAMOSCO*)

candida Lindl.....	2	
chrysantha Greenm. & Thompson.....	3	
erubescens S. Wats.....	3	
longifolia Hemsl. Plains Rain Lily		6-7
pulchella J. G. Smith.....	3	
texana Herb. Yellow Rain Lily	1-2-3-4	

33. IRIDACEAE (Iris)

BELAMCANDA

chinensis (L.) DC.....	1	
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CALYDOREA

texana (Herb.) Baker.....	2	
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HERBERTIA

caerulea Herb.....	2	
Drummondiana Herb.....	2-3-4	
Watsoni Baker.....	2-3-4	

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Agricultural & Mechanical College of Texas

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IRIS

fulva Ker (<i>I. cuprea</i> Pursh).....	1	
giganticaerulea Small.....	2	
hexagona Walt.....		4
virginica L. (<i>I. carolinianum</i> S. Wats.).....	1-2	

NEMASTYLIS

acuta (Bart.) Herb.....	1-2	4
coelestina (Bart.) Nutt.....	1-2	4
purpurea Herb.....	1	

SISYRINCHIUM **Blue-eyed Grass**

amoenum Bicknell.....	1	3-4
bellum S. Wats.....		4-5
biforme Bicknell.....		3
Brayi Bicknell.....	1-2	4
Bushii Bicknell.....	1	4
campestre Bicknell.....	2	4-5 7
Canbyi Bicknell.....	1	
colubriferum Bicknell.....	1	4
ensigerum Bicknell.....		4-5 7
exile Bicknell.....	2	
flaccidum Bicknell.....	1	4
furcatum Bicknell.....	1	3
gramineum W. Curtis (<i>S. graminoides</i> Bicknell).....	2	4-5 7
Helleri Bicknell.....	2-3	
Langloisii Greene.....	1	
longipedunculatum Bicknell.....		3 6
minus Engelm. & Gray.....	1-2	4
pruinatum Bicknell.....		4
sagittiferum Bicknell.....	1-2	
texanum Bicknell.....	1	4
Thurowii Coulter & Fisher.....	1-2	4
varians Bicknell.....	1	4

34. CANNACEAE (*Canna*)

CANNA

indica L.....	2-3
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35. MARANTACEAE (*Arrowroot*)

THALIA

dealbata Roscoe (<i>T. barbata</i> Small) Powdery Thalia	1-2 4
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36. BURMANNIACEAE

APTERIA

aphylla (Nutt.) Barnhart.....	1
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BURMANNIA

biflora L.....	1
capitata (Walt.) Mart.....	1

37. ORCHIDACEAE (*Orchis*)

BLEPHARIGLOTTIS

ciliaris (L.) Rydb. Yellow Fringed Orchis	1	
tricholepis (Torr.) Nash.....		6

CALOPOGON (*LIMODORUM* in part)

pulchellus (Sw.) R. Br. Grass Pink	1
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CORALLORHIZA **Coralroot**

maculata Ref. Large Coral Root	1	6
odontorrhiza (Willd.) Nutt. Late Coralroot	1-2	4
Wisteriana Conrad Western Coralroot	1	5

EPIPACTIS (*AMESIA*, *PERAMIUM*)

gigantea Dougl. (<i>Amesia gigantea</i> A. Nels. & Maebr.).....	2	4-5-6
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HABENARIA (<i>GYMNADENIA</i> , <i>GYMNADENIOPSIS</i>)			
<i>integra</i> (Nutt.) Spreng. (<i>H. flava</i> A. Gray).....	1-2		
<i>nivea</i> (Nutt.) Spreng.....	1-2		
<i>quinqueseta</i> (Michx.) Sw.....	1-2		
<i>repens</i> Nutt.....		4	
HEXALECTRIS			
<i>spicata</i> (Walt.) Bernh. Crested coral root	1-2-3		6
LIPARIS			
<i>Loeselii</i> (L.) Rich. Loesel Twayblade	1		
MICROSTYLIS (<i>MALAXIS</i> in part; <i>ACHROANTHES</i>)			
<i>monophyllus</i> (L.) Lindl. (<i>Malaxis brachypoda</i> Fernald).....	1		
<i>montana</i> Roth (<i>Acroanthes montana</i> Greene).....			6
<i>unifolia</i> (Michx.) B. S. P. (<i>Acroanthes unifolia</i> Raf.).....	1		
PHYSURUS			
<i>quercetifolia</i> Lindl.....	2		
POGONIA			
<i>ophioglossoides</i> (L.) Ker Rose Pogonia	1	4	
SPIRANTHES (<i>GYROSTACHYS</i> , <i>IBIDIUM</i>)			
<i>Beckii</i> Lindl. (<i>S. simplex</i> A. Gray) Little Ladiestresses	2		
<i>brevifolia</i> Chapm.....	1		
<i>cernua</i> (L.) Richard Nodding Ladiestresses	1-2		
<i>floridana</i> (Wherry) Cory (<i>Ibidium floridanum</i> Wherry).....	2		
<i>gracilis</i> (Bigel.) Beck Slender Ladiestresses	1-2	4-5-6	
<i>laciniata</i> (Small) Ames. (<i>Gyrostachys laciniata</i> Small).....	2	4	
<i>minutiflora</i> Rich. & Gal.....			6
<i>ochroleuca</i> Rydb.....		4	
<i>odorata</i> (Nutt.) Lindl.....	2		
<i>ovalis</i> Lindl. (<i>Gyrostachys parviflora</i> Small).....	1		
<i>praecox</i> (Walt.) S. Wats. & Coulter Grassleaf Ladytress	1-2		
<i>saltensis</i> Ames.....			6
<i>vernalis</i> Engelm. & Gray (<i>Gyrostachys xyridifolia</i> Small).....	1	4	
<i>Reverchonii</i> (Small) Cory (<i>Gyrostachys Reverchonii</i> Small).....	1	4	
STENORRHYNCHUS			
<i>cinnabarinus</i> Lindl. (<i>Spiranthes cinnabarina</i> S. Wats.).....			6
TIPULARIA			
<i>discolor</i> (Pursh) Nutt (<i>T. unifolia</i> B. S. P.) Canefly Orchis	1-2		

38. SAURURACEAE (Lizardtail)

ANEMOPSIS			
<i>californica</i> Hook. & Arn.....			6-7
TIPULARIA			
<i>cernuus</i> L. Lizardtail.....	1-2	4	

39. SALICACEAE (Willow)

POPULUS (Cottonwood)			
<i>acuminata</i> Rydb.....			7
<i>angustifolia</i> James.....			6
<i>deltoides</i> Marsh,			
var. <i>virginiana</i> (Foug.) Sudw.....	1-2-3-4		
<i>Palmeri</i> Sarg.....			5
<i>Sargentii</i> Dode (<i>P. deltoides</i>) <i>occidentalis</i> Rydb.....			7
<i>texana</i> Sarg.....			7
<i>tremuloides</i> Michx.,			
var. <i>aurea</i> (Tidest.) Daniels Aspen Popple			6
<i>Wislizeni</i> (S. Wats.) Sarg.....			6
SALIX (Willows)			
<i>amygdaloides</i> Anderss.....			7
var. <i>Wrightii</i> (Anderss.) C. Schn.....			6
<i>exigua</i> Nutt.,			
var. <i>stenophylla</i> (Rydb.) Schn.....			5-6
<i>Goodingii</i> Ball.....			6
<i>humilis</i> Marsh.....		3-4	

SALIX—(Continued)

interior Rowlee (<i>S. longifolia</i> Muhl.).....	1-2-3-4-5	7
var. angustissima (Anderss.) Dayton.....		7
longpipes Anderss.....	1	
nigra Marsh.....		4 7
var. altissima Sarg.....	1-2	
var. falcata Torr.....		3-4-5-6-7
taxifolia H. B. K.....		6

40. GARRYACEAE (Garrya)

GARRYA

Lindheimeri Torr.....		4-5
ovata Benth.....		5-6
Wrightii Torr.....		6

41. MYRICACEAE (Sweet Gale)

MYRICA

cerifera L. (<i>M. carolinensis</i> Mill.) Wax Myrtle.....	1-2	4
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42. LEITNERIACEAE (Corkwood)

LEITNERIA

floridana Chapm. Corkwood.....		2-4
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43. JUGLANDACEAE (Walnut)

CARYA (*HICORIA*)

alba (L.) K. Koch.....	1	4
var. subcoriacea Sarg.....		3
aquatica (Michx. f.) Nutt.....	1	4
Buckleyi Durand.....	1-2-3-4-5	
cordiformis (Wang.) K. Koch (<i>Hicoria minima</i> Britton).....	1-2	4
glabra (Mill.) Spach. (<i>C. porcina</i> Nutt.).....	1-2	4
var. villosa (Sarg.) Robinson (<i>Hicoria villosa</i> Ashe).....	2	
laciniosa (Michx. f.) Nutt. (<i>C. sulcata</i> Nutt.).....	1	
leiodermis Sarg.....	1	
myristicaeformis (Michx. f.) Nutt.....	1	4
ovata (Mill.) K. Koch.....	1	
Pecan (Marsh.) Engl. & Graebn.....	2	4-5 7
texana (Le Conte) C. DC.....	1-2	

JUGLANS

major (Torr.) Heller.....		5 7
nigra L. Black Walnut.....	1	4
rupestris Engelm. River Walnut.....	1	5-6-7

44. BETULACEAE (Birch)

ALNUS

rugosa (Du Roi) Spreng. (<i>A. serrulata</i> Willd.) Alder.....	1	4
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BETULA

nigra L. River Birch.....	1	
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CARPINUS

caroliniana Walt. Hornbeam.....	1-2	
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OSTRYA

Baileyi Rose.....		6
virginiana (Mill.) K. Koch,		
var. lasia Fernald Hop-hornbeam.....	1-2	4

45. FAGACEAE (Beech)

CASTANEA

alnifolia Nutt. (<i>C. nana</i> Muhl.).....	1-2	
Ashei Sudworth (<i>C. Margaretta</i> Ashe).....	1-2	
floridana (Sarg.) Ashe.....	1-2	
pumila (L.) Mill. Chinquapin.....	1	

FAGUS

grandifolia Ehrh.,		
var. caroliniana (Loud.) Fern. & Rehder Beech.....	1-2	4

QUERCUS

alba L. White Oak	1-2	4	
Brayi Small Brays Oak			5
breviloba (Torr.) Sarg. White Oak Shinnery			4-5-6
Canbyi Trel. Canby's Oak			6
cinerea Michx. Sand Jack	1-2	4-5	7
var. dentato-lobata A. D.C.....	1		
Drummondii Liebm. Drummond's Post Oak		4	
Durandii Buckl. Durand's White Oak	1-2	4	
Emoryi Torr. Emory's Black Oak			6
Fendleri Liebm. Plains Shinnery			7
Gravesii Sudw. (<i>Q. texana chisoensis</i> Sarg.) Chisos Red Oak			6
grisea Liebm. Mountain White Oak			6
Havardii Rydb. Havard's Shinnery			6-7
hypoleuca Engelm. Silver Oak			6
intricata Trelease Dwarf Oak			6
Laceyi Small Lacey's Oak		4-5	
laurifolia Michx. Laurelleaf Oak	1-2	4	
lyrata Walt. Overcup Oak	1-2	4	
macrocarpa Michx. Bur Oak	1-2	4-5	7
Margaretta Ashe Margarett's Post Oak	1-2	4	
marylandica Muench Black Jack	2	4-5	7
var. Ashei Sudw.....	1		
Mohriana Buckl. Mohr's Shinnery			5-6-7
Muhlenbergii Engelm. Swamp Chestnut Oak			4-5-6
myrtifolia Willd. Myrtleleaf Oak	2-3		
nigra L. Water Oak	1-2-3-4		
var. tridentifera Sarg.....	2		
novomexicana Rydb. New Mexican Shinnery			6-7
oblongifolia Torr.....			5-6
obtusa Ashe.....	1		
var. obovatifolia (Sarg.) Sudworth.....	1		
obtusifolia Rydb.....	1		
Phellos L. Willowleaf Oak	1-2	4	
prinoides L. Small Chestnut Oak	1-2		
Prinus L. Chestnut Oak	1-2	4	
pungens (Engelm.) Liebm.....			6
reticulata H.B.K.....			6
rubra L. Red Oak	1-2	4	
var. digitata Sudw.....	1	4	
var. leucophylla Ashe.....	1	4	
var. pagodaefolia (Elliott) Ashe.....	1	4	
var. triloba (Michx.) Ashe.....	1	4	
Shumardii Buckl. Shumard's Red Oak	2	4-5	
var. Schneckii (Britton) Sarg.....	1-2	4	
stellata Wang. (<i>Q. minor</i> Sarg.).....	1-2-3-4-5		7
var. anomala Sarg.....			7
var. araniosa Sarg.....			7
var. parviloba Sarg.....	2		
var. rufescens Sarg.....			7
stellipila (Sarg.) Parks ex Cory.....			6
texana Buckl.....	2	4-5-6	
undulata Torr.....			6
var. Vaseyana Rydb.....			6
velutina Lamarck.....	1-2	4	
virginiana Miller.....	1-2-3-4-5-6-7		
var. macrophylla Sarg.....		3	

46. ULMACEAE (Elm)

CELTIS

Douglasii Planch.....			6
Iguanaea (Jacq.) Sarg. (<i>Momisia aculeata</i> Kl.).....		3	
laevigata Willd. (<i>C. mississippiensis</i> Bosc.).....	1-2-3-4		
var. brachyphylla Sarg.....		5	7
var. Smallii (Beadle) Sarg.....	1-2		
var. texana (Scheele) Sarg.....	1-2-3-4-5		7
Lindheimeri Koch (<i>C. Helleri</i> Small).....		3-4-5	
occidentalis L.,			
var. crassifolia (Lam.) A. Gray.....	1-2	4	7
pallida Torr. Granjeno		3-4	6
reticulata Torr.....		3-4-5-6-7	

PLANERA

aquatica (Walt.) Gmel.....	1-2	4	
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ULMUS

alata Michx. Winged Elm		2-3-4	
americana L. American Elm	1-2	4-5	
crassifolia Nutt. Cedar Elm		2-3-4-5	
fulva Michx. Slippery Elm		2	4-5

47. MORACEAE (Mulberry)

BROUSSONETIA (*PAPYRIUS*)

papyrifera (L.) Vent. Paper Mulberry		3-4	
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MACLURA (*TOXYLON*, *IOXYLON*)

pomifera (Raf.) Schneider Bois de arc	1-2	4	
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MORUS

alba L. Russian Mulberry		4-5	
microphylla Buckl. Mountain Mulberry		4-5-6	
nigra L. Black Mulberry		3	
rubra L. Red Mulberry	1-2	4-5	

48. URTICACEAE (Nettle)

BOEHMERIA

austrina Small.....		4-5-6	
cylindrica (L.) Willd. False Nettle	2-3		
var. Drummondiana Weddell (<i>B. scabra</i> Small).....		5	
nivea (L.) Gaud.....	2		

PARIETARIA **Pellitory**

floridana Nutt. (<i>P. debilis</i> of Am. authors).....	1-2-3		
obtusa Rydb.....		3-4-5	7
pennsylvanica Muhl.....	1	4	

PILEA

pumila (L.) A. Gray, var. Deamii (Lunell) Fernald.....	1	4	
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URTICA

Breweri S. Wats.....			6
chamaedryoides Pursh Low Spring Nettle	2-3-4-5		
dioica L.....		3	
gracienta Greene Tall Nettle			6-7
procera Muhl. (<i>U. gracilis</i> of authors).....	1	4	
urens L.....	2-3		6

49. SANTALACEAE (Sandalwood)

COMANDRA

pallida A. DC.....			7
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50. LORANTHACEAE (Mistletoe)

ARCEUTHOBIUM

vaginatum Eichler.....			6
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PHORADENDRON

Bolleanum (Seem.) Eichler.....		6
californicum Nutt.....	3	
capitellatum Torr.....		5-6
Cockerellii Trel.....		6
Coryae Trel.....		6
Engelmanni Trel.....	3	5-6
flavescens (Pursh) Nutt. American Mistletoe	1-2-3-4-5	7
Havardianum Trel.....		6
juniperinum Engelm. Cedar Mistletoe		5-6
macrophyllum (Engelm.) Cockerell.....		6
orbiculatum Engelm.....	3	5-6
tomentosum (DC.) Oliver.....		6

51. ARISTOLOCHIACEAE (Birthwort)

ARISTOLOCHIA

brevipes Benth.....		6
var. acuminata S. Wats. (<i>A. Watsoni</i> Woot. & Standl.).....		5-6
hastata Nutt. Nash Snake Root	1	
longiflora Engelm. & Gray Swanflower		3-4
reticulata Nutt.....	1-2	
Serpentaria L. Virginia Snake Root		2
tomentosa Sims Woolly Pipevine	1-2	

52. POLYGONACEAE (Buckwheat)

BRUNNICHIA

cirrhusa Banks Eardrop Vine	1-2	4
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ERIOGONUM (Wild Buckwheat)

Abertianum Torr.....		6
alatum Torr.....		7
annuum Nutt.....		4-5-6-7
cernuum Nutt.....		6
coriaceum Coulter & Fisher (<i>E. texanum</i> Coult. & Fisher).....		6-7
Havardii S. Wats.....		6
hieracifolium Benth.....		6
forma atropurpureum Standl.....		6
lachnogynum Torr.....		7
longifolium Nutt.....	1-2	4-5-6-7
multiflorum Benth.....	1-2-3-4	7
Nealleyi Coulter.....		6
pannosum Woot. & Standl.....		6
pinetorum Greene.....		6
polycladon Benth.....		6
racemosum Nutt.....		6
rotundifolium Benth.....		6
suffruticosum S. Wats.....		6
tenellum Torr.....	3	6
var. caulescens T. & G. (<i>E. platyphyllum</i> Torr.).....	4	6
triste S. Wats.....		6-7
Jamesii Benth.....		6-7
Wrightii Torr.....		6

OXYRIA

digyna (L.) Hill Mountain Sorrel		6
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POLYGONELLA (GONOPYRUM)

americana (Fisch. & Mey.) Small Jointweed	2-3-4	
articulata (L.) Meisn. Coast Jointweed	1	4

POLYGONUM (PERSICARIA, TINARIA, TOVARA, TRACALON, etc.)

amphibium L. Water Persicaria	3	5-6
ariifolium L. Halbardleaf Tear Thumb	1	
aviculare L. Knotgrass	2	4 6
Beyrichianum (Cham. & Schlecht.) Small.....	1	
bistortoides Pursh.....		6

POLYGONUM—(Continued)

buxiforme Small Shore Knotweed			6
camporum Meisn.....		3	
Convolvulus L. Corn Bindweed	2	4	
cristatum Engelm. & Gray.....	1	4	
densiflorum Meisn. (<i>P. portoricensis</i> Bertero).....		3	
dumetorum L.....	1	4	
hirsutum Walt.....		4	
Hydropiper L. Water Pepper	2		
hydropiperoides Michx. (<i>P. opelousanum</i> Riddell).....	1-2-3-4		
incarnatum Ell.....	2	4	
lacerum H. B. K.....			6-7
lapathifolium L. Smartweed	2	4-5	
latum Small.....		4	
longistylum Small Longstyled Persicaria	3-4		
mexicanum Small.....		3	
mississippiense Stanford.....	1		
Muhlenbergii (Meisn.) S. Wats. (<i>P. emersum</i> Britton).....			4-5-6
neglectum Besser Narrowleaf Knotweed	2	4	
orientale L. Princess Feather	2	4	
pennsylvanicum L. Persicaria		4	
Persicaria L. Lady's Thumb		3-4	
persicarioides H.B.K. Southwest Persicaria	2	5	
punctatum Ell. (<i>P. acre</i> H. B. K., not Lam.) Water Smartweed	2	5-6	
ramosissimum Michx. Bush Knotweed	1	4-5	7
sagittatum L. Arrowleaf Tear Thumb		4-5	
scandens L. Vine False Buckwheat	1	4	
setaceum Baldw. Bristle Persicaria	1		
tenue Michx. Slender Knotweed	2		
virginianum L. Knotweed	2	4	

RUMEX

acetosella L. Sheep Sorrel	2-3-4		
altissimus Wood Peachleaf Dock	2	4-5	
Berlandieri Meisn. (<i>R. Langloisii</i> Small).....		3-4	
crispus L. Curlyleaf Dock		3-4-5-6-7	
ha statulus Baldw. Engelmann's Dock	1-2-3-4		
hymenosepalus Torr. Canaille		3-4-5-6-7	
mexicanus Meisn. (<i>R. salicifolius</i> of authors).....	2-3-4	6-7	
obtusifolius L. Bitter Dock	1-2	4	
occidentalis S. Wats.....			6-7
pulcher L. Fiddle Dock	2		
var. hirtus Gren. & Godr.....	2		
spiralis Small.....		4	
verticillatus L. Swamp Dock	1-2	4	

53. CHENOPODIACEAE (Goosefoot)

ALLENROLFEA

occidentalis (S. Wats.) Kuntze.....			6
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ATRIPLEX

acanthocarpa (Torr.) S. Wats.....	3	6	
arenaria Nutt.....	2-3-4		
canescens (Pursh) Nutt. (<i>A. Nuttallii</i> Coulter) Chamiza	3	5-6-7	
elegans (Moq.) Dietr. (<i>A. radiata</i> Coulter, not D. Dietr.).....		6	
expansa S. Wats. (<i>A. argentea</i> Coulter, not Nutt.).....		5-6	
hastata L.....	2-3		
matamorensis A. Nels. (<i>A. oppositifolia</i> S. Watson, not Vil.).....	2-3	5-6	
obovata Moq. (<i>A. Greggii</i> S. Wats.).....		5-6	
pentandra (Jacq.) Standl.....	2-3		
rosea L.....		6	
semibaccata R. Br.....		6	
texana S. Wats. (<i>A. tuberculata</i> Coulter).....	3	5	
Wardii Standl.....	2		

CHENOPODIUM

albescens Small.....	4-5	
album L. Lambsquarters	3-4	6-7
forma viride (L.) Aellen (<i>C. viride</i> L.).....	1	
ambrosioides L. (<i>C. anthelminticum</i> L.) Wormseed	2-3-4-5	7
Berlandieri Moq. (<i>C. texanum</i> Murr.; <i>C. Boscianum</i> Moq.).....	3-4-5	7
Botrys L. Jerusalem Oak	5	
capitatum (L.) S. Wats. Strawberry Blite		6-7
carinatum R. Br.....	1	
desiccatum A. Nels.....		7
Fremontii S. Wats.....		6
gigantospermum Aellen (<i>C. hybridum</i> of authors, not L.).....	4-5	
graveolens Lag. & Rodr. (<i>C. incisum</i> Poir.).....		6
inamoenum Standl.....		6
incanum (S. Wats.) Heller Mealy Goosefoot		6-7
leptophyllum Nutt. Narrowleaf Goosefoot	4	6-7
murale L. Nettleleaf Goosefoot	2-3-4-5-6	
paganum Reichenb. (<i>C. viride</i> Vahl, not L.).....	3	
pallescens Standl.....	4	7
rubrum L. Red Goosefoot		6-7
Standleyanum Aellen (<i>C. Boscianum</i> of authors, not Moq.).....	4	
Vulvaria L. Stinking Goosefoot	1	

CORISPERMUM

hyssopifolium L.....	3	
nitidum Kit.....	4	7

CYCLOLOMA

atriplicifolium (Spreng.) Coulter Plains Tumbleweed	4	7
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EUROTIA

lanata (Pursh) Moq. Winterfat		6-7
subspinosa Rydb.....		6

KOCHIA

scoparia (L.) Schrad.....	3-4	
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MONOLEPIS

Nuttalliana (Schultes) Greene Poverty Weed	4-5-6-7	
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SALICORNIA

Bigelovii Torr. (<i>S. mucronata</i> Bigel.) Glasswort	2-3	
europaea L. (<i>S. herbacea</i> L.).....	3	
perennis Mill. (<i>C. ambigua</i> Michx.) Bush Glasswort	2-3	

SALSOLA

Kali L., var. tenuifolia Meyer.....	2-3	
pestifer A. Nels.....	3	5-6-7

SUAEDA (Dondia)

depressa (Pursh) S. Wats.....		5-6-7
var. erecta S. Wats.....		7
fruticosa (L.) Forsk. (<i>Dondia Moquini</i> Torr.; <i>D. conferta</i> Small).....	3	6
linearis (Ell.) Moq. (Including var. <i>ramosa</i> S. Wats) Seepweed	2-3	
mexicana (Standl.) Standl.....	3	
nigra (Raf.) Macbride (<i>S. diffusa</i> S. Wats.).....		6-7
suffrutescens S. Wats.....		6
tampicensis (Standl.) Standl.....	3	

54. AMARANTHACEAE (Amaranth)

ACANTHOCHITON

Wrightii Torr.....	3	6
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ACNIDA

cuspidata Bertero.....	2	
tamariscina (Nutt.) Wood Waterhemp	2	4 7

ALTERNANTHERA (*ACYRANTHES*)

philoxeroides (Mart.) Griseb.....	2	
polygonoides (L.) R. Br.....	2	4
repens (L.) Kuntze.....	3-4-5-6	

AMARANTHUS

Berlandieri (Moq.) Uline & Bray.....	3	5-6
Bigelovii Uline & Bray.....	3	

AMARANTHUS—(Continued)

blitoides S. Wats. Prostrate Amaranth	4-5	7
cruentus L.....	1	
fimbriatus (Torr.) Benth.....		6
graecizans L. Tumbleweed (<i>A. albus</i> L.; <i>A. Blitum</i> Auct.).....	1-2-3-4-5-6-7	
Greggii S. Wats.....	2-3	
lybridus L. (<i>A. chlorostachys</i> Willd.) Spleen Amaranth	2-3-4-5	
obcordatus (A. Gray) Standl.....		6
Palmeri S. Wats. Palmer's Amaranth	2-3-4-5-6	
polygonoides L.....	1-2-3	
Powellii S. Wats. (<i>A. obovatus</i> S. Wats.).....	2-3	5-6
Pringlei S. Wats.....		6
retroflexus L. Careless Weed	2-3-4-5-6	7
scleropoides Uline & Bray.....		6
spinus L. Thorny Amaranth	1-2-3-4	
Torreyi (A. Gray) Benth. Torrey's Amaranth		6-7
viridis L. (<i>A. emarginatus</i> Salzm.).....	1-2	4
Wrightii S. Wats.....	3	6

CELOSIA

nitida Vahl. (<i>C. paniculata</i> of authors, not L.).....	3-4	
Palmeri S. Wats.....	3	

DICRAURUS

leptocladus Hook. f.....		6
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FRÖELICHIA

arizonica Thorner (<i>F. campestris</i> Small in part).....	3	5-6
Braunii Small (<i>F. floridana</i> Moq.; <i>F. texana</i> A. Br.).....		5-6
campestris Small.....	1-2-3-4	
Drummondii Moq. Snake Cotton	2-3-4-5	
gracilis (Hook) Moq. Slender Snake Cotton	3-4	6-7
interrupta (L.) Moq. (<i>F. texana</i> Coulter & Fisher).....		5

GOMPHRENA

caespitosa Torr.....		6
decumbens Jacq.....	2-3-4	
dispersa Standl.....	2-3	
Haageana K. (<i>G. tubifera</i> Torr.).....	3	5
Nealleyi Coulter & Fisher.....	3	
nitida Rothr.....		6

GOSSYPIANTHUS

lanuginosus (Poir) Moq. (<i>G. rigidiflorus</i> Hook.).....	3	5
Sheldoni (Uline & Bray) Small.....		7
tenuiflorus Hook.....	1	4

GUILLEMINEA

densa (Willd.) Moq.....		6
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IRESINE

Celosia L. (<i>C. paniculata</i> L.; <i>I. diffusa</i> Humb. & Bonpl.).....	2-3	6
heterophylla Standl. (<i>I. celosioides obtusifolia</i> Coult.).....		6
rhizomatosa Standl. (<i>I. celosioides</i> Michx., not L.).....	1	4

PHILOXERUS

vermicularis (L.) R. Br.....	2-3	
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TIDESTROMIA (CLADOTHRIX)

lanuginosa (Nutt.) Standl.....	3	5-6
var. carnosa (Steyermark) Cory.....		6
suffruticosa (Torr.) Standl.....		5-6

55. PHYTOLACCACEAE (Pokeweed)

AGDESTIS

clematidea Moc. & Sesse.....	3	
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PETIVERIA

alliacea L.....	3	
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PHAULOTHAMNUS

spinescens A. Gray Snake Eyes	3	
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PHYTOLACCA

americana L. (<i>P. decandra</i> L.) Poke.....	1-2-3-4-5-6-7	
rigida Small.....	1-2	

RIVINA

humilis L. (<i>R. laevis</i> ; <i>R. portulacoides</i> Nutt.) Pigeon Berry	2-3-4-5-6	
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56. BATIDACEAE (Batis)

BATIS	
maritima L.....	2-3

57. NYCTAGINACEAE (Four o'Clock)

ABRONIA	
angustifolia Greene (<i>A. Torreyi</i> Standl.).....	6
Carletoni Coulter & Fisher (<i>A. Nealleyi</i> Standl.).....	6-7
cycloptera A. Gray.....	3 5-6
fragrans Nutt. (<i>A. robusta</i> Standl.).....	6-7
texana Standl.....	7
CLEISANTHES	
acutifolia Standl.....	6
anisophylla A. Gray.....	3 5
crassifolia A. Gray.....	3-4-5
Greggii Standl.....	3
longiflora A. Gray Angel Trumpets	3-4-5-6
obtusata (Choisy) Standl. (<i>A. Berlandieri</i> A. Gray).....	3 5
Wrightii (A. Gray) Benth. & Hook.....	3-4-5-6
ALLIONIA (<i>WEDELIELLA</i>)	
Choisyi Standl. (<i>Wedeliella glabra</i> Cockerell).....	6-7
incarnata L.....	3-4-5-6
BOERHAAVIA	
anisophylla Torr.....	3 6
caribaea Jacq. (<i>B. viscosa</i> Lag. & Rodr.).....	3-4-5-6
erecta L.....	2-3-4-5-6
eriosolena A. Gray.....	6
gracillima Heimerl.....	6
intermedia M. E. Jones.....	6
leiosolena Torr.....	6
Lindheimeri Standl.....	6
linearifolia A. Gray.....	3 6
purpurascens A. Gray.....	6
tenuifolia A. Gray.....	[5-6-7
Torreyana (S. Wats.) Standl.....	6-7
Wrightii A. Gray (<i>B. bracteosa</i> A. Wats.).....	6
COMMICARPUS	
scandens (L.) Standl.....	6
CYPHOMERIS	
gypsophiloides (Mart. & Gal.) Standl.....	5-6-7
MIRABILIS (<i>OXYBAPHUS</i> : <i>ALLIONIA</i>)	
aggregata (Ort.) Cav. (<i>Oxybaphus aggregatus</i> Vahl).....	3 6-7
albida (Walt.) Heimerl.....	2 4
ciliata (Standl.) Standl. (<i>Allionia ciliata</i> Standl.).....	6
comata (Small) Standl. (<i>Allionia comata</i> Small).....	6
corymbosa Cav.....	6
gausapoides (Standl.) Standl.....	6
glabra (S. Wats.) Standl.....	6
Grayana (Standl.) Standl. (<i>All. nyctaginea latifolia</i>) Gray.....	6
hirsuta (Pursh) MacM.....	6
Jalapa L. Four o'Clock	2 4
var. Lindheimeri (Standl.) Cory.....	3-4-5
linearis (Pursh) Heimerl.....	3-4-5-6-7
longiflora L.....	6
multiflora (Torr.) A. Gray.....	3 5
nyctaginea (Michx.) MacMill.....	1-2-3-4-5
oxybaphoides A. Gray (<i>Allioniella</i>).....	6
pauciflora (Buckl.) Standl.....	4-5
Wrightiana A. Gray ex Britton & Kearney.....	6
NYCTAGINIA	
capitata Choisy.....	3-4-5-6

SELINOCARPUS

angustifolius Torr.....			6
chenopodioides A. Gray.....			6
diffusus A. Gray.....			6
lanceolatus (Torr.) Standl.....			6
parvifolius Wooton.....			6

58. ILLECEBRACEAE (Knotwort)

PARONYCHIA

chorizanthoides Small.....		3	
dichotoma L. Nutt.....			5
Drummondii T. & G.....	1-2		4-5
fastigiata (Raf.) Fernald	1		
Jamesii T. & G.....			5-6-7
Lindheimeri A. Gray.....			4-5
scoparia Small.....	1		4
sessiflora Nutt.....			6-7
setacea T. & G.....		5	
Wardii Rydb.....			7

59. AIZOCACEAE (Carpetweed)

MOLLUGO

Cerviana (L.) Seringe.....	2		4-5-6
lotoides (L.) C. B. Clarke (<i>Glinus lotoides</i> L.).....			4
radiata R. & S. (<i>M. Cambessidessi</i> Benth. & Hook.).....			6
verticillata L. Carpetweed	1-2-3-4		7

SESUVIUM

maritimum (Walt.) B.S.P.....	2		
Portulacastrum L. (<i>S. sessile</i> Pers.) Sea Purslane	2-3		
verrucosum Raf. (<i>S. sessile</i> B. L. Robins., not Pers.).....	3		6-7

TRIANTHEMA

Portulacastrum L.....	2		5-6
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60. CARYOPHYLLACEAE (Pink)

AGROSTEMMA

Githago L.....	2		4
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ARENARIA (*ALSINE*, *ALSINOPSIS*)

Benthamii Fenzl.....			3-4-5-6
lanuginosa (Michx.) Rohrb. (<i>A. alsinoides</i> Willd.).....	1		4-5
Nuttallii Pax (<i>Stellaria Nuttallii</i> T. & G.).....	1-2		4
patula Michx.....	2		4-5
stricta Michx., var. texana Robinson (<i>A. Michauxii</i> Hook. f.).....			5 7

CERASTIUM

brachypodum (Engelm.) Robinson.....	1		4-5-6
var. compactum Robinson.....	1		4
nutans Raf. (<i>C. longipedunculatum</i> Muhl.) Powder Horn	2		4-5
texanum Britton.....			4-5
viscosum L. Mouse Ear Chickweed	2		4
vulgatum L.....	2		4

DIANTHUS

prolifer L.....	2		
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DRYMARIA

gracilis Cham. & Schlecht.....			6
pachyphylla Woot. & Standl.....			6
sperguloides A. Gray.....			6

LOEFLINGIA

squarrosa Nutt.....			4-5
texana Hook.....			5 7

SAGINA

decumbens (Ell.) T. & G.....	2	4	7
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SAPONARIA			
officinalis L.....	2		
Vaccaria L.....		4	
SILENE			
antirrhina L. Sleepy Catchfly	2-3	4-5-6-7	
dichotoma Ehrh.....	1	4	
laciniata Cav., var. Greggii S. Wats.....			6-7
stellata (L.) Ait. f.....	2	4	
var. subciliata Robinson.....	1		
SPERGULA			
arvensis L.....		4	
SPERGULARIA (TISSA)			
diandra (Guss.) Boiss.....	2-3		
plattensis (Cambess.) Fenzl. (<i>Tissa gracilis</i> Britton).....	2		
salina J. & C. Presl. (<i>S. marina</i> Griseb.).....	2		
salsuginea (Bunge) Fenzl., var. bracteata Robins. (<i>Tissa bracteata</i> Small).....	1		
STELLARIA			
crassifolia Ehrh. Fleshy Stitchwort	2		
cuspidata Willd.....			6
media (L.) Cyrill. Chickweed	2	4-5	
prostrata Baldw. (<i>Alsine Baldwinii</i> Small).....	1-2-3		6

61. PORTULACACEAE (Purslane)

CLAYTONIA			
Bodini Holz.....	1-2		
Simsii Sweet (<i>C. virginica</i> Sims, not L.) White Texas Star.....	1-2	4-5	
PORTULACA			
lanceolata Engelm.....		3-4-5-6	
oleracea L. Pusley	1-2-3-4-5-6-7		
parvula A. Gray.....			6
phaeosperma Urban (<i>P. halimoides</i> A. Gray, not L.).....	2		
pilosa L. Hairy Portulaca	2	4-5-6	
retusa Engelm. Western Pusley	2	5-6	
suffrutescens Engelm. (<i>P. stelliformis</i> Moc. & Sesse).....			6
TALINOPSIS			
frutescens A. Gray.....	3	6	
TALINUM			
angustissimum (A. Gray) Woot. & Standl.....	3	5-6	
aurantiacum Engelm. (<i>T. lineare</i> of authors) Flame Flower	3-4-5-6		
brevifolium Torr.....			6
calycinum Engelm.....		4	7
paniculatum (Jacq.) Gaertn. (<i>T. reflexum</i> Cav.) Pink Baby Breath	2-3-4		6
parviflorum Nutt. Dwarf Flame Flower		4	6
pulchellum Wooton & Standley.....			6
teretifolium Pursh.....	2	4	

62. BASELLACEAE (Madeira Vine)

ANREDERA			
vescaria (Lam.) Gaertn f. ex Gaertn. (<i>A. scandens</i> Moq.) Texas Madeira Vine		3	
BOUSSINGAULTIA			
baselloides H.B.K. Gulf Madeira Vine	2		
leptostachya Moq.....		3	

63. CERATOPHYLLACEAE (Hornwort)

CERATOPHYLLUM			
demersum L.....	2	4	
var. echinatum A. Gray.....	2	4	

64. NYMPHAEACEAE (Waterlily)

BRASENIA			
Schreberi Gmel. (<i>B. purpurea</i> Casp.)	1-2	4	
CABOMBA			
caroliniana A. Gray	1	4	
NELUMBO			
lutea (Willd.) Pres. Lotus, Youquepin	1-2-3-4-5	7	
NUPHAR (<i>NYMPHAEA</i> in part)			
advenum (Ait.) Ait. f.	1-2-3-4		
microcarpum (Miller & Standl.) Standl. Yellow Pond Lily	3-4		
NYMPHAEA (<i>CASTALIA</i>)			
ampla DC.			6
elegans Hook. White Water Lily	2-3		
lekophylla (Small) Cory	1		
mexicana Zucc.		3	
odorata Ait.	2		

65. RANUNCULACEAE

ADONIS			
annua L.	1-2	4	
ANEMONE			
caroliniana Walt.	1-2	4	
decapetala Ard.		3-4-5	
ludoviciana Nutt. (<i>A. patens</i> Nuttalliana A. Gray)	1		7
sphenophylla Poepp.			6
AQUILEGIA			
australis Small.	1	4	
canadensis L. Common Columbine		4-5	
Chaplinei Standl.			6
chrysantha A. Gray			6
coccinea Small.		4	
longissima A. Gray Longspur Columbine			6
phoenicantha Cory Cory's Columbine		5	
thalictrifolia Rydb.			6
CLEMATIS (<i>VIORNIA</i>)			
alpina Mill.			6
crispa L. (<i>C. cylindrica</i> Sims)	1	3	5
var. Walteri (Pursh) A. Gray	1-2		
Drummondii T. & G. Texas Virgin Bower		3-4-5-6-7	
obliqua (Small) Schneid.	1-2		
Pitcheri T. & G. (<i>C. Simsi</i> of authors)		2-3-4-5	7
reticulata Walt.	2	4	6
subreticulata Harbison.	1		
texensis Buckl. (<i>C. coccinea</i> Engelm.)		3-4	
DELPHINIUM			
Ajaxis L.		2	4
carolinianum Walt. Blue Larkspur	1-2-3-4-5		
consolida L.	1	4-5-6-7	
macroceratitis Rydb.			5
vimineum D. Don.		3-4	
virescens Nutt. (<i>D. Penardi</i> of authors) White Larkspur	2-3-4-5-6-7		
var. Penardi (Huth) Perry		4-5	7
ISOPYRUM			
biternatum (Raf.) T. & G.	1		
MYOSURUS			
minimus L. Mousetail	2-3		7
RANUNCULUS			
cuneiformis Small.		4-5	
Cymbalaria Pursh.			6
fascicularis Muhl.	1-2	4-5	
var. apricus (Greene) Fernald.	1	4	
longirostris Godron.			6
macranthus Scheele Large Buttercup	2	4-5-6	

RANUNCULUS—(Continued)

muricatus L.....	1 2	4-5-6
oblongifolius Ell.....	1-2	4
parviflorus L.....	2	4
pusillus Poir.....	2	4
var. Lindheimeri (Engelm.) A. Gray.....	1-2-3-4	
repens L.....		3
septentrionalis Poir.....	1	
subrigidus Drew.....		6
tener C. Mohr.....	1-2	4

THALICTRUM

Fendleri Engelm.....		6
hypoglaucum Rydb.....	1	
revolutum DC. (<i>T. purpurascens</i> of authors).....	2	
texanum (A. Gray) Small.....	2	
Wrightii A. Gray.....		6

66. MAGNOLIACEAE (Magnolia)

MAGNOLIA

Ashei Weatherby Cucumber Tree	1-2	
grandiflora L. (<i>M. foetida</i> Aarg.) Magnolia	1-2	
virginiana L. (<i>M. glauca</i> L.) Sweet Bay	1-2	
var. australis Sarg.....	1-2	

67. ANONACEAE (Custardapple)

ASIMINA

parviflora (Michx.) Dunal.....	1	4
triloba (L.) Dunal Pawpaw	1	4

68. MENISPERMACEAE (Moonseed)

CALYCOCARPUM

Lyoni (Pursh) Nutt. Wild Sarsaparilla	1	
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COCCULUS

carolinus (L.) DC. Coral Berry	2-3-4-5-6	
diversifolius DC. Snail Seed	2-3	

69. BERBERIDACEAE (Barberry)

BERBERIS

haematocarpa Wooton.....		6
repens Lindl.....		6-7
Swazeyi Buckl.....		5 7
trifoliata Moric. Agrito		3-4-5-6-7

PODOPHYLLUM

peltatum L. Mayapple	1-2	4
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70. LAURACEAE (Laurel)

BENZOIN

aestivale (L.) Nees.....		4
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CASSYTHA

filiformis L.....		5
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PERSEA

Borbonia (L.) Spreng. (<i>P. carolinensis</i> Nees) Sweet Bay	1-2-3	
humilis Nash.....		3
palustris (Raf.) Sarg. (<i>P. pubescens</i> Sarg.).....		4

SASSAFRAS

albidum (Nutt.) Nees (<i>S. officinale</i> Nees. & Eberm.).....	1-2	4
var. molle (Raf.) Fernald.....	1-2	

71. PAPAVERACEAE (Poppy)

ARGEMONE (Prickly Poppy)

alba Lestib. White Poppy	2-3-4-5	7
hispida A. Gray.....	4	7
intermedia Sweet.....	2-3-4-5	7
mexicana L. Yellow Poppy	3	5
pinnatifida Norton (<i>A. delicatula</i> Small).....	3-4	7
platyceras Link & Otto.....	3-4-5-6	
sanguinea Greene Red Poppy	3-4-5-6	

ESCHSCHOLZIA (California Poppy)

mexicana Greene.....		6
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72. FUMARIACEAE (Fumitory)

CORYDALIS

aurea Willd. Golden Corydalis	2	4-5	7
campestris (Britton) Rydb.....	1		
crystallina Engelm.....	1	4	
curvisiliqua Engelm. Scrambled Eggs		3-4-5	
euchlamydea (Woot. & Standl.) Fedde.....			6
micrantha (Engelm.) A. Gray Small Flowered Corydalis	1	4	
montana Engelm.....		4-5-6-7	

FUMARIA

officinalis L.....	3		
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73. CRUCIFERAE (Mustard)

ARABIS

canadensis L.....	1	4	
petiolaris A. Gray Rock Cress		4-5	
runcinata S. Wats.....		3	
virginica (L.) Poir. (<i>A. ludoviciana</i> C. A. Meyer).....	1-2-3-4-5		

BRASSICA

alba (L.) Boiss.....		4-5	
arvensis (L.) Kuntze.....	2		
campestris L.....		3	
juncea (L.) Cosson.....		4-5	
nigra (L.) Koch.....		4	
rapa L.....	2		

CAKILE

americana Nutt.....		3	
edulenta (Bigel.) Hook.....		3	
geniculata (B. L. Robinson) Millsp. Salt Water Mustard	2-3		

CAMELINA

microcarpa Andrz.....			6
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CAPSELLA

Bursa-pastoris (L.) Medic. Shepherd's Purse	1	3-4-5	
pubens S. Wats.....			6

CARDAMINE

auriculata S. Wats.....			6
arenicola Britton.....	1	4	
bulbosa (Schreb.) B. S. P.....	2	4	
hirsuta L.....	2		
pennsylvanica Muhl.....		4	

CORONOPUS (*SENEBIERA*)

didymus (L.) J. E. Smith (<i>Senebiera pinnatifida</i> DC.).....	2		
procumbens Gilibert (<i>Senebiera Coronopus</i> Poir).....	2-3		

DESCURAINIA

andrenarum (Cockerell) Cory (<i>Sophia amdrenarum</i> Cockerell)...			7
halictorum (Cockll.) O. E. Schulz.....			6
intermedia (Rydb.) Daniels.....	1	3-4	7
multifoliata Cory (<i>Sophia millefolia</i> Rydb.).....		4	
pinnata (Walt.) Britton (<i>Sisymbrium canescens</i> Nutt.).....		3-4-5	7

DITHYRAEA

Wislizeni Engelm.....		6	
var. Griffithsii (Woot. & Standl.) Payson.....		6	
var. Palmeri Payson.....			7

DRABA

brachycarpa Nutt.....		4-5	
caroliniana Walt.....		4	
cuneifolia Nutt. Whitlow Grass	2	4-5-6-7	
var. Helleri (Small) O. E. Schulz.....	3		
var. leiocarpa O. E. Schulz.....	2	4	
petrophila Greene.....			6
platycarpa T. & G.....		4-5	
reptans (Lam.) Fern., (<i>carolinia</i> Walt.).....		4	7
var. micrantha (Nutt.) Fern. (<i>D. micrantha</i> Nutt.).....	1	4	7

DROYPETALON

runcinatum A. Gray.....			6
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ERUCA

sativa Mill. emend. Lam.....		3	
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ERYSIMUM (CHEIRINIA)

arkansanum Nutt. Wallflowers		4	
asperrimum (Greene) Rydb.....			6
asperum DC.....			6-7

IODANTHUS

pinnatifidus (Michx.) Steud.....		4	
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LEAVENWORTHIA

aurea Torr.....	1-2-3		
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LEPIDIDIUM (Pepper Grass)

austrinum Small (<i>L. lasiocarpum</i> , var. <i>tenuipes</i> S. Wats.).....		2-3-4-5	
densiflorum Schrad. (<i>L. apetalum</i> A. Gray, not Willd.).....	1	4-5	7
lasiocarpum Nutt.,			
var. rotundum C. L. Hitchc.....		3	
var. Wrightii (A. Gray) C. L. Hitchc.....		3	6
montanum Nutt.,			
var. alyssoides (A. Gray) M. E. Jones.....			7
var. angustifolium C. L. Hitchc.....			6-7
oblongum Small.....		4	7
ruderales L. (<i>L. texanum</i> Buckl.).....	1	4-5-6	
sordidum A. Gray.....			6
virginicum L.....		2-3	
var. medium (Greene) C. L. Hitchc.....			6-7
forma pusillum C. L. Hitchc.....	1-2-3-4-5		

LESQUERELLA (Bladder Pod)

argyrea (A. Gray) S. Wats.....		2-3-4-5	
aureolata (Engelm. & Gray) S. Wats.....	1	3-4	
densiflora (A. Gray) S. Wats.....		2-3-4-5	7
Engelmanni (A. Gray) S. Wats.....		4-5-6	
Fendleri (A. Gray) S. Wats.....		3	5-6-7
Gordonii (A. Gray) S. Wats.....			5-6-7
gracilis (Hook.) S. Wats. (<i>L. polyantha</i> Small).....		3-4-5	
var. repanda (Nutt.) Payson.....		4	
var. sessilis S. Wats.....		4-5	
grandiflora (Hooker) S. Wats.....		2-3-4-5	
lasiocarpa (Hooker) S. Wats.....		2-3-4-5	
var. Berlandieri (A. Gray) Payson.....		3	
lepidota Cory.....			6
Lindheimeri (A. Gray) S. Wats.....		2-3	
ovalifolia Rydb.....			7
pallida (T. & G.) S. Wats.....	1		
purpurea (A. Gray) S. Wats.....		3	6
recurvata (Engelm.) S. Wats.....	2	4-5	

LOBULARIA (ALYSSUM, KONIGA)

maritima (L.) Desv.....	1-2		
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NERISYRENIA (GREGGIA)

camporum (A. Gray) Greene.....		3	6
linearifolia (S. Wats.) Greene.....			6

RAPHANUS

Raphanistrum L. 3

RORIPPA (*RADICULA*, *NASTURIUM*)

Armoracia (L.) A. S. Hitchc. 2
 Nasturtium-aquaticum (L.) Schinz & Thell. **Watercress** 1-2-3-4-5-6-7
 obtusa (Nutt.) Britton 6
 var. sphaerocarpa (A. Gray) Cory 4
 palustris (L.) Greene 1
 var. ni pida (Desv.) Rydb. 1 4
 sessiliflora (Nutt.) A. S. Hitchc. 4
 sinuata (Nutt.) A. S. Hitchc. 1 4 7
 tanacetifolia (Hook. & Arn.) Heller 2-3
 Walteri (Ell.) Mohr 1-2-3-4 7

SELENIA

aperta (S. Wats.) Small 4 7
 aurea Nutt. 4 7
 dissecta Torr. 6
 Jonesii Cory 5

SISYMBRIUM (Incl. *Thelypodium* in part)

auriculatum A. Gray 6
 duffusum A. Gray 6
 Irio L. 5-6-7
 linearifolium (A. Gray) Payson 6
 officinale (L.) Scop. **Tansy Mustard** 4-5
 Vaseyi (Coulter) Payson (*Thely. Vaseyi* Coult. in part) 3-4

STANLEYA

integrifolia James 6
 pinnata (Pursh) Britton 7

STANLEYELLA

Wrightii (A. Gray) Rydb. 6

STREPTANTHUS

bracteatus A. Gray 3 5
 carinatus Wright 6
 hyacinthoides Hook. 4 7
 maculatus Nutt. 4 7
 platycarpus A. Gray 3-4-5-6
 validus (Greene) Cory 6

SYNTHLIPSIS

Greggii A. Gray 3

THELYPODIUM

micranthum (A. Gray) S. Wats. 6

THALASPI

alpestre L. 6

74. CAPPARIDACEAE (Caper)

CLEOME (*PERITOMA*, *PEDICELLARIA*)

gynandra L. (*Pedicellaria pentaphylla* Schrank) 2 4
 serrulata Pursh (*C. integrifolia* T. & G.) 7
 spinosa (L.) Jacq. (*C. pungens* Willd.) 2 4

CLEOMELLA

angustifolia Torr. 2 4 7
 longpipes Torr. 6

CRISTATELLA

erosa Nutt. 2-3-4 7
 Jamesii T. & G. 3 5 7

POLANISIA

trachysperma T. & G. 1-2-3-4-5-6
 uniglandulosa (Cav.) DC. 2 5 7

WISLIZENIA

refracta Engelm. **Spectacle Pod** 6

75. RESEDACEAE (Mignonette)

OLIGOMERIS

linifolia (Vahl) Macbr. (*O. subulata* Boiss.)..... 5-6

76. SARRACENIACEAE (Pitcherplant)

SARRACENIA

Sledgei MacFarlane **Pitcherplant**..... 1-2 4

77. DROSERACEAE (Sundew)

DROSERA (Sundew)

annua Reed..... 4
 brevifolia Pursh..... 2-3
 capillaris Poir..... 1
 intermedia Hayne..... 1
 rotundifolia L..... 1-2

78. PODOSTEMACEAE (Riverweed)

PODOSTEMUM

Ceratophyllum Michx..... 1-2

79. CRASSULACEAE (Orpine)

ECHVEVERIA

strictiflora A. Gray (*Cotyledon strictiflora* Baker)..... 6

PENTHORUM

sedoides L..... 1-2

SEDUM

Havardii Rose..... 6
 moranense H. B. K. (*S. Liebmannianum* Hemsl.)..... 6
 Nuttalianum Raf. (*S. Torreyi* Don) **Stone Crop**..... 1 3-4-5 7
 pulchellum Michx..... 1-2 4
 Robertsianum Alexander..... 6
 texanum J. G. Smith **Texas Sedum**..... 2-3
 Wrightii A. Gray..... 6

TILLÆA

aquatica L..... 1-2
 Drummondii T. & G..... 1-2 4-5

VILLADIA

squamulosa H.B.K..... 6

80. SAXIFRAGACEAE (Saxifrage)

DECUMARIA

barbata L..... 1 4

FENDLERA

rupicola A. Gray..... 5-6
 var. falcata (Thurber) Rehder..... 6
 Wrightii (A. Gray) Heller..... 6

FENDLERELLA

utahensis (S. Wats.) Heller..... 6

HEUCHERA

rubescens Torr.,
 var. glandulosa Kellogg..... 6

ITEA

virginica L..... 1

LEPUROPETALON

spathulatum (Muhl.) Ell..... 1-2

PARNASSIA

grandifolia DC..... 1

PHILADELPHUS

argenteus Rydb..... 6-7
 argyrocalyx Wooton..... 6
 microphyllus A. Gray..... 6
 serpyllifolius A. Gray..... 4-5-6

RIBES

curvatum Small.....	1		
Cynosbati L. (<i>R. gracile</i> Michx.).....	1	4	
leptanthum A. Gray.....			6
mescalerium Coville.....			6
odoratum Wendl. Golden Currant		4	7
texensis (Coville & Berger) Standl.....	1		
SAXIFRAGA (MICRANTHES)			
texana Buckl.....	1	4-5	
virginiensis Michx.....	1-2		

81. HAMAMELIDACEAE (Witch Hazel)

HAMAMELIS

vernalis Sarg.,			
forma carnea Rehder.....	1		
virginiana L. (<i>H. macrophylla</i> Pursh) Witch Hazel	1-2		
LIQUIDAMBAR			
Styraciflua L. Sweet Gum	1-2	4	

82. PLATANACEAE (Planetree)

PLATANUS

occidentalis L. Sycamore	1-2	4-5	
var. attenuata Sarg.....	2		
var. glabrata (Fernald) Sarg.....			5

83. ROSACEAE (Rose)

AGRIMONIA

microcarpa Wallr.....	1		
parviflora Ait.....	2		
AMELANCHIER (Serviceberry)			
canadensis (L.) Medic.....	1	4	
florida Lindl.....			6

CERCOCARPUS (Mountain Mahogany)

argenteus Rydb.....			7
breviflorus A. Gray.....			5-6
montanus Raf. (<i>C. parvifolius</i> Nutt.).....			6
paucidentatus (S. Wats.) Britton.....			6

COWANIA (Quinine Bush)

ericaefolia Torr.....			6
Havardi S. Wats.....			6

CRATAEGUS (Red Haw)

abbreviata Sarg.....	2	4	
anamesa Sarg.....	2		
antemima Sarg.....	2		
antiplasta Sarg.....	2	4	
Berlandieri Sarg.....	2	4	
blanda Sarg.....		4	
brachyantha Sarg. & Engelm.....	1	4	
brachyphylla Sarg.....	1		
brazoria Sarg.....	2	4	
Bushii Sarg.....	2		
cherokeensis Sarg.....	1-2	4	
dallasiana Sarg.....	1-2	4	
desertorum Sarg.....		3	
edita Sarg.....	1		
glabriuscula Sarg.....		4-5	
Greggiana Eggleston.....			5
hispidula Sarg.....	1		
invisa Sarg.....	1		
limaria Sarg. (<i>C. Mackensenii</i> Sarg.).....			4
Marshallia Eggleston (<i>C. apiifolia</i> Michx.) Parsley Haw	1-2	4	
opaca Hook. Western May Haw B. F.....	1-2	4	

CRATAEGUS—(Continued)

Palmeri Sarg.....		4	
poliophylla Sarg.....	2	4	
quercina Ashe.....	2	4	
Reverchonii Sarg.....			5
spathulata Michx.....	1-2	4-5	
stenosepala Sarg.....		4	
sublobulata Sarg.....	1		
sutherlandensis Sarg.....		4	
var. spinescens Sarg.....		4	
texana Buckl.....		2-3-4-5	
Tracyi Ashe (<i>C. montegava</i> Sarg.).....			6
triantophora Sarg.....	1		
triumphalis Sarg.....	1		
uniqua Sarg.....	1		
uvaldensis Sarg.....			5
velutina Sarg.....	1-2		
viburnifolia Sarg.....	1-2		
viridis L. (<i>arborescens</i> El.) Green Haw	1-2	4	
Warneri Sarg.....	1	4	

FALLUGIA

paradoxa (D. Don) Endl. Ponil, Apache Plume			5-6-7
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GEUM

camporum Rydb.....	1		
canadense Jacq. (<i>C. album</i> J. F. Gmelin) White Avens	1	4-5	
vernum (Raf.) T. & G.....	1	4	

GILLENIA

stipulata (Muhl.) Trel. American Ipecac	1		
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HOLODISCUS (*SERICOTHECA*)

dumosus (Nutt.) Heller.....			6
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PETROPHYTUM

caespitosem (Nutt.) Rydb.....			6
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PHYSOCARPUS

monogynus (Torr.) Coulter (<i>Neillia Torrey</i> S. Wat.).....			6
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POTENTILLA

monspeiensis L.....		3	
paradoxa Nutt. (<i>P. supina</i> Michx., not L.).....			6
simplex Michx. (<i>P. canadensis</i> of authors, not L.).....	1		

POTERIDIUM

annum (Nutt.) Spach Annual Burnet	1	4	
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PRUNUS

americana Marsh Wild Plum	2	5	
var. lanata Sudw.....	1-2		
var. mollis T. & G.....		3	5
angustifolia Marsh Chicksaw Plum	1		
var. varians Wight & Hedr.....		4	7
var. Watsoni Waugh.....			7
caroliniana (Mill.) Ait. Wild Peach	1-2		
eximia Small Escarpment Cherry		3	5
fasciculata (Torr.) A. Gray.....			6
gracilis (Engelm. & Gray) (<i>P. normalis</i> Small).....			7
Havardii Wight.....			6
hortulana Bailey.....	1		
mexicana S. Wats. Mexican Plum	1	4	
minutiflora Engelm.....		4-5	
Munsoniana Wight & Hedr.....		4	
Murrayana Palmer.....			6
Persica (L.) Sieb. & Zucc. (<i>Amygdalus Persica</i> L.).....	1-2	4	
Reverchonii Sarg.....		4-5	
rivularis Scheele.....		5	
serotina Ehrh. Wild Black Cherry	1-2	4	
texana A. Dietr. (<i>P. glandulosa</i> of authors, not Thunb.).....		3-4-5	
umbellata Ell.....	1-2		
var. tarda (Sarg.) Wight.....	1	4-5	
virens (Woot. & Standl.) Shreve Chisos Wild Cherry			6
virginiana L. (<i>P. nana</i> DuRoi, not Stokes).....	1-2		

PYRUS

arbutifolia (L.) L. f.,			
var. macrophylla Hook. (<i>Aronia</i> Ell.)	1		
var. atropurpurea (Britton) Robinson	1-2		
communis L.	1		
coronaria L.	1		
ioensis (Wood) Bailey,			
var. texana (Rehder) Bailey		4-5	

ROSA

bracteata Wendl. McCartney's Rose	1-2	4-5	
carolina L. (<i>R. humilis</i> Marsh)	1-2	4	
var. glandulosa (Crepin) Farwell (<i>R. serrulata</i> Raf.)	1		
Demareei Palmer			6
eglanteria L. (<i>R. rubiginosa</i> L.)	2		
foliolosa Nutt.	1	4	7
laevigata Michx. (<i>R. cherokeensis</i> Don) Cherokee Rose	2	4	
Lyoni Pursh	1		
Macounii Greene			7
micrantha Borrer	1		
Palmeri Rydb.	1		
setigera Michx.,			
var. tomentosa T. & G. (<i>R. rubifolia</i> R. Br.)	1		
subserulata Rydb.	1		
suffulta Greene (<i>R. pratincola</i> Greene)		4	7
stellata Wooton			6
tomentosa Smith	1		
Woodsii I indl.,			
var. Fendleri (Crepin) Rydb.			6

RUBUS

flagellaris Willd. (<i>R. aboriginum</i> Rydb.; <i>R. subuniiflorus</i>)	1-2	4	
var. alnus Bailey		4	
lucidus Rydb.		4	
persistens Rydb.	1		
trivialis Michx. (<i>R. carpinifolius</i> Rydb.; <i>R. continentalis</i>)	1-2-3-4-5		
velox Bailey		5	

VAUQUELINIA

angustifolia Rydb.			6
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84. LEGUMINOSAE (Pea)

ACACIA

amentacea D.C. Black Brush		3-4-5-6-7	
angustissima (Mill) Kuntze (<i>A. filicioides</i> Trel.)		3-4-5-6-7	
var. hirta (Nutt.) Robinson		3-4	6
Berlandieri Benth. Guajillo		3	5-6
constricta Benth.		3	6-7
cuspidata Schlecht.			6
densiflora (Alexander) Cory	2		
Emoryana Benth.		3	5
Farnesiana (L.) Willd. Huisache	1-2-3-4-5-6		
Greggii A. Gray Catsclaw		3-4-5-6-7	
melacophylla Benth. Vine Catsclaw		3	
var. glabrata Benth.		3	
Roemeriana Scheele Round Flowered Catsclaw		3-4-5-6	
Schottii Torr.			6
tortuosa (L.) Willd. Huisachillo		3-4	6
vernica Standl.			6
Wrightii Benth. Tree Catsclaw		3	5-6-7

AESCHYNOMENE

virginica (L.) B.S.P.		2	
viscidula Michx.	1	3-4-5	

AMPHICARPA (*FALCATA*)

bracteata (L.) Fernald,			
var. comosa (L.) Fernald (<i>A. falcata</i> Small)	1	3-4	

AMORPHA

canescens (Nutt.) Pursh Lead Plant	1	4	7
var. glabrata A. Gray.....		4	
fruticosa L.,			
var. angustifolia Pursh (<i>A. fragrans</i> Sweet).....		3-4-5-6-7	
laevigata Nutt.....	1-2	4	
occidentalis Abrams.....		4-5-6	
paniculata T. & G.....	1-2	4	
texana Buckl.....		4-5	
var. glabrescens Palmer.....		4-5	

APIOS

americana Med. (<i>A. tuberosa</i> Moench).....	1	4-5	
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ASTRAGALUS

amphioxys A. Gray.....		4	7
argillophilus Cory.....		5	
austrinus (Small) E. D. Schulz.....		3-4-5	7
Bigelovii A. Gray.....			6
brazoriensis Buckl.....		3-4	
canadensis L.....	1-2	4	
crassicaulus Nutt.....		4-5-6-7	
cyaneus A. Gray.....			7
davisianus Greene (<i>Hamosa davisiana</i> Rydb.).....			6
distortus T. & G.....	1-2	4	
Earlei Greene Narrowleaf Loco			6
Emoryanus (Rydb.) Cory (<i>Hamosa Emoryana</i> Rydb.).....			6
Engelmanni Sheldon.....	1	4-5	
giganteus S. Wats. (<i>A. yaquianus</i> S. Wats.).....			6
Greenii A. Gray.....			7
leptocarpoides (M. E. Jones) Cory (<i>Hamosa</i> Rydb.).....	2		
leptocarpus T. & G. (<i>Hamosa leptocarpa</i> Rydb.).....	1	4-5	
Lindheimeri A. Gray (<i>Hamosa Lindheimeri</i> Rydb.).....		4-5	7
macilentus (Small) Cory (<i>Hamosa macilenta</i> Small).....		5	7
madrensis M. E. Jones.....			6
marcidus Greene.....			6
mexicanus A. DC.....		3-4-5	
var. trichocalyx (Nutt.) Fernald.....	1	4	
Microphacos Cory (<i>Microphacos parviflorus</i> Rydb.).....			7
missouriensis Nutt.....			7
mollissimus Torr.....		4	7
Nuttallianus DC.....	1	3-4-5-6-7	
obcordatus Ell.....	2		
plattensis Nutt.....	1	4-5	7
racemosus Pursh.....			7
reflexus T. & G.....		4	
Reverchoni A. Gray (<i>Phaca cretaceus</i> Buckl.).....		4	7
Tracyi (Rydb.) Cory (<i>Phaca Tracyi</i> Rydb.).....			6
Wootoni Sheldon.....			6
Wrightii A. Gray.....	2	4-5	

BAPTISIA (Wild Indigo)

australis (L.) R. Br. var. minor (Lehm.) Fernald.....	1		
Bushii Small.....	1-2		
cuneata Small.....		3	
laevicaulis (A. Gray) Small.....	1-2	4	
lanceolata Walt.....	1		
leucantha T. & G.....	1-2	4	
leucophaea Nutt.....	1-2	4	7
Nuttalliana Small.....	1-2-3-4		
sphaerocarpa Nutt.....	1-2	4	
vespertina Small.....	1		

BROGNIARTIA

minutifolia S. Wats.....			6
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CALLIANDRA

conferta Benth.....	3	6	
eriophylla Benth.....	3	6	
humilis (Schlecht.) Benth.....			6

CANAVALI	
lineata (Thunb.) DC.....	2
CASSIA	
*aristatella (Pennell) n. comb.....	3-4
bauhinioides A. Gray.....	3 5-6
cinerea Cham. & Schlecht.....	3
corymbosa Lam.....	2-3
durangensis Rose.....	6
fasciculata Michx.....	1 4-5
var. puberula (Greene) Macbride.....	2-3-4
robusta (Pollard) Macbride.....	3
Fisheri Cory (<i>Chamaecrista rostrata</i> Woot. & Standl.).....	7
Greenei Standl.....	4
leptadenia Greenm.....	6
leptocarpa Benth.....	6
Lindheimeriana Scheele.....	3-4-5-6
littoralis (Pollard) Cory.....	2
marilandica L.....	1-2-3
Medsgeri Shafer.....	1 3-4
mississippiensis Pollard (<i>Chamaecrista Tracyi</i> Pollard).....	1-2
nictitans L. (<i>C. procumbens</i> L.).....	5
occidentalis L. Coffee Senna	2-3-4
pumilio A. Gray.....	3 5-6-7
Roemeriana Scheele.....	4-5-6-7
texana Buckl.....	3-4-5
Tora L. Sickle Senna	1-2 4
Wislizeni A. Gray.....	6
CENTROSEMA (<i>BRADBURYA</i>)	
virginianum (L.) Benth.....	1-2 4
CERCIDIUM	
macrum Johnston (<i>C. floridum</i> of authors) Palo Verde.....	3
texanum A. Gray.....	3 6
CERCIS	
canadensis L. Eastern Redbud	1-2 4
occidentalis Torr. Mountain Redbud	5-6-7
CLITORIA	
mariana L. Butterfly Pea	1-2-3-4
ternatea L.....	3
COLOGANIA	
angustifolia Kunth.....	6
longifolia A. Gray.....	6
pulchella H.B.K.....	6
COURSETIA	
axillaris Coulter & Rose Baby Bonnets	3
CROTALARIA (Rattle Box)	
Purshii DC.....	2
sagittalis L.....	1-2-3-4
spectabilis Roth.....	1
DALEA (<i>PAROSELA</i>)	
alopucuroides Willd.....	3 6
argyraea A. Gray.....	3 5-6
aurea Nutt.....	1 3-4-5-6-7
enneandra Nutt. (<i>D. laxiflora</i> Pursh).....	1 4 7
formosa Torr.....	4-5-6-7
frutecens A. Gray.....	2-3-4-5-6
glaberrima S. Wats.....	6
Hallii A. Gray.....	4-5
Jamesii (Torr.) T. & G.....	7
lacnostachya A. Gray.....	6
lanata Spreng.....	7
lasianthera A. Gray.....	4-5-6-7

*Based on *Chamaecrista aristellatata* Pennell, Bull. Torr. Bot. Club. 44:342 (1917)

DALEA—(Continued)

laxa (Rydb.) Cory	5
longipila (B. L. Robinson) Cory (<i>D. mollis</i> of Coulter)	3 6
nana Torr.	1 3-4-5-6-7
neomexicana (A. Gray) Cory	3 6
pogonathera A. Gray	3-4-5-6
rubescens S. Wats.	5-6
scoparia A. Gray	6
terminalis M. E. Jones	6
thyrsiflora A. Gray (<i>P. humilis</i> Miller, not G. Don)	3
Wrightii A. Gray	5-6

DESMANTHUS

acuminatus Benth.	2-3-4-5-6
Cooleyi (Eaton) Rydb. (<i>Acacia Cooleyi</i> Eaton; <i>D. Jamesii</i>)	3 6-7
depressus H. B. K.	1-2-3
fallax (Small) K. Schum.	3 5
illinoensis (Michx.) MacMill. (<i>B. brachylobus</i> Benth.)	1-2 4-5-6-7
leptolobus T. & G. Prairie Mimosa	4 7
obtusus S. Wats.	4-5-6
reticulatus Benth.	3
velutinus Scheele	3-4-5-6

DESMODIUM (*MEIBOMIA*)

acuminatum (Michx.) DC.	1
bracteosum (Michx.) DC. (<i>grandiflorus</i> of authors, not DC.)	1
canescens (L.) DC.	1 4
Dillenii Darl.	1-2 4
Grahami A. Gray	6
illinoense A. Gray	1
laevigatum (Nutt.) DC.	1-2
Lindheimeri Vail	3
lineatum (Michx.) DC.	1
marilandicum (L.) DC.	1
neomexicanum A. Gray	6
nudiflorum (L.) DC.	1
obtusum (Muhl.) DC. (<i>D. ciliare</i> DC.)	1-2 4
paniculatum (L.) DC.	1-2 4-5
var. angustifolium T. & G. (<i>Meibomia Chapmanni</i> Small)	1-2
var. pubens T. & G.	1 4-5
pauciflorum (Nutt.) DC.	1
rigidum (Ell.) DC.	1-2
sessilifolium T. & G.	1-2 4-5
spirale DC.	6
strictum DC.	1-2
Tweedyi Britton	5 7
viridiflorum (L.) Beck.	1
Wrightii A. Gray	4-5-6

ERYTHRINA

arborea (Chapm.) Small	2-3
herbacea L. Coral Bean	1-2-3-4

EYSENHARDTIA

angustifolia Pennell	6
texana Scheele Rock Brush	3-4-5-6

GALACTIA

canescens (Scheele) Benth.	3-4-5
Grayi Vail	3-4
marginalis Benth. (<i>G. heterophylla</i> Vail not A. Gray)	2-3-4
regularis (L.) B.S.P.	2 4
texana A. Gray	4 6
volubilis (L.) Britton	2-3-4-5
var. intermedia Vail	1 4
var. mississippiensis Vail	1
Wrightii A. Gray (<i>G. tephrodes</i> A. Gray)	6

GLEDITSIA

aquatica Marsh Water Locust	1-2 4
texana Sarg. Texas Locust	2 4
triacanthos L. Honey Locust	1-2 4 7

GLYCORHIZA

lepidota Nutt. Licorice	4	6-7
HOFFMANSEGGIA		
brachycarpa A. Gray.....		5
caudata A. Gray.....	3	
densiflora Benth. (<i>H. stricta</i> Benth.).....	3-4-5-6-7	
drepanocarpa A. Gray.....		6-7
Drummondii T. & G.....	3	5
Jamesii T. & G.....	3	5-6-7
melanosticta A. Gray.....	3	6
oxycarpa Benth.....	3	6
texensis E. M. Fisher.....	3	

INDIGOFERA

argentata Rydb.....	3	
brevipes (S. Wats.) Rydb.....	3	6
miniata Ort. (<i>I. leptosepala</i> Nutt.).....	1-2-3-4-5	
suffruticosa Mill. (<i>I. Anil</i> L.; <i>I. Lindheimeriana</i> Scheele).....	2-3-4-5-6	
tinctoria L.....	2	5

KRAMERIA

glandulosa Rose & Painter.....		6
Grayi Rose & Painter (<i>K. canescens</i> A. Gray, not Willd.).....		5-6
parvifolia Benth.....	3	6
ramosissima (A. Gray) S. Wats.....		6
secundiflora DC. (<i>lancoolata</i> Torr.).....	2-3-4-5-6-7	

LATHYRUS

graminifolius (S. Wats.) White.....		6
pusillus Ell.....	1-2-3-4-5	

LESPEDEZA

angustifolia (Pursh) Ell.....		4
frutescens (L.) Britton.....	1	
hirta (L.) Ell.....	1	3-4
prairea (Mack. & Bush) Britton.....	1	4-5
procumbens Michx.....	1-2	4-5
repens (L.) Bart.....	1-2	4-5
simulata Mack & Bush.....		4-5 7
striata (Thunb.) H. & A.....	1	
Stuvei Nutt.....	1-2-3-4	
var. neglecta Britton.....	1	
texana Britton.....		2-3-4
violacea (L.) Pers.....	1	
virginica (L.) Britton.....	1-2	4

LEUCAENA

glauca Benth.....	3	
Greggii S. Wats.....	3	
pulverulenta (Schlecht.) Benth.....	3	
retusa Benth.....	3	5-6

LOTUS (*ACMISPON*, *ANISOLOTUS*, *HOSACKIA*)

americanus (Nutt.) Bisch. (<i>Hosackia Purshiana</i> Benth.).....	1	4-5 7
puberulus (Benth.) Greene.....		6
rigidus (Benth.) Greene.....	3	
Wrightii (A. Gray) Greene.....		6

LUPINUS

Havardi S. Wats. Chisos Bluebonnet		6
perennis L.,		
forma roseus Britton Pink Bluebonnet	1-2	
subcarnosus Hook. Bluebonnet	1-2-3-4	
texensis Hook. Bluebonnet	2-3-4-5	

MEDICAGO

arabica (L.) Huds. Spotted Bur Clover		4
hispida Gaertn. (<i>M. denticulata</i> Willd.) Bur Clover	1-2	4-5
lupulina L. Hop Clover	1	4-5
minima L.....	1-2	4
sativa L. Alfalfa	1-2-3-4-5-6-7	

MELILOTUS

alba Desv. White Sweet Clover	1-2-3-4-5-6-7
indica (L.) All. Indian Clover	2-3-4 6
officinalis (L.) Lam. Yellow Sweet Clover	2 4-5 7

MIMOSA

biuncifera Benth.....	4-5-6-7
borealis A. Gray.....	3-4-5-6-7
var. texana A. Gray (<i>M. texana</i> Small).....	3 5-6
dysocarpa Benth.....	6
Emoryana Benth.....	6
flexuosa Benth.....	6
fragrans A. Gray Pink Mimosa	4-5 7
Lindheimeri A. Gray.....	4-5-6
malacophylla A. Gray.....	3
pigra L. (<i>M. Berlandieri</i> A. Gray).....	3
pubida L.....	3
strigillosa T. & G.....	1-2-3-4
Wootoni Standl. Vine Mimosa	3

NEPTUNIA

Lindheimeri Robinson.....	4
lutea (Leavenw.) Benth. Yellow Sensitive Briar	1-2-3-4
var. tenuis (Benth.) Robinson.....	3
pubescens Benth.....	1-2-3

OXYTROPIS

Lambertii Pursh.....	7
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PARKINSONIA

aculeata L. Retama	2-3-4-5-6
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PETALOSTEMUM

candidum (Willd.) Michx.....	1 4 7
decumbens Nutt.....	1
emarginatum T. & G.....	2-3-4
glandulosum Coulter & Fisher.....	1-2
griseum T. & G.....	3
microphyllum (T. & G.) Heller.....	4
molle Rydb.....	7
multiflorum Nutt.....	1-2 4-5 7
obovatum T. & G. Pussy Foot	2 4-5
occidentale (A. Gray) Fernald.....	5-6
phleoideum T. & G.....	1
Porterianum Small.....	7
pulcherrimum Heller.....	2 4
purpureum (Vent.) Rydb.....	4-5 7
var. pubescens A. Gray.....	5
Reverchonii S. Wats.....	4
sabinale S. Wats.....	3 5
Stanfieldii Small.....	4-5 7
tenuifolium A. Gray.....	7
tenuis (Coulter) Heller.....	4-5 7
truncatum Rydb.....	3
villosum Nutt.....	4 7

PETERIA

scoparia A. Gray.....	6
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PHASEOLUS

acutifolius A. Gray (<i>P. tenuifolius</i> Woot. & Standl.).....	6
angustissimus A. Gray.....	6
atropurpureus DC.....	6
heterophyllus Willd. (<i>P. macropoides</i> A. Gray).....	6
Metcalfei Woot. & Standl. (<i>P. retusus</i> Benth., not Moench).....	6
polystachyus (L.) B. S. P.....	1
vulgaris L.....	1
Wrightii A. Gray.....	6

PITHECOLOBIUM

brevifolium Benth. Gulf Guajillo Tenaza	3
flexicaule (Benth.) Coulter Texas Ebony	3

POINCIANA		
Gilliesii Hook.	3-4	6
mexicana (A. Gray) Rose.	3	
PROSOPIS		
chilensis (Molina) Stuntz (<i>P. glandulosa</i> Torr.) Mesquite	1-2-3-4-5-6-7	
var. velutina (Wooton) Standl.		6
cinerascens A. Gray Screw Bean	3	
pubescens Benth. Tornillo		6
PSORALEA		
Bigelovii (Rydb.) Tidestrom.		6
caudata (Rydb.) Cory.	4	
cuspidata Pursh.	1 4	7
cyphocalyx A. Gray.	3-4-5	
digitata Nutt.	1 4	7
esculenta Pursh Indian Bread-root		7
floribunda Nutt.	1 4	
hypogaea Nutt.		4-5
linearifolia T. & G.	1 4-5	7
micrantha A. Gray (<i>P. lanceolata</i> Pursh).....		7
obtusiloba T. & G.	1 4	7
psoraloides (Walt.) Cory (<i>P. pedunculata</i> Vail).....	1 4	
Reverchonii S. Wats.		4
rhombofolia T. & G.	1-2-3-4-5	7
Rydbergii Cory.	3	
scaposa (A. Gray) Macbr.		5
simplex Nutt.	1	
subulata Bush.	1 4	
tenuiflora Pursh Scurvy Pea	1 4-5-6-7	
RHYNCHOSIA (DOLICHOLUS)		
americana Mill (<i>R. menispermoides</i> DC.) Oneleaf Bean	1-2-3-4	
latifolia Nutt.	1-2	
minima (L.) DC.	1-2-3-4-5	
texana T. & G.	2-3-4-5-6	
var. angustifolia A. Gray.		7
Torreyi Vail.	1 4	
ROBINIA		
luxurians (Dieck) Rydb.		6
Pseudo-Acacia L. Black Locust	4	
SCHRANKIA (<i>LEPTOGLOTTIS</i> , <i>MORONGIA</i>)		
aculeata Willd.	3	
angustata T. & G. Shame Vine	1-2-3-4-5-6	
var. brachycarpa Chapm.	1-2	
*Berlandieri (Britton) comb. nov.	2-3	
latidens (Small) K. Schum.		4
Nuttalli (DC.) Standl. (<i>S. uncinata</i> of authors).....	1-2 4-5	
platycarpa A. Gray.		4-5
Roemeriana Scheele.	2-3-4	
SESBANIA (<i>AGATI</i> , <i>DAUBENTONIA</i> , <i>DAUBENTONIOPSIS</i> , <i>GLOTTIDIUM</i>)		
Drummondii (Rydb.) Cory (<i>Daubentonia longifolia</i> of authors) ..	1-2-3-4	
exaltata (Raf.) Cory (<i>Sesban exaltata</i> Rydb.).....	1-2 4	
sericea (Willd.) Link.	2	
vesicaria (Jacq.) Ell. (<i>Glottidium vesicarium</i> Harper).....	1-2 4	
SOPHORA		
affinis T. & G. Pink Sophora	1 4-5	7
secundiflora (Ort.) Lag. Mescalbean, Frijolito	2-3-4-5-6	
sericea Nutt. Silky Sophora		4-5-6-7
tomentosa L.	3	
STROPHOSTYLES		
helvola (L.) Ell.	1 3-4-5	
leiosperma (T. & G.) Piper (<i>S. pauciflora</i> S. Wats.).....		6-7
umbellata (Muhl.) Britton.	2	

*Based on *Leptiglottis Berlandieri* Britt., No. Am. Fl. 23:144 (1928).

STYLOSANTHES

biflora (L.) B. S. P.....	1	4	
var. hispidissima (Michx.) Pollard & Ball.....	1-2		
hamata (L.) Taub.....	1		
riparia Kearney.....	1-2		

TEPHROSIA (CRACCA)

angustifolia Featherman.....	1		
leucosericea (Rydb.) Cory.....	1	4	7
Lindheimeri A. Gray.....		3-4-5	7
onobrychoides Nutt.....	1-2-3-4		
spicata Walt.....	1		
tenella A. Gray.....			6
texana (Rydb) Cory.....	1-2	4	
virginiana (L.) Pers.....	1-2	4	7

TRIFOLIUM

amphianthum T. & G.....	1-2	4	
bejariense Moric.....		3-4	
carolinianum Michx. Carolina Clover	1-2	4	
dubium Sibth. Least Hop-clover	1	4	
hybridum L.....	1	4	
pratense L. Red Clover		2	
procumbens L. Low Hop-clover		2	
reflexum L. Buffalo Clover	1-2	4	
repens L. Dutch White Clover		2	

VICIA

angustifolia L.....	1		
caroliniana Walt.....		2	
exigua Nutt.....		3	6
Leavenworthii T. & G.....	1-2	4-5-6	
ludoviciana Nutt.....	1-2-3-4		7
micrantha Nutt.....	1	4-5	7
Reverchonii S. Wats.....		4	7
texana (T. & G.) Small.....	1	3-4-5-6	
trifida Dietr.....		4	7

VIGNA

repens (L.) Kuntze (<i>V. luteola</i> Benth.).....		2	4
sinensis (L.) Endl.....	1-2		4

WISTERIA

frutescens (L.) Poir.....	1	4-5	
macrostachya Nutt.....	1-2		

ZORNIA

bracteata (Walt.) Gmel.....	1-2-3-4-5		
diphylla (L.) Pers.....		2	

85. LINACEAE (Flax)

LINUM (*CATHARTOLINUM*)

alatum (Small) H. Winkl. (<i>L. marginatum</i> Small, not Poir).....	1	3	
aristatum Engelm.....			6
australe Heller.....		3	6
Berlandieri Hook. Berlandier Yellow Flax	1	4-5	7
Earlei (Small) H. Winkl.....			5-6
elongatum (Small) H. Winkl.....		3	
Lewisii Pursh Blue Flax		3-4-5-6	
medium (Planch.) Britton, var. texanum (Planch.) Fernald Stiff Yellow Flax			4-5-6
multicaule Hook.....		3-4-5	7
pratense (J. B. S. Norton) Small.....		4	7
puberulum (Engelm.) Heller.....		4	7
rigidum Pursh Large Flower Yellow Flax		3-4	6-7
rupestre (A. Gray) Engelm.....			4-5-7
sanctum Small.....	2-3		
Schiedianum Cham. & Schlecht.....			6
striatum Walt. (<i>L. virginianum</i> Coulter, not L.).....	1	4	

LINUM—(Continued)

sulcatum Riddell Grooved Yellow Flax	1	4	7
vernale Wooton.....			6
Wrightii (Small) H. Winkl.....			6

86. OXALIDACEAE (Woodsorrel)

OXALIS (*IONOXALIS*, *LOTOXALIS*, *MONOXALIS*,
XANTHOXALIS)

albicans H. B. K. (<i>O. Wrightii</i> A. Gray).....			6
amplifolia (Trel.) Kunth.....			6
Berlandieri Torr.....	3		
californica (Abrams) Kunth.....			6
corniculata L.....	1	3-4	
cymosa Small.....	1		
dichondraefolia A. Gray.....		3	
Drummondii A. Gray (<i>O. vespertilionis</i> T. & G.).....		3-4-5-6-7	
Langloisii (Small) Fedde.....	2		
Martiana Zucc.....	2		
oreophila Cory.....			5-6-7
recurva Ell.,			
var. texana (Small) Wiegand.....	1-2	4	
stricta L. Yellow Wood Sorrel			4-5-6-7
violacea L. Violet Wood Sorrel	1	3-4	7

87. GERANIACEAE (Geranium)

ERODIUM

cicutarium (L.) L'Her. Alfilaria			4-5-6-7
texanum A. Gray Large Flowered Stork's Bill			3-4-5-6-7

GERANIUM

atropurpureum Heller.....			6
caespitosum James.....			6
carolinianum L. (<i>G. Langloisii</i> Greene).....	1-2	4-5	7
texanum (Trel.) Heller Geranium		2-3-4	

88. ZYGOPHYLLIACEAE (Caltrop)

KALLSTROEMIA

brachystylis Vail.....			6
grandiflora Torr.....			6
hirsutissima Vail.....		4-5	7
intermedia Rydb.....		3-4-5	7
parviflora Norton.....		3-4	

LARREA

tridentata (DC.) Coville.....	3	5-6	
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PEGANUM

mexicanum A. Gray.....			6
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PORLIERIA

angustifolia (Engelm.) A. Gray Guayacan		3-4-5-6	
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TRIBULUS

cistoides L.....		2	
terrestris L. Puncture Plant	1-2-3-4-5-6-7		

89. KOEBERLINIACEAE (Junco)

KOEBERLINIA **Junco**

spinosa Zucc. Allthorn	3	5-6	
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90. MALPIGHIACEAE

ASPICARPA

humilis (Benth.) A. Juss.....			6
hyssopifolia A. Gray.....	3	5-6	
longipes A. Gray.....			6

JANUSIA

gracilis A. Gray.....			6-7
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MALPIGHIA		
glabra L. Wild Crape Myrtle	3	
THRYALLIS (GALPHIMIA)		
angustifolia (Benth.) Kunze.....	3	5

91. RUTACEAE (Rue)

AMYRIS		
madrensis S. Wats.....	3	
texana (Buckl.) P. Wilson.....	3	
ASTROPHYLLUM (CHOISY)		
dumosum Torr.....	3	6
CITRUS (PONCIRUS)		
trifoliata L. Bitter Orange	2-3-4	
ESEBECKIA		
Runyoni Norton.....	3	
HELIETTA		
parvifolia (A. Gray) Benth. Baretta	3	
PTELEA Water Ash		
antoniata Greene.....		5
Baldwinii T. & G. (<i>P. angustifolia</i> Benth.).....	3	5
betulifolia Greene.....	3	7
monticola Greene.....		6
polyadenia Greene.....	2-3	5-6-7
rhombifolia Greene.....		4-5
trifoliata L.....	1	4
var. mollis T. & G.....	2-3-4-5	
RUTA		
graveolens L.....		5
THAMNOSMA		
texana (A. Gray) Torr.....	3-4-5-6	
TRIPHASIA		
trifolia (Burn. f.) P. Wilson.....	2	
XANTHOXYLUM		
Clava-Herculis L.....	1	4
insulare Rose.....		3
macrophyllum Nutt. (<i>Z. Clava-Herculis</i> <i>fruticosum</i> A. Gray) Prickly Ash		
Fagara (L.) Sarg. (<i>Z. Pterota</i> N. B. K.) Colima	3	5-6

92. SIMARUBACEAE (Quassia)

AILANTHUS (Tree of Heaven)		
peregrina (Buc'hoz) Barkley (<i>A. glandulosa</i> Desf.).....	3-4	6
CASTELA		
texana (T. & G.) Rose (<i>C. Nicholsoni</i> Hook.) Amargosa	3	5-6

93. MELIACEAE (Mahogany)

MELIA		
Azedarach L. Chinaberry	1-2-3-4	
var. umbraculiformis Berck. & Bailey Umbrella China	1-2-3-4	

94. POLYGALACEAE (Milkwort)

POLYGALA		
alba Nutt. White Milkwort	3-4-5-6-7	
Boykinii Nutt.....	3	
hemipterocarpa A. Gray.....		6
Hookeri T. & G.....	1-2	
incarnata L. Pink Milkwort	1	4
leptocaulis T. & G. (<i>P. paludosa</i> of authors, not St. Hil.).....	2	
Lindheimeri A. Gray.....		4-5
longa Blake.....		5-6
macradenia A. Gray.....	3	6-7
mariana Mill.....	1-2	

POLYGALA—(Continued)

obscura Benth. (<i>P. puberula</i> A. Gray).....			6
ovatifolia A. Gray.....	3		5-6
Palmeri S. Wats.....	3		6
polygama Walt. Racemed Milkwort	1-2	4	
ramosa Ell. Pine barren Milkwort	1-2-3		
rimulicola Steyermark.....			6
scoparioides Chod. (<i>P. Wrightii</i> A. Gray).....	3		6
Tweedyi Britton (<i>P. texensis</i> Robinson).....		3-4-5-6-7	
verticillata L. Whorled Milkwort	1	4	7

95. EUPHORBIACEAE (Spurge)

ACALYPHA

gracilens A. Gray Slender Three-seeded Mercury	2-3-4		
var. Fraseri (Muell. Arg.) Weatherby.....		3	
var. monococca Engelm.....	1		
hederacea Torr.....		3	5-6
Lindheimeri Muell. Arg.....			4-5-6
ostryaefolia Ridd. Hornbeam Three-seeded Mercury	1-2		4-5
radians Torr.....		3-4	7
virginica L. (<i>A. digynia</i> Raf.).....	1		4

ADELIA (*RICINELLA*)

Vaseyi (Coulter) Pax & Hoffm.....	3		
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BERNARDIA

myricaefolia (Scheele) S. Wats. Myrtle Croton	3-4-5-6-7		
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CAPERONIA

palustris St. Hil.....	2		
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CNIDOSCOLOS

stimulosus (Michx.) Engelm. & Gray.....	3		
texanus (Muell. Arg.) Small Bull Nettle, Malo Mujer	1-2-3-4-5		

CROTON

argyranthemus Michx.....	1-2		
capitatus Michx.....	2-3-4-5		
ciliato-glandulosus Ort.....	3		
Cortesianus Kunth.....	3		
corymbulosus Engelm.....			5-6-7
Engelmanni Ferguson (<i>C. capitatus</i> , var. <i>Lindheimeri</i>).....	3-4		
fruticulosus Engelm. Shrubby Croton	2-3-4-5-6		
var. fuscens Muell. Arg.....	3		5-6
glandulosus L.,			
var. angustifolius Muell. Arg.....	3		
var. intermedia Muell. Arg.....	3		
var. Lindheimeri (Muell. Arg.) (var. <i>Croftiae</i> Ferguson).....	1		
var. septentrionalis Muell. Arg.....		4-5	7
humilis L. (<i>C. Berlandieri</i> Torr.).....	3		
Lindheimerianus Scheele.....	2-3		
leucophyllus Muell. Arg.....	3		6
monanthogynus Michx.....	1-2	4-5	7
neomexicanus Muell. Arg.....	3		5-6-7
punctatus Jacq. (<i>C. maritimus</i> Walt.).....	2-3		
suaveolens Torr.....	3		5-6
texensis (Kl.) Muell. Arg.....	3-4-5		7
Torreyanus Muell. Arg.....	3		6

CROTONOPSIS

linearis Michx. (<i>C. elliptica</i> Willd.).....	1-2	4-5	
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DITAXIS (*ARGYRTHAMNIA*)

aphoroides (Muell. Arg.) Pax.....	3	5	
humilis (Engelm. & Gray) Pax.....	3-4-5-6		
laevis (Torr.) Heller.....			6-7
mercurialina (Nutt.) Coulter.....		4-5	
pilosissima (Benth.) Heller.....			7
serrata (Torr.) Heller (<i>D. neomexicana</i> Heller).....			6

EUPHORBIA

acuta Engelm.....	3	5-6
adenoptera Bertol.....		6
albomarginata T. & G.....	2-3-4-5-6-7	
angusta Engelm.....	3	5
antisiphilitica Zucc. Candelilla		6
arizonica Engelm. (<i>E. versicolor</i> Greene).....		6
barbellata Engelm.....	3	
bicolor Engelm.....	1-2-3-4	
bifurcata Engelm.....		6
bilobata Engelm.....		6
brachycera Engelm. (<i>E. montana</i> Engelm.).....		6
campestris Cham. & Schlecht.....		6
chamaesula Boiss.....		6
cinerascens Engelm.....	3	6
commutata Engelm. Tinted Spurge		4 7
cordifolia Ell.....	1-2-3-4	7
corollata L. Flowering Spurge	1-2	4
var. Joorii Norton.....	1	
cuphosperma (Engelm.) Boiss. Warty Spurge		5-6-7
Cyparissias L. Cypress Spurge	1	
dentata Michx. Toothed Spurge		3-4-5-6-7
var. rigida Engelm.....		5
dictyosperma Fisch. & Mey. (<i>E. arkansana</i> Engelm.).....	1	3-4-5-6-7
eriantha Benth.....		6
exstipulata Engelm.....		7
Fendleri T. & G.....		4-5-6-7
var. chaetocalyx Boiss.....		6
flagelliformis Engelm.....		6-7
geniculata Ort.....	3	
Geyeri Engelm. Geyers Spurge		7
glyptosperma Engelm.....	1	3-4 7
var. tenerrima Engelm.....		3-4 7
grisea Engelm.....	3	
Helioscopia L. Wart Spurge		4
Helleri Millsp.....	2-3	
heterophylla L.,		
var. graminifolia Engelm. (<i>havanensis</i> Willd) Varied-leaf Spurge		3-4-5-6
hexagona Nutt.....		4 7
humistrata Engelm. Hairy Spreading Spurge	1	
hypericifolia L.....	1-2-3	
hyssopifolia L.....	1-2-3-4-5-6-7	
indivisa (Engelm.) Tidest.....		6
Ingallsii (Small) Cory.....	2	
laredana Millsp.....	3	
lata Engelm. Hoary Spurge		5-6-7
Lathyrus L. Myrtle Spurge	1	4 7
longicuris Scheele.....	1	3-4-5 7
maculata L. Spotted Spurge		2-3-4-5
marginata Pursh Snow on the Mountain		4-5-6-7
micromera Boiss.....		6
Nealleyi Coulter & Fisher.....		6
Nuttalli (Engelm.) Small.....		2-3-4-5 7
nutans Lag. (E. Preslii Guss.).....		3-4-5 7
obtusata Pursh Blunted Spurge	1	4 7
olivacea Small.....	2	
peplidion Engelm.....		3 5-6
Peplus L. Petty Spurge		3
petaloidea Engelm. White flowered Spurge		3 6-7
philora (Cockerell) Tidestrom.....		6-7
pilulifera L.....	2-3	
polyclada Boiss.....	1	4
polygonifolia L. Seaside Spurge		3 5-6
prostrata Ait. (<i>Chamaesyce malaca</i> Small).....		2-3-4-5-6

EUPHORBIA—(Continued)

revoluta Engelm.	3	6
Roemeriana Scheele	3-4	
serpens H. B. K. (including var. <i>radicans</i> Engelm.)	2-3-4-5-6-7	
serpillifolia Pers. Thymeleaf Spurge		6-7
serrula Engelm.		5-6-7
Stanfieldii (Small) Cory	2-3-4-5	
stictospora Engelm. Narrowseeded Spurge		5-6-7
var. <i>guadalupensis</i> Small		5
strictior Holzinger		7
tetrapora Engelm.	1	4 7
var. <i>Berlandieri</i> Boiss.		4
texana Boiss. (<i>E. dictyosperma</i> , var. <i>leicoccea</i> Engelm.)		4 7
villifera Scheele		3-4-5-6
Wrightii T. & G.		3 5 7
zygophylloides Boiss. Prairie Spurge	2-3-4-5	7
JATROPHA		
cathartica (Berl.) Johnston		3
spathulata (Ort.) Muell. Arg. (including var. <i>sessiliflora</i>)		3-4-5-6
PHYLLANTHUS		
Avicularia Small		3-4
carolinensis Walt.	1-2-3-4	
Drummondii Small		3
lathyroides H. B. K., var. <i>commutatus</i> Muell. Arg.		6 7
Niruri L.		7
polygonoides Nutt.		3-4-5-6-7
RÉVERCHONIA		
arenaria A. Gray		7
RICINUS		
communis L. Castor Bean	2-3-4	
SAVIA (ANDRACHNE)		
phyllanthoides (Nutt.) Pax. & Hoffm.		4-5
var. <i>Reverchonii</i> (Coul.) Pax. & Hoffm.		5 7
SEBASTIANA		
ligustrina (Michx.) Muell. Arg.	2	
STILLINGIA		
sylvatica L. (<i>S. salicifolia</i> Raf.) Queens' Delight	1	3-4
texana Johnston (<i>S. linearifolia</i> of authors)	2	4-5 7
Treculeana (Muell. Arg.) Johnston (<i>S. dentata</i>)		3-4-5 7
TRAGIA		
amblyodonta (Muell.) Pax. & Hoffm.		3
leptophylla (Muell.) Johnston		3
nepetaefolia Cav.	2-3-4-5	
nigricans Bush		5 7
ramosa Torr.		4-5-6-7
teucriifolia Scheele		5
urticifolia Michx.	2-3-4-5	

96. CALLITRICHACEAE

CALLITRICHE

deflexa A. Br., var. <i>Austini</i> (Engelm.) Hegelm.	1	4
heterophylla Pursh	1	4
palustris L. Vernal Water Starwort	1-2	4
peplodes Nutt.	1	3-4
terrestris Raf.	2	

97. ANACARDIACEAE (Sumac)

COTINUS

americanus Nutt. (<i>Rhus Cotinoides</i> Nutt.)	5
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PISTACIA

mexicana H. B. K. (<i>P. texana</i> Swingle)	6
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RHUS (*SCHMALTZIA*)

canadensis L.....	1	4
copallina L.....	1	4
eximia (Greene) Standl.....		6
glabra L. Staghorn Sumac	1-2	4
lanceolata (A. Gray) Britton (<i>R. copallina lanceolata</i> A. Gray)...		5
microphylla Engelm.....		3-4-5-6-7
quercifolia (Michx.) Steud.....	1	4
rhomboidea Small.....		4-5 7
toxicodendron L. Poison Ivy	1-2-3-4-5	
var. radicans (L.) Torr. Poison Ivy	1-2-3-4-5	7
trilobata Nutt. Ill-scented Sumac		4-5-6-7
var. pilosissima Engelm.....		6-7
vernix L. Poison Oak	1	
virens Lindh. Evergreen Sumac		5-6-7

98. CYRILLACEAE

CYRILLA

racemiflora L. Southern Leatherwood	1-2
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99. AQUIFOLIACEAE (Holly)

ILEX

ambigua (Michx.) Chapm. (<i>I. caroliniana</i> Trel., not Mill.).....	1-2
coriacea (Pursh) Chapm.....	1
decidua Walt. Deciduous Holly Possum Haw	1-2 4-5
glabra (L.) A. Gray Ink Berry	1
longipes Chapm. Largeleaf Holly	1 4
opaca Ait. American Holly	1-2 4
vomitorea Ait. Evergreen Holly Yaupon	2 4

100. CELASTRACEAE (Stafftree)

CELASTRUS

scandens L. American Bittersweet	1-2	6-7
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EVONYMUS

americanus L. Brook Evonymus , Strawberry Bush	1-2
atropurpureus Jacq. Wahoo	1 4

FORSELLESIA (*GLOSSOPETALON*)

spinescens (A. Gray) Greene.....		6-7
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MAYTENUS

phyllanthoides Benth. Leather Leaf	2-3
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MORTONIA

Greggii A. Gray.....	3
scabrella A. Gray.....	6

SCHAEFFERIA

cuneifolia A. Gray Desert Yaupon , capul	3-4-5-6
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101. ACERACEAE (Maple)

ACER

floridanum (Chapm.) Pax.....	1-2	
grandidentatum Nutt., var. brachypterum (Woot. & Standl.) Palmer Maple		6
Negundo L. Box Elder	1-2-3-4	
var. texanum Pax.....	1-2 4-5	
rubrum L. Red Maple	1-2 4	
var. Drummondii (H. & A.) T. & G.....	1-2 4	
var. tomentosum Kirchner.....	1	
var. tridens Wood. (<i>A. carolinianum</i> Walt.).....	1-2	
saccharum Marsh., var. sinuosum (Rehd.) Sarg. Sugar Maple		4-5

102. HIPPOCASTANACEAE (Horsechestnut)

AESCULUS

<i>arguta</i> Buckl. (<i>A. Buckleyi</i> Bush).....	2	4-5
<i>discolor</i> Pursh,		
var. <i>flavescens</i> Sarg.....		4-5
var. <i>mollis</i> (Raf.) Sarg. (<i>A. austrina</i> Small).....	1-2	4-5
<i>glabra</i> Buckl.,		
var. <i>leucodermis</i> Sarg.....	1	4
<i>Pavia</i> L.....		4

103. BALSAMINACEAE

IMPATIENS

<i>biflora</i> Walt.....	1	
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104. SAPINDACEAE (Soapberry)

CARDIOSPERMUM

<i>Corindum</i> L.....		3
<i>Halicacabum</i> L. Balloonvine	1-2-3-4-5	
<i>microcarpum</i> H. B. K.....		3

SAPINDUS

<i>Drummondii</i> H. & A.....	1-2-3-4-5-6-7	
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SERJANIA

<i>brachycarpa</i> A. Gray.....		3
<i>incisa</i> Torr.....		3

UNGNADIA

<i>speciosa</i> Endl. Mexican Buckeye	2-3-4-5-6	
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URVILLEA

<i>ulmacea</i> H. B. K.....		3
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105. RHAMNACEAE (Buckthorn)

ADOLPHIA

<i>infesta</i> (H. B. K.) Meisn.....		6
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BERCHEMIA

<i>scandens</i> (Hill) Trel. Rattan Supplejack	1-2	4
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CEANOTHUS

<i>americanus</i> L. New Jersey Tea	1-2	4-5
<i>Fendleri</i> A. Gray.....		6
<i>Greggii</i> A. Gray.....		6
<i>ovatus</i> Desf. Redroot	1	4-5
var. <i>pubescens</i> T. & G. (<i>C. pubescens</i> Rydb.).....		7
<i>perplexans</i> Trel.....		6

COLUBRINA

<i>stricta</i> Engelm.....		4
<i>texensis</i> (T. & G.) A. Gray Hog Plum	3-4-5	

CONDALIA (Zizyphus in part)

<i>mexicana</i> Schlecht.....		3 6
<i>obovata</i> Hook. Brasil	2-3-4-5-6	
<i>obtusifolia</i> (Hook.) Weberb. Lote	1-2-3-4-5-6-7	
<i>spatulata</i> A. Gray.....	3	5-6

KARWINSKIA

<i>Humboldtiana</i> (R. & S.) Zucc. Coyotillo	3	5-6-7
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MICRORHAMNUS

<i>ericoides</i> A. Gray Javelina Brush Little Buckthorn	3	5-6-7
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RHAMNUS

<i>caroliniana</i> Walt. Indian Cherry	1-2	4-5
var. <i>mollis</i> Fernald Tree Buckthorn		5
<i>fasciculata</i> Greene.....		6
<i>lanceolata</i> Pursh.....	1	
<i>Purshiana</i> DC.,		
var. <i>betulaefolia</i> (Greene) Cory.....		6

SAGARETIA

<i>Wrightii</i> S. Wats.....		6
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106. VITACEAE (Grape)

CISSUS (<i>AMPELOPSIS</i> in part)	
Amelopsis Pers. (<i>Ampelopsis cordata</i> Michx., not <i>C. cordata</i>)....	4
arborea (L.) Des Moulins (<i>Ampelopsis Rusby</i>) Peppervine	1-2-3-4-5
incisa (Nutt.) Des. Moulins Yerba del Buey	2-3-4-5-6
var. Andrewsii Palmer.....	6
PARTHENOCISSUS	
heptaphylla (Buckl.) Small.....	4-5 7
quinquefolia (L.) Planch. Virginia Creeper	1-2-3-4-5-6-7
var. Saint Paulii (Graeb.) Rehder.....	4-5
vitacea (Knerr) Hitchc.....	5-6-7
VITIS	
arizonica Engelm.....	5-6-7
var. glabra Munson.....	6
Berlandieri Planch.....	2-3-4-5-6
candicans Engelm. Mustang	1-2-3-4-5-6-7
var. dispersa Bailey.....	6
Champini Planch.....	4 6-7
cinerea Engelm. Downy Grape	1-2 4-5-6
var. canescens (Engelm.) Bailey.....	5
cordifolia Michx. (<i>V. Baileyana</i> Munson) Frost Grape	1 4-5
Doaniana Munson.....	7
Helleri Small.....	3-4-5
Lincecumii Buckl.....	1-2 4
var. glauca Munson (<i>var. lactea</i> Small).....	1 4
Longii Prince.....	5-6-7
var. microsperma (Munson) Bailey.....	4
monticola Buckl.....	5-6
palmata Vahl. Missouri Grape	1
rotundifolia Michx. Muscadine Grape	1-2 4
rupestris Scheele Mountain Grape	5-6-7
Trelisei Munson ex Bailey.....	6

107. TILIACEAE (Linden)

CORCHORUS	
orinocensis H. B. K.....	2
siliquosus L.....	2
TILIA (Linden) (Basswood)	
caroliniana Mill. (<i>T. pubescens</i> Ait.).....	1-2 4
var. rhoophila Sarg.....	1-2 4-5
floridana Small.....	1-2 4-5
var. oblongifolia Sarg.....	1
nuda Sarg.....	1-2 4
var. glaucescens Sarg.....	1
phanera Sarg.....	5
var. scabrida Sarg.....	2 4 6
texana Sarg.....	1-2 5
var. grosseserrata Sarg.....	5

108. MALVACEAE (Mallow)

ABUTILON	
hypoleucum A. Gray.....	3
incanum (Link) Sweet (<i>A. texense</i> T. & G.) Indian Mallow	3-4-5-6-7
indicum L. (<i>A. americana</i> Sweet).....	3
lignosum (Cav.) Don (<i>A. Berlandieri</i> Gray; <i>A. Jacquini</i> Don) ...	3 6
malacum S. Wats.....	3 6
Nealleyi Coulter.....	3
parvulum A. Gray.....	3 5-6
Theophrasti Medic. (<i>A. Avicennae</i> Gaertn.; <i>A. Abutilon</i> Rusby) ..	4
trisolcatum (Jacq.) Urban (<i>A. triquetrum</i> Presl).....	3
Wrightii A. Gray.....	3 5-6

ANODA (including SIDANODA)		
<i>cristata</i> (L.) Schlecht. (<i>A. hastata</i> Cav.)		6
<i>pentaschista</i> A. Gray (<i>Sidanoda</i>)	3	6
<i>Wrightii</i> A. Gray		6
BASTARDIA		
<i>viscosa</i> (L.) H. B. K.	3	
CALLIRRHOE		
<i>alcaeoides</i> (Michx.) A. Gray Light Poppy Mallow		5
<i>digitata</i> Nutt. Fringed Poppy Mallow	1-2-3-4-5-6	
<i>geranioides</i> Small		3
<i>involutrata</i> (Nutt.) A. Gray Wine Cup	2-3-4-5-6-7	
var. <i>palmata</i> (Buckl.) Britton		5 7
<i>lineariloba</i> (T. & G.) A. Gray		3
<i>Papaver</i> (Cass.) A. Gray	2	
<i>pedata</i> A. Gray		4-5 7
<i>scabriuscula</i> Robinson		4
<i>triangulata</i> (Leavenw.) A. Gray Clustered Poppy Mallow	1	
CIENFUEGOSIA		
<i>Drummondii</i> A. Gray		4
<i>sulphurea</i> (St. Hill.) Garcke	3	
GAYOIDES		
<i>crispum</i> (L.) Small	3	6
HIBISCUS		
<i>cardiophyllus</i> A. Gray	3	
<i>Coulteri</i> A. Gray		6
<i>denudatus</i> Benth. (<i>H. denudatus involucellatus</i> A. Gray)		6
<i>lasiocarpus</i> Cav.	1-2-3	
<i>militaris</i> Cav.	1-2	4
<i>Moscheutos</i> L.	2	
<i>syriacus</i> L.	1	4
<i>Trionum</i> L.		4-5 7
KOSTELETZSKYA		
<i>althaeifolia</i> (Chapm.) A. Gray	2	
<i>hastata</i> Presl	3	
MALACHRA		
<i>capitata</i> L. (<i>M. palmata</i> Moench.)	3	
<i>urens</i> Poit.	3	
MALVA		
<i>neglecta</i> Wallr. (<i>M. rotundifolia</i> of authors, not L.)	1-2	4-5 7
<i>parviflora</i> L.	3-4-5-6-7	
<i>rotundifolia</i> L. (<i>M. borealis</i> Wallm.)	3	
<i>sylvestris</i> L. High Mallow		5
MALVASTRUM		
<i>coromandelianum</i> (L.) Garcke	2-3	
<i>spicatum</i> (L.) A. Gray	3	
<i>Wrightii</i> A. Gray	3	
MALVAVISCUS		
<i>Drummondii</i> T. & G. Texas Mallow	2-3-4-5	
MODIOLA		
<i>caroliniana</i> (L.) G. Don	1-2-3-4	
PAVONIA		
<i>lasiopetala</i> Scheele	3-4	
PSEUDABUTILON		
<i>Lozani</i> (Rose) R. E. Fries	3	
SIDA (including DISELLA)		
<i>angustifolia</i> Lam.	3	
<i>ciliaris</i> L.	3-4	
<i>cuneifolia</i> A. Gray	3	
<i>filipes</i> A. Gray	3	
<i>hastata</i> St. Hil. (<i>S. physocalyx</i> A. Gray)	3-4-5-6	
<i>hederacea</i> (Dougl.) Torr.		5-6-7
<i>Helleri</i> Rose	3	
<i>lepidota</i> A. Gray		6
<i>Lindheimeri</i> A. Gray (<i>S. texana</i> Small)	1	3-4

SIDA—(Continued)

longipes A. Gray.....	3	6
neomexicana A. Gray.....		6
paniculata L.....	3	
procumbens Sw. (<i>S. diffusa</i> H. B. K.; <i>S. filiformis</i> Moric).....	3-4-5-6	
rhombifolia L.....	1-2	
sagittaeifolia (A. Gray).....		6
spinosa L.....	1-2-3-4	
tragiaefolia L.....		6

SIDALCEA

neomexicana A. Gray.....		6
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SPHAERALCEA

angustifolia (Cav.) Don.....	3	6-7
var. cuspidata A. Gray.....	3	5-6-7
var. lobata (Woot.) Kearney.....		6-7
coccinea (Pursh) Rydb.....	4	7
var. dissecta (Nutt.) Kearney.....	5	7
var. elata (Baker) Kearney.....		6
digitata (Greene) Rydb.,		
var. tenuipes (Woot. & Standl.) Kearney.....	3	6
Endlichii Ulbrich.....	3	
Fendleri A. Gray.....		6
var. elongata Kearney.....		6
hastulata A. Gray.....	3	5-6-7
incana Torr.....		6
laxa Woot. & Standl.....		6
leptophylla (A. Gray) Rydb.....	3	6
Lindheimeri A. Gray.....	2-3	
pedatifida A. Gray.....	3-4	
subhastata Coulter.....		6-7
var. latifolia Kearney.....		6-7
var. Martii (Cockerell) Kearney.....		6
Wrightii A. Gray.....		6

WISSADULA

amplissima (L.) R. E. Fries.....	3	
holosericea (Scheele) Garcke.....		5-6
periplocifolia (L.) Griseb.....	3	

109. STERCULIACEAE (Cacao)

AYENIA

microphylla A. Gray.....		6
pusilla L.....	2-3	

HERMANNIA

texana A. Gray.....	3-4-5-6	
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MELOCHIA

corchorifolia L.....	1-2	
pyramidata L.....	3	
tomentosa L.....	3	

NEPHROPETALUM

Pringlei Robinson & Greenm.....	3	
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WALTHERIA

americana L.....	3	
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110. HYPERICACEAE (St. Johnswort)

ASCYRUM

hypericoides L. (<i>A. linifolium</i> Spach).....	1	3-4
var. multicaule (Michx.) Fern.....		4
stans Michx.....	1-2	

HYPERICUM

apocynifolium Small.....	2	
aureum Bartr.....		4
canadense L.....	2	
densiflorum Pursh.....		4
Drummondii (Grev. & Hook.) T. & G.....	2-3	5

HYPERICUM—(Continued)

fasciculatum Lam.....	1-2	
formosum H. B. K., var. Scouleri Coulter.....		6
gentianoides (L.) B. S. P. (<i>H. nudicaule</i> Walt).....	1	4
gymnanthum Engelm. & Gray.....	1	
interior Small.....		4
mutilum L.....		4
var. latisepalum Fernald.....	1	3
perforatum L.....	2	4
petiolatum Walt.....	1-2	
punctatum Lam. (<i>H. maculatum</i> Walt.).....	1	4
var. pseudomaculatum (Bush) Fernald.....	1-2	

111. ELATINACEAE (Waterwort)

BERGIA		
texana (Hook.) Seubert.....		5 7
ELATINE		
americana (Pursh) Arn.....	1	

112. TAMARICACEAE (Tamarisk)

TAMARIX (Salt Cedar)		
articulata Vahl Aethl	2-3	
gallica L. French Salt Cedar		6
pentandra Pall.....		7

113. FOUQUIERIACEAE (Ocotillo)

FOUQUIERA		
splendens Engelm. Ocotillo		6

114. BIXACEAE (Arnotto)

AMOREUXIA		
Wrightii A. Gray.....	2-3	6

115. FRANKENIACEAE (Frankenia)

FRANKENIA		
Jamesii Torr.....		6

116. TURNERACEAE (Turnera)

TURNERA		
diffusa Willd. (<i>T. aphrodisiaca</i> Ward).....		3

117. CISTACEAE (Rockrose)

HELIANTHEMUM		
Bicknellii Fernald (<i>H. majus</i> of authors).....		3-4-5
canadense (L.) Michx.....	2	
carolinianum (Walt.) Michx.....	1	
georgianum Chapm.....	3	5
rosmarinifolium Pursh.....	2	5
LECHEA		
divaricata Shuttlew.....	3	
Drummondii (Spach) T. & G.....		4-5
minor L.....	2	
tenuifolia Michx.....		4
villosa Ell. (<i>L. major</i> Michx., not <i>L. major</i> L.).....	2-3	

118. VIOLACEAE (Violet)

HYBANTHUS (*CALCEOLARIA*) **Green Violet**

verticillatus (Ort.) Baill. (<i>Calceolaria verticillata</i> Kuntze).....	3-4-5-6-7
*var. platyphyllum (A. Gray) n. comb.....	3

VIOLA

eriocarpa Schwein.....	1
lanceolata L. Lanceleaf Violet	2 4
Langloisii Greene.....	2 4
missouriensis Greene.....	3-4-5
palmata L.,	
var. dilatata Ell. Palm Violet	1 4
papilionacea Pursh Butterfly Violet	1
pedata L. Birdfoot Violet	1
primulifolia L.....	2 4
var. australis Pollard.....	1 4
Rafinesquii Greene.....	1 4
sagittata Ait.....	2
triloba Schwein.....	1
villosa Walt. (<i>V. carolina</i> Greene).....	1
vittata Greene (<i>V. denticulosa</i> Pollard).....	1
Walteri House (<i>V. multicaulis</i> Britton).....	1-2

119. PASSIFLORACEAE (Passionflower)

PASSIFLORA

affinis Engelm.....	4
Bigelovii Small.....	3
foetida L. White Passion Flower	3
inamoena A. Gray.....	3-4
incarnata L. Maypop	1-2-3-4
lutea L. Yellow Passion Flower	1-2-3-4
multiflora L.....	3
tenuiloba Engelm.....	4-5 7

120. LOASACEAE (Loasa)

CEVALLIA

sinuata Lag.....	3 5-6-7
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EUCNIDE

bartonioides Zucc.....	3-4-5-6
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MENTZELIA (*ACROLASIA*, *NUTTALLIA*) **Blazing Star**

albescens (Gill.) Griseb. (<i>M. Wrightii</i> A. Gray).....	3 5-6
asperula Woot. & Standl.....	3 6
decapetala (Pursh) Urban & Gilg.....	4 7
humilis (A. Gray) Darl. (<i>Nuttallia gypsea</i> Woot. & Standl.).....	6-7
Lindheimeri Urban & Gilg.....	3-4-5-6
multiflora (Nutt.) A. Gray.....	6-7
nuda (Pursh) T. & G.....	1 3-4-5-6-7
oligosperma Nutt.....	3-4-5-6-7
pumila (Nutt.) T. & G.....	6
var. procera (Woot. & Standl.) Darl.....	6
stricta (Osterhout) Stevens ex Jeffs & Little.....	3 5 7
texana Urban & Gilg.....	3

121. CACTACEAE (Cactus)

ARIOCARPUS

fissuratus Engelm. Living Rock	6
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CEREUS

Greggii Engelm. (<i>Peniocereus</i>).....	6
pentagonus (L.) Haworth (<i>Acanthocereus</i>).....	3
Poselgeri (Lemaire) Coulter (<i>Wilcoxia</i>).....	3

*Based on *Ionidium lineare* Torr., var. *platyphyllum* A. Gray, Pl. Wright. 1:12 (1852).

ECHINOCACTUS

asterias Zucc. (<i>Astrophytum</i>).....	3	
bicolor Galeotii (<i>Thelocactus</i>).....	3	
brevihamatus Engelm. (<i>Ancistrocactus</i>).....	3	
hamatocactus Muehlenpf. (<i>Ferocactus</i>) Fishhook		6
horizontalthonius Lemaire.....		6
intertextus Engelm. (<i>Echinomastus</i>).....		6
var. dasyacanthus Engelm. (<i>Echinomastus</i>).....		6
Scheerii Salm-Dyck (<i>Ancistrocactus</i>).....	3	
setispinus Engelm. (<i>Hematocactus</i>).....	3-4-5	
texensis Hopffer (<i>Homalcephala</i>) Viznaga		5-6-7
uncinatus Galeotii (<i>Ferocactus</i>).....	3	5-6
Williamsii Lem.....	3	
Wislizeni Engelm. (<i>Ferocactus</i>).....		6

ECHINOCEREUS

angusticeps Clover.....	3	
Berlandieri (Engelm.) Ruempl. ex Forster.....	3	
Blanckii (Poselger) Palmer.....	3	
chloranthus (Engelm.) Ruempl.....		6
conoideus (Engelm. & Bigel.) Ruempl.....		7
ctenoides (Engelm.) Ruempl.....	3	
dasyacanthus Engelm.....		6
dubius (Engelm.) Ruempl.....		6
enneacanthus Engelm. Petaya	3-4-5-6-7	
Fendleri (Engelm.) Ruempl.....		7
Fitchii Britton & Rose.....	3	
Lloydii Britton & Rose.....		6
octacanthus (Muehlenpf.) Britt. & Rose.....		7
papillosus Linke.....	3	
pentalophus (DC.) Ruempl.....	3	
perbellus Britton & Rose.....		7
Reichenbachii (Terscheck) Haage.....		5-6-7
Roetteri (Engelm.) Ruempl.....		6
Rosei Woot. & Standl.....		6-7
stramineus (Engelm.) Ruempl.....		6
triglochidiatus Engelm.....		5-6-7
viridiflorus Engelm.....		6-7

MAMMILLARIA

applanata Engelm. (<i>Neomammillaria</i>).....	3	
dasyacanthus Engelm (<i>Escobaria</i>).....	3	6
echinus Engelm. (<i>Coryphantha</i>).....		5-6
Engelmannii Cory.....	4	
Escobaria Cory.....	3	
hemisphaerica Engelm. (<i>Neomammillaria</i>).....	3	
Heyderi Muehlenpfordt (<i>Neomammillaria</i>) Pincushion		4-5-6
lasiacantha Engelm. (<i>Neomammillaria</i>).....		6
var. denudata Engelm. (<i>Neomammillaria</i>).....		6
Lloydii Cory (<i>Neolloydia texensis</i> B. & R., not <i>M. texensis</i>).....		6
macromeris Engelm. (<i>Coryphantha</i>).....		6
meicantha Engelm. (<i>Neomammillaria</i>).....		4-5-6
micromeris Engelm. (<i>Epithelantha</i>).....	3	6
microcarpa Engelm. (<i>Neomammillaria</i>).....		6
missouriensis Sweet (<i>Neobesseya</i>).....		4-5 7
var. robustior (Engelm.) S. Wats. (<i>Neobesseya</i>).....		4
multiceps Salm-Dyck (<i>Neomammillaria</i>).....	3	
neomexicana (Engelm.) A. Nels. (<i>Coryphantha</i>).....		6
pectinata Engelm. (<i>Coryphantha</i>).....		5-6
Pottsii Scheer (<i>Neomammillaria</i>).....	3	6
Runyonii (Britton & Rose) Cory (<i>Coryphantha</i>).....	3	
similis Engelm (<i>Neobesseya</i>).....		4
Sneedii (Britton & Rose) Cory (<i>Escobaria</i>).....		6
sphaerica Dietrich (<i>Dolicothele</i>).....	3	
sulcata Engelm. (<i>Coryphantha</i>).....		4

MAMMILLARIA—(Continued)

tuberculosa Engelm. (<i>Escobaria</i>).....		5-6
vivipara (Nutt.) Haworth (<i>Coryphantha</i>).....		5 7
Wrightii Engelm. (<i>Neomammillar</i>).....		6

OPUNTIA

aciculata Griffiths.....	3	
Allairei Griffiths.....	2	
anahuacensis Griffiths.....	2	
arenaria Engelm.....		6
atrispina Griffiths.....		5-6
Ballii Rose.....		6
Davisii Engelm. & Bigel.....		5 7
Engelmannii Salm-Dyck.....		5-6-7
fragilis (Nutt.) Haworth.....		7
fuscoatra Engelm.....	2	
Grahamii Engelm.....		6
grandiflora Engelm.....	1	4
humifusa Raf.....		4
imbricata (Haworth) DC.....		6-7
Kleinae DC.....		6
leptocaulis DC. Tasajillo		3-4-5-6-7
Lindheimeri Engelm.....		3-4-5-6
Macateei Britton & Rose.....	2	
Mackensenii Rose.....		5
macrocentra Engelm.....		6
macrorhiza Engelm.....		4-5
nemoralis Griffiths.....	1	
phaeacantha Engelm.....		7
polyacantha Haworth (<i>O. missouriensis</i> DC.).....		6-7
Pottsii Salm-Dyck (<i>O. filipendula</i> Engelm.).....		6
rufida Engelm.....		6
Schottii Engelm.....	3	
stricta Haworth.....	2	
strigil Engelm.....		6
tardospina Griffiths.....		3-4-5
tenuispina Engelm.....		6
tortispina Engelm.....		7
trichophora (Engelm.) Britt. & Rose.....		7

122. LYTHRACEAE (Loosestrife)

AMMANNIA

auriculata Willd.....	2	4
coccinea Rottb.....	1	3-4-5

DIDIPLIS

diandra (Nutt.) Wood.....		4
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HEIMIA (NESAEA)

longipes (A. Gray) Cory.....		3
salicifolia (H. B. K.) Link & Otto.....		2-3

LAGERSTROEMIA

indica L. Crape Myrtle	2	4
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LYTHRUM Loosestrife

alatum Pursh Winged Loosestrife	2-3-4-5	
lanceolatum Ell.....	2	4-5
lineare L.....	2	
linearifolium (A. Gray) Small.....		3-4 6
ovalifolium Engelm.....		4-5
Vulneraria Ait.....	2	4

RODALA

ramosior (L.) Koehne.....	1	
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123. MELASTOMACEAE (Meadowbeauty)

RHEXIA (Meadowbeauty)

lutea Walt.....	1	
mariana L.,		
var. leiosperma Fern. & Grisc. Maryland Meadowbeauty	1-2	4
virginica L. Common Meadowbeauty	2	4

124. ONAGRACEAE (Evening Primrose)

CIRCAEA

intermedia Ehrh.....	1	
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EPILOBIUM

Drummondii Nutt.....		7
glandulosum Lehm.,		
var. adenocaulon (Hausk.) Fernald.....		6

GAURA

biennis L.,		
var. Pitcheri Pickering (<i>G. Pitcheri</i> T. & G.)		4
brachycarpa Small.....		3-4-5 7
coccinea Pursh.....		3-4-5-6-7
var. glabra (Lehm.) T. & G.....		4 6-7
var. parviflora (Torr.) T. & G.....		6-7
filiformis Small.....	1-2	4
gracilis Woot. & Standl.....		5-6
Lindheimeri Engelm. & Gray	1-2	4
longiflora Spach.....		4 7
macrocarpa Rothrock.....	3	5-6-7
Nealleyi Coulter.....		6
odorata Sesse ex Lag. (<i>G. Drummondii</i> T. & G.).....		3-4-5 7
parviflora Dougl.....	2-3-4-5-6	
var. lachnocarpa Weatherby.....		4-5-6
sinuata Nutt.....	1	3-4-5-6-7
suffulta Engelm.....		4-5 7
tripetala Cav.,		
villosa Torr.....		3-4 7

JUSSIARIA (Primrose Willow)

angustifolia Lam.....	2	
decurrens (Walt.) DC.....		4
diffusa Forskl. (<i>J. repens</i> Sw.).....		2-3-4
leptocarpa Nutt.....	1-2-3-4	
suffruticosa L.....		3 5

LUDWIGIA (Seedbox)

alternifolia L.....	1	4
glandulosa Walt.....	1-2	
hirtella Raf.....	1-2	
linearis Walt.....	1	
natans Ell.....	1	4-5
var. rotundata (Griseb.) Fern. & Grisc.....	1	
palustris (L.) Ell.,		
var. americana (DC.) Fern. & Grisc.....	2	4
var. nana Fern. & Grisc.....	2	
pilosa Walt.....	2	

OENOTHERA (*HARTMANNIA*, *KENIFFIA*,

LA VAUXIA, et al.)

albicaulis Pursh (<i>O. pinnatifida</i> Nutt.)	4	7
biennis L. Evening Primrose	4-5	
brachycarpa A. Gray.....		6-7
var. Wrightii (A. Gray) Leveille.....		6
canescens Torr. & Frem.....		7
chamanerioides A. Gray.....		6
coronopifolia T. & G.....		6

OENOTHERA—(Continued)

Drummondii Hook.....	2-3-4-5	
Engelmanni (Small) Munz.....	5	7
Greggii A. Gray.....		6-7
var. lampsana (Buckl.) Munz.....	4-5	
var. Pringlei Munz.....	3	6
Hartwegii Benth.....	3	5-6-7
var. Fendleri A. Gray.....		6-7
var. filifolia (Eastw.) Munz.....		6-7
Havardi S. Wats.....		6
heterophylla Spach Tall Sand Primrose	4	7
Hookeri T. & G.....		6
Jamesii (T. & G.) Small.....		5-6
Kunthiana (Spach) Munz.....		5-6
laciniata Hill (including <i>O. mexicana</i> Spach).....	1	3-4-5 7
var. grandiflora (S. Wats.) Robinson.....		3-4 7
var. pubescens (Willd.) Munz.....		7
lavandulaefolia T. & G.....		7
var. glandulosa Munz.....		6-7
linifolia Nutt.....	1	
missouriensis Sims.....		4-5
var. incana A. Gray.....	3	7
var. oklahomensis (Norton) Munz.....		7
parviflora L.....	1	
primiveris A. Gray.....		6
rhubipetala Nutt.....	2	4 7
rosea Ait.....		6
runcinata (Engelm.) Munz.....		6
var. brevifolia (Engelm.) Munz.....		6
serrulata Nutt.....		4-5 7
var. Drummondii T. & G. (<i>Meriolix spinulosa</i> Heller).....		3-4-5-6-7
var. pinifolia Engelm.....		5-6-7
Spachiana T. & G.....	1	
speciosa Nutt.....		3-4-5 7
var. Berlandieri (Spach) Munz.....	2-3-4	
triloba Nutt.....		4-5 7
tubicula A. Gray.....	3	6-7
STENOSIPHON		
linifolius (Nutt.) Britton (<i>S. virgatus</i> Spach).....	4	7

125. HALORAGIDACEAE (Water Milfoil)

MYRIOPHYLLUM

heterophyllum Michx.....	1-2	4-5
pinnatum (Walt.) B. S. P.....	1-2	
proserpinacoides Gill.....	2	

PROSERPINACA

amblygona (Fernald) Small.....	1	
palustris L.....	3	5
pectinata Lam.....	2	

126. ARALIACEAE (Ginseng)

ARALIA

bicrenata Woot. & Standl.....		6
spinosa L. Hercules Club.....	1-2	4

127. UMBELLIFERAE (Parsley)

ALETES

acaulis (Torr.) Coulter & Rose.....		6
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AMMI

majus L.....	2	4
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AMMOSELINUM

Butleri (Engelm.) Coulter & Rose.....	2	4-5
Popei T. & G.....	2-3-4-5-6-7	

APIUM		
graveolens L. Celery		6
leptophyllum (Pers.) F. V. Muell. (<i>A. Ammi</i> Urban).....	1-2-3-4	
BERULA		
erecta (Huds.) Coville.....	2	4-5-6-7
BIFORA		
americana (DC.) S. Wats.....	2	4-5 7
BOWLESIA		
incana R. & P. (<i>B. septentrionalis</i> C. & R.).....	2-3-4-5	
CENTELLA		
asiatica (L.) Urban (<i>C. repanda</i> Small).....	1-2	4-5
CHAEROPHYLLUM		
Teinturieri Hook.....	1-2-3-4-5	
var. dasycarpum; (Nutt.) S. Wats.....	2-3-4-5-6-7	
texanum Coulter & Rose.....	2-3-4-5-6-7	
CICUTA		
Curtissii Coulter & Rose.....		5
maculata L. Wild Parsnip	2	4-5
COGSWELLIA (<i>LOMATIUM</i> , <i>PEUCEDANUM</i>)		
daucifolia (Nutt.) M. E. Jones Carrot-leaf Parsley		4
CONIUM		
maculatum L.....		5
CORIANDRUM		
sativum L. Coriander	2-3-4	6
CUMINUM		
Cyminum L. Cumin		4 6
CYMOPTERUS (<i>PHELLOPTERUS</i>)		
bulbosus Nels.....		
macrorhizus Buckl.....		4-5 7
multinervatus (Coulter & Rose) Tidestrom.....		6
CYNOSCIADIUM		
digitatum DC.....	2	4 7
pinnatum DC.....	2-3-4	
pumilum (Engelm. & Gray) Coulter & Rose.....	2-3-4	
DAUCOSMA		
laciniata T. & G. (<i>Ptilimnum laciniata</i> Kuntze).....	2	4-5
DAUCUS		
Carota L. Wild Carrot	1	
pusillus Michx. American Carrot	2-3-4-5	7
ERYNGIUM		
compactum Small.....		3
Baldwinii Spreng.....	1	
diffusum Torr.....		3-4-5 7
Hookeri Walp.....		2-3-4
integrifolium Walt.	1-2	4
var. ludovicianum (Morong) Coulter & Rose.....	1-2	
Leavenworthii T. & G.....	1	4-5-6-7
nasturtiifolium Juss.....		3
prostratum Nutt.....	1-2	4
synchaetum (A. Gray) Rose.....	1-2	4
Wrightii A. Gray.....		6
yuccifolium Michx. Button Snakeroot	1-2	4
EURYTAENIA		
texana T. & G.....		3-4-5
FOENICULUM		
vulgare Gaertn. (<i>F. foeniculum</i> Karst.) Fennel		4
HYDROCOTYLE		
bonariensis Lam.....		2-3-4-5
umbellata L.....		2-3-4-5
verticillata Thunb. (<i>H. interrupta</i> Muhl.) (<i>H. cuneata</i> Coulter & Rose).....	1-2	4-5
var. racemosa (Sesse & Moc.) Mathias (<i>H. australis</i> C. & R.)..	1-2-3-4-5	

OSMORHIZA			
longistylis (Torr.) DC.....			3-4
OXYPOLIS			
filiformis (Walt.) Britton.....		1	
rigida (L.) Raf.....		1	
PASTINACA			
sativa L. Parsnip	2		6
PETROSELINUM			
hortense Hoffm. Parsley			4
PHANEROTAENIA (<i>POLYTAENIA</i>)			
texana (Coulter & Rose) St. John.....			4-5
POLYTAENIA (<i>PLEIOTAENIA</i>)			
Nuttallii (DC.) Coulter & Rose Nuttall's Prairie Parsley	2		4
PSEUDOCYMOPTERUS			
montanus (A. Gray) Coulter & Rose.....			6
PTILIMNIUM			
capillaceum (Michx.) Hollick.....	2		4
Nuttallii (DC.) Britton.....	1		4-5
texense Coulter & Rose.....	1-2		
SANICULA			
canadensis L. Short Styled Snakeroot	1-2		4
Smallii Bicknell.....	1		4
SIUM			
suave Walt. (<i>S. cicutaefolium</i> Gmel.).....	2		4-5
SPERMOLEPIS			
divaricata (Walt.) Raf.....			2-3-4-5
echinata (Nutt.) Heller.....			2-3-4-5-6-7
patens (Nutt.) Robinson (<i>Apiastrum Patens</i> Nutt.).....			3-4-5-6
var. intermis (Nutt.) Mathias.....			4
TAUSCHIA (<i>MUSENIOPSIS</i>)			
texana A. Gray.....	2		4
TORILIS			
anthriscus (L.) Bernh. Erect Hedge-Parsley			4
nodosa (L.) Gaertn. Knotted Hedge-Parsley			2-3-4
TREPOCARPUS			
Aethusae Nutt.....	2		4 7
ZIZIA			
aurea (L.) Koch Goden Meadow Parsnip	2		4

128. CORNACEAE (Dogwood)

CORNUS			
asperifolia Michx. Roughleaf Dogwood	1-2		4-5
var. Drummondii Coulter & Evans.....			4
florida L. Flowering Dogwood	1-2		4
stricta Lam. (<i>C. candidissima</i> Marsh).....	1-2		4
NYSSA			
aquatica L. Big Tupelo	1-2		
sylvatica Marsh. Black Gum ,			
var. biflora (Walt.) Sarg.....	1-2		
var. caroliniana (Poir.) Fernald.....	1-2		
var. dilatata Fern.....	1		

129. ERICACEAE (Heath)

ARBUTUS			
texana Buckl. Texas Madrono			5-6-7
ARCTOSTAPHYLOS			
pungens H. B. K. Manzanita			6
HYPOPITYS			
sanguinea Heller Pine Sap			6
LYONIA			
ligustrina (L.) DC.....	1-2		
var. foliosiflora (Michx.) Fernald White Alder	1		
mariana (L.) D. Don Stagger Bush	1-2		4

PTEROSPORA

andromeda Nutt. **Pine drops**..... 6

RHODODENDRON (Azalea)

canescens (Michx.) G. Don **Hoary Azalea**..... 1-2

oblongifolium (Small) Millais..... 1

VACCINIUM

arboreum Marsh..... 1-2-3-4-5

var. glaucescens (Greene) Sarg..... 1 4

caesium Greene..... 1

Elliottii Chapm..... 1

Langloisii (Greene) Cory..... 1

stamineum L..... 1

virgatum Alt. **Rabbiteye Blueberry**..... 1-2

130. PLUMBAGINACEAE (Leadwort)

LIMONIUM (Sea Lavender) (Statice)

brasiliense (Boiss.) Small..... 2 4

californicum (Boiss.) Heller..... 3

limbatum Small..... 6

Nashi Small..... 2-3

PLUMBAGO

scandens L. **Texas Plumbago**..... 3

131. PRIMULACEAE (Primrose)

ANAGALLIS

arvensis L. **Scarlet Pimpernel**..... 1-2-3-4

ANDROSACE

glandulosa Woot. & Standl..... 6

occidentalis Pursh..... 4 7

CENTUNCULUS

minimus L. **False Pimpernel**..... 1-2-3-4

DODOCATHEON

Meadia L. **Shooting Star**..... 2 4

Stanfieldia Small..... 4

HOTTONIA

inflata Ell. **American Featherfoil**..... 2

SAMOLUS

alyssoides Heller..... 3

cuneatus Small..... 2-3-4-5

ebracteatus H. B. K..... 2-3-4

parviflorus Ref. (*S. floribundus* H. B. K.)..... 2-3-4-5-6

STEIRONEMA

ciliatum (L.) **Fringed Loosestrife**..... 1

hybridum (Michx.) Raf. **Lanceleaf Loosestrife**..... 1

radicans (Hook.) A. Gray **Trailing Loosestrife**..... 2

132. SAPOTACEAE (Sapote)

BUMELIA

angustifolia Nutt..... 3

lanuginosa (Michx.) Pers. **Woolly Buckthorn**..... 1-2-3-4-5 7

var. albicans Sarg..... 4-5

var. rigida (A. Gray) Sarg. (*B. rigida* Small)..... 3-4

lucida Small..... 1

lycioides (L.) Gaertn. **Southern Buckthorn**..... 2-3

monticola Buckl..... 5-6-7

Schottii Britton..... 2-3

texana Buckl..... 5 7

133. EBENACEAE (Persimmon)

DIOSPYROS

texana Scheele **Black or Mexican Persimmon**..... 1-2-3-4-5-6

virginiana L. **Eastern Persimmon**..... 1-2 4

134. STYRACACEAE (Storax)

HALESIA (<i>MOHRDENDRON</i>)		
carolina L.	1-2	
diptera Ellis Snowdrop Tree	1-2	
STYRAX		
americana Lam. American Snowball	1-2	
platanifolia Engelm. Sycamoreleaf Storax	2	4
pulverulenta Michx. Downy Storax	1-2	
SYMPLOCOS		
tinctoria (L.) L'Her.	1	

135. OLEACEAE (Ash)

CHIONANTHUS		
virginica L. White Fringe Tree	1-2	
FORESTIERA (<i>ADELIA</i>)		
acuminata (Michx.) Poir. Texas Adelia	2	4
angustifolia Torr.	2-3	5-6
neomexicana A. Gray (<i>F. parvifolia</i> Small)		4-5-6-7
pubescens Nutt.	2	4-5-6
reticulata Torr.		5-6
FRAXINUS		
americana L. White Ash	1-2	4
Berlandieriana DC.	2-3-4	6
caroliniana Mill. Water Ash	1-2	
cuspidata Torr. Fragrant Ash		6
Greggii A. Gray Gregg Ash		6
pennsylvanica Marsh,		
var. lanceolata (Buckl.) Sarg.	1-2	4-5
Standleyi Rehder,		
var. lasia Rehder.		6
texasensis (A. Gray) Sarg.		4-5
velutina Torr.		4-5-6
var. glabra Torr.	3	6
LIGUSTRUM		
ovalifolium L. California Privet	1-2	
vulgare L. European Privet	1-2	
MENODORA		
decemfida (Gill.) A. Gray,		
var. longifolia Steyermark		6
heterophylla Moric.	3-4-5	7
longiflora A. Gray (<i>M. pubens</i> A. Gray; <i>M. hispida</i> Palmer).		5-6
scabra A. Gray		6
var. laevis (Woot. & Standl.) Steyermark		6
var. ramosissima Steyermark		6

136. LOGANIACEAE (Logania)

BUDDLEIA		
Lindleyana Fort.	2	
marrubifolia Benth.	3	6
racemosa Torr.	3-4-5	
var. incana Torr.		4-5
scordioides H. B. K.	3	6
CYNOCTONUM		
Mitreola (L.) Britton (<i>Mitreola petiolata</i> T. & G.)	1-2-3-4-5	
sessilifolium (Walt.) J. F. Gmel.	2	
EMORYA		
suaveolens Torr.		6
GELSEMIUM		
sempervirens (L.) Ait. Yellow Jasmine	1-2	
POLYPREMUM		
procumbens L.		3-4-5

SPIGELIA

Lindheimeri A. Gray.....	4
marylandica L. Indian Pink	1 4
texana A. DC.....	1-2-3

137. GENTIANACEAE (Gentian)

BARTONIA (OBOLARIA)	
paniculata (Michx.) Robins.....	1
virginica (L.) B. S. P.....	1
CENTAURIUM (ERYTHRAEA)	
Beyrichii (T. & G.) Fernald Mountain Pink	3-4-5
calycosum (Buckl.) Fernald Buckley's Centaury	4-5
texense (Griseb.) Fernald Texas Centaury	4-5
EUSTOMA	
Russellianum (Hook.) Griseb. Prairie Gentian	1-2-3-4-5
var. gracile (Engelm.) A. Gray.....	2
FRASERA	
speciosa Dougl. Pyramid Flower	6
GENTIANA	
Saponaria L. Swamp Gentian	1
NYMPHOIDES (LIMNANTHEMUM)	
aquaticum (Walt.) Kuntze Floating Heart	1
SABATIA	
angularis (L.) Pursh Rose Pink	1
calycina (Lam.) Heller (<i>S. calycosa</i> Pursh) Coast Sabatia	2
campestris Nutt. Prairie Gentian	2-3-4-5
carnosa Small.....	2
gentianoides Ell.....	1-2
gracilis (Michx.) Salisb.....	2
stellaris Pursh Marsh Pink	2

138. APOCYNACEAE (Dogbane)

AMSONIA (Blue Texas Star)	
arenaria Standl.....	6
ciliata Walt.....	1-2 4-5
var. tenuifolia (Raf.) Woodson.....	5
var. texana (A. Gray) Coulter.....	2 4-5 7
illustris Woodson.....	1 4
longiflora Torr.....	3 6
salpignantha Woodson.....	3 5-6
Standleyi Woodson.....	6
Tabernaemontana Walt., var. salicifolia (Pursh) Woodson Willow Amsonia	2 4
APOCYNUM	
androsaemifolium L. Spreading Dogbane	1 4 6
cannabinum L. Hemp Dogbane	4-5
var. glaberrimum A. DC.....	4
var. pubescens (Mitchell) A. DC.....	4
medium Greene.....	6
var. floribundum (Greene) Woodson.....	6
sibiricum Jacq. (<i>A. hypericifolium</i> Ait.).....	4-5-6-7
Claspingleaf Dogbane	4-5-6-7
var. cordigerum (Greene) Fernald.....	4-5
var. salignum (Greene) Fernald.....	6
MACROSIPHONIA	
macrosiphon (Torr.) Heller.....	3 5-6
Wrightii A. Gray.....	6
NERIUM	
Oleander L. Oleander.....	1-2-3
TRACHELOSPERMUM (FORSTERONIA, SECONDATIA)	
diforme (Walt.) A. Gray.....	1-2-3-4

VINCA (*AMOCALLIS*, *CATRANTHUS*)

major L.....	4
minor L. Periwinkle	4
rosea L.....	1-2-3

139. ASCLEPIADACEAE (Milkweed)

ACERATES

angustifolia (Nutt.) Decne.....	4-5	7
auriculata Engelm.....	3-4-5-6-7	
floridana (Lam.) Hitchc. (<i>A. longifolia</i> Ell.).....	1-2	
viridiflora (Raf.) Eaton.....	2-3-4-5	

ASCLEPIAS

arenaria Torr. Sand Milkweed		6
amplexicaulis J. E. Smith (<i>A. obtusifolia</i> Michx.)		
Bluntleaf Milkweed		7
brachystephana Engelm. Short Crowned Milkweed		5-6-7
decumbens L. Decumbent Butterfly Weed	1	4
Emoryi (Greene) Vail.....		5
galioides H. B. K. Bedstraw Milkweed		5-6
glaucescens H. B. K. (<i>A. elata</i> Benth. ex Coulter).....		6
incarnata L. Swamp Milkweed	2	4-5
lanceolata Walt.,		
var. paupercula (Michx.) Fernald Few Flowered Milkweed ..	1-2	
latifolia (Torr.) Raf. Broadleaf Milkweed		4-5-6-7
laurifolia Michx.....	1-2	
Lindheimeri Engelm. & Gray (<i>A. longicornu</i> Benth.).....	2	4-5-6
linearis Scheele.....		3-4-5
macrotis Torr.....		6
nummularia Torr.....		6
nyctaginifolia A. Gray.....		6
obovata Ell.....	1	4
perennis Walt. Thinleaf Milkweed	1-2	5-6
pumila (A. Gray) Vail Low Milkweed	1	4 7
quinquedentata A. Gray.....		6
rubra L. Red Milkweed	1-2	4
speciosa Torr.....		7
stenophylla A. Gray Narrowleaf Milkweed		7
syriaca L. Silkweed		4
texana Heller.....	3	5-6
tuberosa L. Butterfly Milkweed	1-2	4-5
variegata L. White Milkweed	1-2	4
verticillata L. Whorled Milkweed	2	4-5
var. subverticillata A. Gray.....		3

ASCLEPIODORA

decumbens (Nutt.) A. Gray Antelope Horns	2-3-4-5-6-7
viridis (Walt.) A. Gray.....	2-3-4-5

FUNASTRUM (*PHILIBERTELLA*, *PHILIBERTIA*)

crispum (Benth.) Schlechter.....	3	5-6
cynanchoides (Decne.) Schlechter.....	3-4	6
heterophyllum (Engelm.) Small.....		6
Torreyi (A. Gray) Schlechter.....	3	6

GONOLOBUS (*ENSLENIA*)

laevis Michx. (<i>Enslenia albida</i> Nutt.) Vine Milkweed	1-2	4-5
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METASTELMA

barbigerum Scheele	3-4-5-6	
Blodgettii A. Gray.....	2-3	
Palmeri S. Wats.....	3	6
plumosa Small & Alexander.....		6

ROULINIELLA

unifaria (Scheele) Vail.....	3-4-5
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SEUTERA

palustris (A. Gray) Vail (<i>S. maritima</i> Decne.).....	2-3
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VINCETOXICUM

biflorum (Raf.) Heller	1	4-5	7
brevicoronatum (Robinson) Vail		3-4	
cynanchoides (Engelm.) Vail		4	7
gonocarpus Walt. Largeleaf Angle Pod	1-2-3		
parviflorum (Torr.) Vail		3	5
productum (Torr.) Vail			6-7
pubiflorum (Decne.) Vail	2		
reticulatum (Engelm.) Heller	2-3-4-5		
sagittaeifolius A. Gray			6

140. CONVULVULACEAE (Morning-glory)

BREWERIA

aquatica (Walt.) A. Gray	1-2		
humistrata (Walt.) A. Gray	1-2		
ovalifolia (Torr.) A. Gray		3	
Pickeringii (Curtis) A. Gray	2-3-4		7

CONVOLVULUS

arvensis L. Bind Weed	2	4-5	7
hermannioides A. Gray	2	4-5-6	
incanus Vahl. Hoary Bind Weed	2-3-4-5-6-7		
sepium L. Great Bind Weed	2		
var. pubescens (A. Gray) Fernald (<i>C. repens</i> L.)	1-2-3		

CRESSA

aphylla Heller	3		
truxillensis H. B. K.	3-4-5-6		

CUSCUTA

applanata Engelm.			6
Cephalanthi Engelm. Buttonbush Dodder		4	6
compacta Juss.	1-2	4	
Coryli Engelm. Hazel Dodder		4	
cuspidata Engelm.	2-3-4-5		7
decora Choisy		3-4	
exaltata Engelm.		3-4-5-6	
glandulosa (Engelm.) Small.		3-4	6
glomerata Choisy (<i>C. paradoxa</i> Raf.) Glomerate Dodder		4-5-6	
Gronovii Willd.	2	4	
var. calyprata Engelm.	1		
var. latiflora Engelm.		4	
var. vulvigaga Engelm.	2	4	
indecora Choisy	1-2-3		6
var. hispidula (Engelm.) Yuncker	1-2-3-4-5		
var. longisepala Yuncker		4-5	
var. neuropetala (Choisy) Hitchc.		3-4-5	
leptantha Engelm.		3-4	6
pentagona Engelm. (<i>C. arvensis</i> Beyr.)	2	4-5	
var. calycina Engelm.		4-5	
var. pubescens (Engelm.) Yuncker	3	5-6	
var. verrucosa (Engelm.) Yuncker	2-3-4		
Polygonorum Engelm. Smart Weed Dodder	1	4	
racemosa Martius,			
var. chiliana Engelm.			6-7
squamata Engelm.			6
tenuiflora Engelm.		4	7
umbellata H. B. K.	3		6
var. reflexa (Coulter) Yuncker	3		

DICHONDRA

argentea Willd.			6
brachypoda Woot. & Standl.			6
repens Forst.,			
var. carolinensis (Michx.) Choisy	1-2	4-5	

EVOLVULUS

linifolius L.	3	6
mollis Small.		5
Nuttallianus R. & S. (<i>E. pilosus</i> Nutt.)		4 7
sericeus Sw.	2	4-5

IPOMOEA (PHARBITIS, QUAMOCLIT, TURBINA)

barbatisepala A. Gray		6
barbigera Sweet	4	
cairica (L.) House	4	
cardiophylla A. Gray		6
coccinea L.	2	
var. hederifolia (L.) A. Gray		6
corymbosa (L.) Roth (<i>I. sidaefolia</i> Choisy)	2	
costellata Torr.		4 6
crassicaulis (Benth.) Robinson (<i>I. fistulosa</i> Mart; <i>I. texana</i> Coulter)	3	
hederacea (L.) Jacq.	1	4
heterophylla Ort.		6
hirsutula Jacq. (<i>I. mexicana</i> A. Gray)		6
lacunosa L. small White Morning-glory	1-2	4
leptophylla Torr. Bush Morning-glory		5 7
Lindheimeri A. Gray		5-6
longifolia Benth.		7
longistyla Benth.		6-7
macrorhiza Michx. (<i>I. Jalapa</i> Pursh, in part as to description)	1	3
pandurata (L.) G. F. W. Meyer	1	4
Pes-Caprae (L.) Sweet. Goatfoot Morning-glory	2-3	
pubescens Lam.		6
purpurea (L.) Roth		4-5-6
Quamoclit L.	1	
sagittata Cav. (<i>I. speciosa</i> Walt.)	2-3	
sinuata Ort.		3
stolonifera (Cyrill.) Poir. (<i>I. carnosa</i> R. Br.; <i>I. littoralis</i> Boiss.)	2-3	
tenuiloba Torr.		6
trichocarpa Ell. (<i>I. caroliniana</i> Pursh; <i>I. commutata</i> R. & S.)		5
trifida (H. B. K.) G. Don	2-3	4-5-6
var. Berlandieri A. Gray		4
var. Torreyana A. Gray	3	5-6-7
Wrightii A. Gray	3-4	

JACQUEMONTIA

tannifolia (L.) Griseb. Clustered Blue Morning-glory	1-2	4
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OPERCULINA

dissecta (Jacq.) House Alamo Vine	1-2-3	
tuberosa (L.) Meisn.	1	

141. POLEMONIACEAE (Phlox)

GILIA

aggregata Spreng. Scarlet Gilia		6
aurea Nutt.		6
Bigelovii A. Gray		6
filifolia Nutt.,		
var. diffusa A. Gray		4 6
incisa Benth. False Flax	3-4	5-6
inconspicua (Smith) Gougl.		5-6-7
*insignis (Brand) Comb. nov.		4-5-6-7
laxiflora (Coulter) Osterhout		6-7
longiflora (Torr.) Don White Flowered Gilia		6-7
multiflora Nutt.		6
polycladon Torr.		6
pumila Nutt. Low Gilia		6-7

*Based on *Gilia rigidula* subsp., *insignis* Brand, Pflanzenreich IV. 250 [Heft 27] p. 149 (1907)

GILIA—(Continued)

gilia rigidula Benth.,		
var. <i>acerosa</i> A. Gray		6-7
rubra (L.) Heller (<i>G. coronopifolia</i> Pers.) Red Gilia	4-5	
texana (Greene) Woot. & Standl.		6
Wrightii A. Gray		6

LOESELIA

Havardii A. Gray		6
scariosa (Mart. & Gal.) Walp. (<i>L. Greggii</i> S. Wats.)		6

PHLOX

aspera E. Nels.		4-5
divaricata L. Wild Blue Phlox, Sweet William	1	
Drummondii Hook. Drummond's Phlox	1-2-3-4-5	
var. <i>tenuis</i> A. Gray	1-2-3-4	
var. <i>villosissima</i> A. Gray	3	5
glaberrima L. Smooth Pink Phlox	1	
mesoleuca Greene		6
nana Nutt.		6
nivalis Lodd	1	
pilosa L. Prairie Phlox	1-2-3-4	
var. <i>detonsa</i> A. Gray	1	
Roemeriana Scheele		3-4-5
Stanburyi (Torr.) Heller		6
triovulata Thurb.		6

142. HYDROPHYLLACEAE (Waterleaf)

ELLISIA (*NYCTELEA*)

micrantha (<i>micrantha</i>) (Torr.) Brand (<i>Phacelia micrantha</i> Torr.)		6
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HYDROLEA (NAMA)

affine A. Gray	1-2	4
ovata Nutt.	1-2-3-4	

NAMA (*MARILAUNIDIUM*)

dichotomum Ruiz & Pavon (<i>Marilaunidium tenue</i>)	3	6
Havardii A. Gray		6
hispidula A. Gray Sand Bells	3-4-5-6	
var. <i>Mentzelii</i> Brand	3	6-7
var. <i>spathulatum</i> (Torr.) C. L. Hitchc.	3-4-5-6	
jamaicense L. Fiddleleaf	2-3-4-5-6	
stenocarpum A. Gray	3	
stenophyllum A. Gray	3	
var. <i>egenum</i> Macbr. (<i>Conanthus carusus</i> Wooton)		6
Stevensii C. L. Hitchc.		7
torynophyllum Greenm.		6
undulatum H. B. K.	3	
var. <i>macranthum</i> Choisy	3	
xylopodum (Woot. & Standl.) C. L. Hitchc.		6

NEMOPHILA

microcalyx (Nutt.) Fisch. & Mey.	1-2	4
phacelioides Nutt.	1-2-3-4-5	

PHACELIA

caerulea Greene		6
congesta Hook. Blue Curls	1-2-3-4-5-6-7	
var. <i>dissecta</i> A. Gray	4-5	
corrugata A. Nels.		7
crenulata Torr.		6
depauperata Woot. & Standl.		6
dubia (L.) Small (<i>P. parviflora</i> Pursh)	1-2-3-4	
glabra Nutt.	1	4-5
glandulosa Nutt.		6
heterophylla Pursh		6
hirsuta Nutt. Hairy Phacelia	1-2	4 7
integrifolia Torr. Crenateleaf Phacelia		6-7
laxa Small	2	
patuliflora A. Gray		3

PHACELIA—(Continued)

pimpinelloides A. Gray.....	4	
Popei T. & G.....		5-6-7
strictiflora (Engelm. & Gray) A. Gray.....	1-2	4 7

143. BORAGINACEAE

ANTIPHYTUM

floribundum (Torr.) A. Gray.....		6
COLDENIA (<i>PTILOCALYX</i>) (<i>STEGNOCARPUS</i>)		
canescens DC.....	3	5-6-7
Greggii (Torr.) A. Gray.....	3	6-7
hispidissima (Torr.) A. Gray.....		6-7
mexicana A. Gray.....	3	6

CORDIA

Boisseri DC. Wild Olive	3	
podocephala Torr.....	3	

CRYPTANTHA (Including *OREOCARYA*)

albida (H. B. K.) Johnston.....		5-6
angustifolia (Torr.) Greene.....		6
crassisejala (T. & G.) Greene Thick-sepaled Crypthanthe ...		6
Jamesii (Torr.) Payson,		
var. multicaulis (Torr.) Payson.....		5-6
micrantha (Torr.) Johnston.....		6
minima Rydb.....		6-7
oblata (James) Payson (<i>Oreocarya hispidissima</i>).....		6
Palmeri (A. Gray) Payson.....		5-6-7
ptercarya (Torr.) Greene,		
var. cycloptera (Greene) Macbride.....		6
pusilla (T. & G.) Greene.....		6-7
texana (A. DC.) Greene.....	3-4-5-6	

ECHIUM

vulgare L.....	1	
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EHRETIA

anacua (Berl.) Johnston (<i>E. elliptica</i> DC.) Anaqua	3-4	
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HACKELIA

grisea (Woot. & Standl.) Johnston (<i>Lappula grisea</i>).....		6
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HELIOTROPIUM

amplexicaule Vahl. (<i>Cochranea anchusaefolia</i> Guerke).....	1-2	4-5
angiospermum Murray (<i>H. parviflorum</i> L.).....	2-3	*
angustifolium Torr.....	3	5-6
confertifolium Torr.....	3	5-6
convolvulaceum A. Gray (<i>Euploca albiflora</i> Johnston).....		3-4-5-6-7
curassavicum L. (<i>H. xerophilum</i> Cockerell).....	2-3	4-5-6
europaeum L. European Heliotrope	2	
fruticosum L.....	3	
glabriusculum A. Gray.....		5-6
Greggii A. Gray.....		5-6
indicum L. (<i>Tiaridium indicum</i> Small) Indian Heliotrope	1-2-3-4	
procumbens Miller (<i>H. inundatum</i> Sw.).....	2-3-4	
tenellum Torr. (<i>Lithococca tenellum</i> Small).....	1-2	4-5 7

LAPPULA

Redowskii (Hornem.) Greene (<i>L. occidentalis</i> Greene).....		6-7
texana (Scheele) Britton Hairy Stick Seed	3-4-5-6-7	

LITHOSPERMUM

carolinense (Walt.) MacMill. (<i>L. Gmelini</i> Hitchc.; <i>L. hirtum</i>)....	1	4 7
cobrense Greene.....		6
incisum Lehm. (<i>L. linearifolium</i> Goldie).....	1-2-3-4-5-6-7	
matamorensis A. DC.....		3-4
mirabile Small.....		3-4-5
multiflorum Torr.....		6
viride Greene.....		6

MYOSOTIS

virginica (L.) B. S. P. Early Scorpion Grass		4
var. macrosperma (Engelm.) Fernald.....	1	4

OMPHALODES			
<i>aliena</i> A. Gray.....			6
ONOSMODIUM			
<i>bejarense</i> DC.....		3-4	
Helleri Small.....		4-5	
<i>hispidissimum</i> Mack. (<i>O. carolinianum</i> Small).....	1		
<i>molle</i> Michx.,			
var. <i>occidentalis</i> (Mack.) Johnston Soft False Gromwell	1	4	7
TOURNEFORTIA			
<i>monclovana</i> S. Wats. (<i>T. mollis</i> A. Gray).....			6
<i>volubilis</i> L. (<i>Myriopus volubilis</i> Small).....		3	

144. VERBENACEAE (Verbena)

AVICENNIA			
<i>nitida</i> Jacq.....		2-3	
BOUCHEA			
<i>linifolia</i> A. Gray.....	1	3-4-5	
<i>spatulata</i> Torr.....			6
CALLICARPA			
<i>americana</i> L. French Mulberry		1-2-3-4	
CITHAREXYLUM			
Berlandieri Robins.....		3	
<i>brachyanthum</i> A. Gray.....		3	
DURANTA			
Plumieri Jacq.....		3	
GOMOSTACHYUM			
<i>citrosium</i> Small.....		3	
LANTANA			
Camara L. (<i>L. horrida</i> H. B. K.).....		2-3-4	
<i>involuta</i> L.....		2-3	
<i>macropoda</i> Torr.....		3-4-5-6	
LIPPIA			
<i>alba</i> (Mill.) N. E. Brown.....		3	
Berlandieri Schauer (<i>L. graveolens</i> of authors) Red Brush		3	
<i>cuneifolia</i> Torr. Wedgeleaf Fog-Fruit		4-5	7
<i>geminata</i> H. B. K.....		3	
<i>incisa</i> (Small) Tidestrom.....		3	5
<i>lanceolata</i> Michx.,			
var. <i>recognita</i> Fern. & Griseb. Fog-fruit		2	4
<i>ligustrina</i> (Lag.) Britton White Brush		3	5-6
<i>macrostachya</i> S. Wats. Spatulate leaf Fog-fruit		3	
<i>modiflora</i> (L.) Michx.....		2-3-4	7
Wrightii A. Gray.....			6
SIPHONANTHUS			
<i>indicus</i> L.....		2	
VERBENA			
<i>ambrosifolia</i> Rydb. Western Pink Verbena		3	5-6
<i>bipinnatifida</i> Nutt. Smallflowered Verbena		1-2-3-4-5	7
<i>bonariensis</i> L.....		2	
<i>bracteata</i> Lag. & Rodr. (<i>V. bracteosa</i> Michx.).....	1	4-5-6-7	
<i>canadensis</i> (L.) Britton (<i>V. Aubletia</i> Jacq.) Verbena	1-2	4	
<i>canescens</i> H. B. K.,			
var. <i>Roemeriana</i> (Scheele) Perry.....		3-4-5-6-7	
<i>carnea</i> Medic. (<i>V. carolinensis</i> Gmel.).....	1	3	
<i>ciliata</i> Benth.,			
var. <i>longidentata</i> Perry.....		3-4-5	7
var. <i>pubera</i> (Greene) Perry.....			6
<i>denticola</i> Small.....		3	
<i>erinoides</i> Lam.....		1-2-3	
Halei Small.....		1-2-3-4-5	7
<i>hastata</i> L. Blue Vervain			7
<i>neomexicana</i> (A. Gray) Small.....			6
var. <i>hirtella</i> Perry.....			6

VERBENA—(Continued)

officinalis L. European Vervain	1-2-3-4	
perennis Wooton.....		6
plicata Greene.....		3-4-5-6-7
pumila Rydb.....	2-3-4	5-6-7
quadrangulata Heller.....		3-4
racemosa Eggert.....		5-6
rigida (L.) Spreng. (<i>V. venosa</i> Gillies & Hook.).....	1-2	
scabra Vahl.....	2	4
stricta Vent. Mullenleaf Vervain		4 7
tumidula Perry.....		5-6
urticifolia L. White Vervain	2	4
Wrightii A. Gray.....		6-7
xutha Lehm.....	1-2-3-4	
VITEX		
Agnus-Castus L.....	2-3	

145. LABIATAE (Mint)

AGASTACHE (*BRITTONASTRUM*, *CEDRONELLA*,
LOPHANTHUS)

cana (Hook.) Woot. & Standl. (<i>Cedronella cana</i> Hook.).....		6
micrantha (A. Gray) Woot. & Standl.....		6
meoexicana (Briq.) Standl. (<i>Brittonastrum neomexicanum</i>).....		6
nepetoides (L.) Kuntze (<i>Lophanthus nepetoides</i> Benth.).....	1	4
pallida (Lindl.) Cory (<i>Cedronella pallida</i> Lindl.).....		6

BLEPHILIA

ciliata (L.) Raf.....	1	
hirsuta (Pursh) Torr.....	1	4-5

BRAZORIA

scutellarioides (Hook.) Engelm. & Gray.....	2	4-5-6
truncata (Benth.) Engelm. & Gray.....	2-3-4-5	

CUNILA

origanoides (L.) Britt. (<i>C. mariana</i> L.) American Dittany	1	
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HEDEOMA

acinoides Scheele.....	2	4-5
ciliata Nutt. (<i>H. sancta</i> Small).....		4-5-6-7
Drummondii Benth.....	2-3-4-5	
hispida Pursh Rough Pennyroyal	4	7
lata Small.....		5-6
mollis Torr.....		6
plicata Torr.....		6
pulcherrima Woot. & Standl.....		6
Reverchoni A. Gray.....		4-5-6
serpyllifolia Small.....	4	
texana Cory (<i>H. ciliata</i> Benth., not Nutt.).....	3-4	
thymoides A. Gray (<i>H. nana</i> Briq.).....		4-5-6

HYPTIS (*MESOSPHAERIUM*)

radiata Willd.....	2-3	
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ISANTHUS

brachiatus (L.) B. S. P. False Pennyroyal	2	4-5
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LAMIUM

amplexicaule L. Henbit, Dead Nettle	1-2-3-4-5	7
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LEONOTIS

nepetaefolia A. Br. Lion Head	1-2	4-5
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LEONURUS

Cardiaca L. Motherwort	1	
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LYCOPUS

americanus Muhl. (<i>L. sinuatus</i> Ell.) Cutleaf Hoarhound	2	
europaeus L.,		
var. sinuatus A. Gray.....		7
rubellus Moench. Stalked Water Hoarhound	1-2	
velutinus Rydb.....	1	4
virginicus L. Bugle Weed	1-2	

MARRUBIUM

ulgare L. Hoarhound		3-4-5-6-7
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MENTHA

arvensis L. Field Mint	1-2-3	
var. glabrata (Benth.) Fernald (<i>M. Penardi</i> Rydb.)		6
piperita L. Peppermint		4 6
rotundifolia (L.) Huds. Roundleaf Mint	2	
spicata L. (<i>M. viridis</i> L.) Spearmint		4-5

MICROMERIA

pilosiuscula (Benth.) Small	2-3-4	
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MONARDA (Horsemint)

citriodora Cerv. ex. Lag. (<i>M. tenuiaristata</i> Small)	1-2-3-4-5-6-7	
clinopodioides A. Gray		3-4-5 7
fistulosa L. Longflowered Horsemint		4 6
var. menthaefolia (Benth.) Epling	2	7
var. mollis (L.) Epling (<i>M. scabra</i> Beck)	1	4
fruticulosa Epling		3
hirsutissima Small	1-2	4
pectinata Nutt. Prostrate Pink Horsemint		6-7
punctata L. Perennial Sandyland Sage	1	
var. occidentalis (Epling) Palmer & Steyermark		4 6-7
var. Stanfieldii (Small) Cory	1-2-3-4	7
var. villicaulis Pennell	1	3-4
stricta Wootn.		6

NEPETA

Cataria L. Catnip	1	3-4
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PERILLA

frutescens (L.) Britton Beefsteak Plant	1	
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PHYSOSTEGIA (*DRACOCEPHALUM*)

denticulata (Ait.) Britton	1-2	
Digitalis Small		3
intermedia (Nutt.) Engelm. & Gray	1-2	4
virginiana (L.) Benth.	2	4-5
var. obovata A. Gray		3 6
var. speciosa A. Gray	1	4

POLIOMINTHA

glabrescens A. Gray	3	6
incana (Torr.) A. Gray		6
mollis (Torr.) A. Gray		6

PRUNELLA

vulgaris L. Self-heal	1-2	4
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PYCNANTHEMUM (*KOELLIA*)

albescens T. & G. Whiteleaf Mountain Mint	1	4
flexuosum (Walt.) B. S. P. Narrowleaf Mountain Mint	1	

SALIZARIA

mexicana Torr.		6
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SALVIA

angustifolia Cav.,		
var. glabra A. Gray		6
arizonica A. Gray		6
azurea Lam.	1-2	4 7
ballotaeflora Benth. Shrubby Blue Sage		3-4-5-6
coccinea L.	1-2-3-4-5	
Earlei Woot. & Standl.		5-6-7
farinacea Benth. Mealy Sage	1	3-4-5
Greggi A. Gray Gregg Sage	3	5-6
Henryi A. Gray		6
lycioides A. Gray (<i>S. ramosissima</i> Fernald)		6
lyrata L. Lyreleaf Sage	1-2	4
Parryi A. Gray		6
penstemonoides Kunth	3	
pinguifolia Woot. & Standl.		6
Pitcheri Torr. (<i>S. azurea grandiflora</i> Benth.)	1-2	4-5-6-7
reflexa Hornem. (<i>S. lanceolata</i> Willd.)	2-3-4-5-6-7	
Regla Cav.		6

SALVIA—(Continued)	
Roemeriana Scheele.....	3-4-5-6
subincisa Benth.....	6
summa A. Nels.....	6
SALVIASTRUM	
dolichanthum Cory.....	5
Engelmanni (A. Gray) Briq.....	3
texanum Scheele.....	3-4-5-6
var. canescens (A. Gray) Cory.....	6
SATUREJA (<i>CALAMINTHA</i> , <i>CLINIPODIUM</i>)	
glabra (Nutt.) Fernald (<i>Calamintha Nuttallii</i> Benth.).....	1
SCUTELLARIA	
brevifolia A. Gray.....	1 4
cardiophylla Engelm. & Gray.....	1-2 4
Drummondii Benth. (<i>S. Helleri</i> Small).....	1-2-3-4-5-6-7
epilobifolia A. Hemilt. (<i>S. galericulata</i> of authors).....	1 4
integrifolia L. Hyssop Skullcap	1-2 4
var. hispida Benth.....	1-2
ovalifolia Pers. (<i>S. pilosa</i> Michx., not Hill).....	4 7
ovata Hill,	
var. bracteata (Benth.) Blake (<i>S. cordifolia</i> Muhl.).....	2-3-4-5
parvula Michx. Small Skullcap	1 4 7
resinosa Torr. (<i>S. Wrightii</i> A. Gray) Resinous Skullcap	2 4-5-6-7
STACHYS	
agraria Cham. & Schlecht.....	2-3-4-5
arvensis L. Field Woundwort	2
Bigelovii A. Gray.....	6
coccinea Jacq.....	6
Drummondii Benth. Pink Mint	2-3 6
TETRACLEA	
angustifolia Woot. & Standl.....	6
Coulteri A. Gray.....	5
TEUCRIUM (<i>MELOSMON</i>)	
canadense L. Wood Germander.....	2
var. virginicum (L.) Eaton (<i>T. canadense</i> of authors).....	1 4-5-6-7
cubense L. (<i>Melosmon depressum</i>) Small Coast Germander ...	2-3
laciniatum Torr. Cutleaf Germander	4-5 7
laevigatum Vahl.....	6
occidentale A. Gray.....	6
var. boreale (Bicknell) Fernald.....	1
TRICHOSTEMA	
dichotomum L. Blue Curls	1-2
146. SOLANACEAE (Nightshade)	
BOUCHETIA	
anomala (Miers) Britton & Rusby.....	4-5
CAPSICUM	
baccatum L. Chillipiquin	2-3-4-5
frutescens L.....	3
CESTRUM	
diurnum L.....	4
Parqui L'Her.....	2 4
CHAMAESARACHA	
Coronopus (Dunal) A. Gray.....	2-3-4 6
sordida (Dunal) A. Gray.....	2-3-4-5-6
DATURA	
innoxia Mill. (<i>D. Metel</i> of authors not L.).....	2-3
Metel L. (<i>D. fastuosa</i> L.) Entireleaf Thorn Apple	4
meteloides DC.....	2-3-4-5-6
quercifolia H. B. K. Oakleaf Thorn Apple	6-7
Stramonium L. Jimson Weed	2-3-4
Tatula L.....	4-5

LYCIUM (**Matrimony Vine**)

Berlandieri ex DC.....	3-4-5-6-7
var. brevilobum C. L. Hitchc.....	6
carolinianum Walt.,	
var. quadrifidum (Moc. & Sesse ex Dunal) C. L. Hitchc.....	2-3-4-5
pallidum Miers.....	6
puberulum A. Gray.....	6
Torreyi A. Gray.....	3 6-7

LYCOPERSICON

esculentum Mill.,	
var. cerasiforme Alef. Cherry Tomato	3
var. commune Bailey.....	1 3

MARGARANTHUS

solanaceus Schlecht.....	6
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NECTOUXIA

formosa H. B. K.....	6
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NICOTIANA

attenuata Torr.....	7
glauca Graham Sacred Mustard-Tronadora	3-4 6
plumbaginifolia Viv.....	3
repanda Willd.....	3-4-5
trigonophylla Dunal.....	3-4-5-6

NIEREMBERGIA

viscosa Torr. (<i>Leptoglossis texana</i> A. Gray).....	3 5
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PETUNIA

parviflora Juss. Wild Petunia	3-4-5-6
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PHYSALIS

angulata L. Cutleaf Ground Cherry	2 4
barbadensis Jacq. Barbadoes Ground Cherry	3
Carpenteri Riddell.....	3
comata Rydb. Hillside Ground Cherry	4 7
crassifolia Benth.....	6
Elliottii Kunze.....	2 4
hederaefolia A. Gray.....	6-7
var. puberula A. Gray.....	7
heterophylla Nees Clammy Ground Cherry	1 4 7
ixocarpa Brot. (<i>P. aquata</i> Jacq. f.) Mexican Ground Cherry ..	3 6-7
lanceifolia Nees.....	6
lanceolata Michx.....	1 4 7
lobata Torr. (<i>Quincula lobata</i> Britton).....	3 5-6-7
longifolia Nutt. Longleaf Ground Cherry	1 4 7
macrophysa Rydb. Large Bladder Ground Cherry	1 4 7
maritima M. A. Curtis (<i>P. viscosa</i> of authors, not L.).....	2
mollis Nutt.....	1-2-3-4-5 7
var. cinerascens (Duval) A. Gray.....	
obscura Michx.....	2
pendula Rydb Lanceleaf Ground Cherry	4 6
pubescens L. Low Hairy Ground Cherry	2-3-4
pumila Nutt. Low Ground Cherry	1 4 7
rotundata Rydb. Roundleaf Ground Cherry	7
subglabrata Mack. & Bush.....	7
subintegra Fernald.....	6
texana Rydb.....	2-3-4
turbinata Medic.....	1-2
virginiana Mill.,	
var. intermedia Rydb. (<i>P. intermedia</i> Ry b.).....	1
Wrightii A. Gray.....	4 7

SOLANUM (**ANDROCERA**)

aculeatissimum Jacq.....	1-2-3
carolinense L. Horse Nettle	1-2 4-5
citrullifolium A. Br. (<i>S. heterodoxum</i> of authors).....	5-6
eleagnifolium Cav. Silverleaf Nightshade	2-3-4-5-6-7
Fendleri A. Gray (<i>S. tuberosum</i> boreale A. Gray).....	1 4-5
interius Rydb.....	7

SOLANUM—(Continued)

Jamesii Torr.....		6
Lindheimerianum Scheele.....	3	5-6-7
Melongena L.....	2-3	
nigrum L. Nightshade	2-3-4-5	
var. nodiflorum (Jacq.) A. Gray (<i>S. nodiflorum</i> Jacq.).....		6
Pseudo-Capsicum L.....	2	
rostratum Dunal Buffalo-Bur	2-3-4-5-6-7	
sisymbriifolium Lam.....	1 2-3-4-5	
Torreyi A. Gray Purple Nightshade		5-6-7
triquetrum Cav. Vine Nightshade	3-4-5	7
verbascifolium L.....	2	

147. SCROPHULARIACEAE (Figwort)

BACOPA (Bramia)

acuminata (Walt.) Robinson Purple Hedge Hyssop	1-2	4-5
caroliniana (Walt.) Robinson (<i>Hydrotrida</i>) Blue Hyssop	2	
Monnieria (L.) Wettst.,		
var. cuneifolia (Michx.) Fernald.....	2-3-4-5-6	
procumbens (Mill) Greenm.,		
var. peduncularis (Benth.) Fernald.....	1-2-3-4-5-6	
rotundifolia (Michx.) Wettst. (<i>Macuillamia</i>).....	1-2	4-5 7

BUCHNERA

americana L. Blue Hearts		4-5 7
floridana Gandoger (<i>B. breviflora</i> Pennell).....	1-2-3-4-5	

CASTILLEJA

citrina Pennell.....		5 7
indivisa Engelm. Entireleaf Painted Cup	1-2-3-4	
integra A. Gray.....		5-6
labiata Pennell.....		5 7
lanata A. Gray.....		5-6-7
latebracteata Pennell.....		5-6-7
Lindheimeri A. Gray.....	3-4-5-6-7	
Mearnsii Pennell.....	3	
purpurea (Nutt.) G. Don.....	2	4-5-6-7
sessiflora Pursh Downy Painted Cup		6-7
Williamsii Pennell.....	3	

COLLINSIA

violacea Nutt. Violet Collinsia	1	4
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CONOBEA (*LEUCOSPORA*)

multifida (Michx.) Benth.....	1-2-3-4-5	7
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CORDYLANTHUS

Wrightii A. Gray.....		6
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GERARDIA

auriculata Michx.....	1	4
densiflora Benth. Cutleaf Gerardia		4-5 7
*dispersa (Small) N. Comb.....		
edwardsiana (Pennell) Pennell.....		5
var. glabra (Pennell) Pennell.....		5
fasciculata Ell.....	1-2	4
flava L.,		
var. reticulata (Raf.) Cory.....	1-2	
grandiflora Benth.....	1-2	4
var. cinerea (Pennell) Cory.....	1	4
var. serrata (Torr.) Robinson.....	1-2	
Gattingeri Small Gattingers Gerardia	1-2	4
heterophylla Nutt. Prairie Gerardia	1-2	4
homolantha (Pennell) Pennell.....	1	4
maritima Raf.,		
var. grandiflora Benth. Salt Marsh Gerardia	2-3	
microphylla (A. Gray) Small.....	2	
purpurea L. Large Purple Gerardia	1-2	

*Based on *Dasytoma dispersa* Small, Bull. Torr. Bot. Club, 28:452, 1901.

GERARDIA—(Continued)

strictiflora Benth.....			3
tenuifolia Vahl,			
var. leucanthera (Raf.) Pennell.....	1		
viridis Small.....	1-2		4

GRATIOLA

brevifolia Raf.....	1-2		4
flava Leavenw. apud Pennell (<i>G. pusilla</i> Torr.).....	1-2-3-4		
neglecta Torr. (<i>G. gracilis</i> Benth.; <i>G. Torreyi</i> Small).....	1-2		4
pilosa Michx. (<i>Tragiola</i>) Hairy Hedge Hyssop	1-2		4
virginiana L. Clammy Hedge Hyssop	1-2		4

LEUCOPHYLLUM

frutescens (Berl.) Johnston (<i>L. texana</i> Benth.) Ceniza.....		3-4-5-6	
minus A. Gray.....			6

LINARIA

canadensis (L.) Dum.-Cours. Blue Toad Flax	1-2	4-5	7
texana Scheele Texas Toad Flax	1-2-3-4-5-6-7		
vulgaris Hill. Butter & Eggs			2

LINDERNIA (*ILYSANTHES*)

anagallidea (Michx.) Pennell (<i>Ilysanthes inequalis</i> Pennell).....	1-2-3-4-5-6-7		
dubia (L.) Pennell.....	1-2		
var. major (Pursh) Pennell.....	1-2		

MAURANDYA

antirrhiniflora Humb. & Bonpl. Vine Blue Snapdragon		3-4-5-6	
Wislizeni A. Gray.....			6

MICRANTHEMUM (*GLOBOSA*)

umbrosum (Walt.) Blake.....	1-2		
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MIMULUS

alatus Ait. Sharp Winged Monkey Flower	1-2		4
glabratus H. B. K.....			4-5-6
var. Fremontii (Benth.) Grant.....			4-5-6

PEDICULARIS

canadensis L. Lousewort	1-2		
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PENSTEMON

acuminatus Dougl. Sharpleaf Penstemon			5-6-7
albidus Nutt. White Flower Penstemon			7
ambiguus Torr. Pink Plains Penstemon			6-7
baccharifolius Hook.....	3		5-6
barbatus (Cav.) Nutt.....			6
Buckleyi Pennell (<i>P. amplexicaulis</i> Buckl.).....			6-7
Cobaea Nutt. Cobaea Penstemon	1-2-3-4-5		7
dasyphyllus A. Gray.....			6
Digitalis (Sweet) Nutt. Foxglove Penstemon	1	4	
Fendleri T. & G.....			5-6-7
glaber Pursh,			
var. cynanthus A. Gray Smooth Penstemon			6
grandiflorus Nutt. Large Flower Penstemon		4-5	7
guadalupensis Heller.....		5	7
var. Ernesti (Pennell) Cory.....			7
Havardi A. Gray.....			6
hirsutus (L.) Willd.....			4
laxiflorus Pennell (<i>P. pauciflorus</i> Buckl.).....	1-2		4-5
linarioides A. Gray.....			6
Murrayanus Hook.....	1-2-3-4		
similis A. Nels.....			7
superbus A. Nels.....			6-7
tenuis Small.....	2		
Torreyi Benth.....			6
triflorus Heller (<i>P. Helleri</i> Small).....		3	5 7
var. integrifolius (Pennell) Cory.....		3	5 7
tubaeflorus Nutt.....	1	4	
Wrightii Hook.....			6-7

SCOPARIA

dulcis L.....			2
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SEYMERIA

Havardii (Pennell) Pennell.....		3	
macrophylla Nutt.....	1	4	
scabra A. Gray.....			6
texana (A. Gray) Pennell.....			5
virgata Benth.....			6

STEMODIA

Schottii Holz.....		3	6
tomentosa (Mill.) Greenm. & Thomps. (<i>S. lanata</i> R. & P.).....	2-3		

VERBASCUM

Blattaria L. Moth Mullen		2	
Thapsus L. Mullen	1	4-5	7
virgatum Stokes.....		2	

VERONICA

Anagallis-aquatic L. Water Speedwell		4	
arvensis L. Corn Speedwell			5
didyma Tenore (<i>V. polita</i> Fries).....		4	
humifusa Dickson.....			6
peregrina L. Purslane Speedwell	1-2	4	
var. xalapensis (H. B. K.) Pennell.....		2-3-4-5-6-7	
persica Poir. (<i>V. Tor Tournefortii</i> C. C. Gmel.).....			6
virginica L. (<i>Veronicastrum; Leptandra</i>).....	1		

148. LENTIBULARIACEAE (Bladderwort)

PINGUICULA

pumila Michx. Low Butterwort	1-2	5	
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UTRICULARIA

cornuta Michx.....	1-2	4	
fibrosa Walt. Fibrous Bladderwort		2	
gibba L. Swollenspurred Bladderwort	1		
inflata Walt. Large Swollen Bladderwort		2	4
juncea Vahl.....		2	4
macrorhiza LeConte (<i>U. vulgaris</i> L., var. <i>americana</i>).....	1	4-5	
pumila Walt. (<i>U. biflora</i> Lam.) Two-flowered Bladderwort		2	4
radiata Small Swollen Bladderwort			4
subulata L.....	2-3	5	

149. OROBANCHACEAE (Broomrape)

CHONOPHOLIS

mexicana A. Gray Mexican Squawroot			6
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EPIFAGUS

virginiana (L.) Bart. Beach-drops	1-2		
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OROBANCHE (*APHYLLON, MYZORRHIZA, THALESIA*)

ludoviciana Nutt. Louisiana Broomrape		3-4-5	7
var. Cooperi (A. Gray) G. Beck.....			6
var. latifolia Munz.....			6
multiflora Nutt.....			6
uniflora L.,			
var. purpurea (Heller) Munz One-flower		3-4	

150. BIGNONIACEAE (Trumpetreeper)

BIGNONIA

capreolata L. (not <i>B. crucigera</i> L.) Cross Vine	1-2		
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CAMPSIS

radicans (L.) Seem. Trumpetreeper	1-2	4	
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CATALPA

bignonioides Walt. (<i>C. Catalpa</i> Karst.) Catalpa	1-2		
speciosa Warder Western Catalpa		1	

CHILOPSIS

linearis (Cav.) D.C. Desert Willow		3-4-5-6	
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PAULOWNIA

tomentosa (Thumb.) Baill. 3

TECOMA

stans (L.) Juss.,
var. angustifolia Rehder. 6

151. MARTYNIACEAE (Unicorn)

MARTYNIA

arenaria Engelm. 6
fragrans Lindl. 3
louisianica Mill. **Unicorn Plant**. 1-2-3-4-5 7
parviflora Woot. 6

152. ACANTHACEAE (Acanthus)

ANISACANTHUS

insignis A. Gray 6
Wrightii (Torr.) A. Gray 2-3-4

BELEPERONE

comosa Nees 3

CARLOWRIGHTIA

glabrata Fernald 3
linearifolia (Torr.) A. Gray 6
pubens A. Gray (*Croftia*) 2-3 6DIANTHERA (*CROFTIA*)americana L. **Denseflowered Water Willow** 4-5
humilis Engelm. & Gray 2
lanceolata (Chapm.) Small **Narrowleaf Water Willow** 4
ovata Walt. **Looseflowered Water Willow** 2-3-4-5 7
parvifolia (Torr.) A. Gray 3 5DICLIPTERA (*DIAPEDIUM*)brachiata (Pursh) Spreng. 1-2-3-4
var. attenuata A. Gray 1 4DYSCHORISTE (*CALOPHANES*)crenulata Kobuski 3
decumbens (A. Gray) Kuntze 6
linearis (T. & G.) Kuntze 2-3-4-5-6-7ELYTRARIA (*TUBIFLORA*)acuminata (Small) Cory (*Tubiflora acuminata* Small) 2-3
bromoides Oersted 3
squamosa (Jacq.) Kuntze 2
tridentata Vahl 6GATESIA (*YEATSIA*)laete-virens (Buckl.) A. Gray (*Yeatsia viridiflora*) 1

HYGROPHILA

lacustris (Schlecht.) Nees 1 4

JUSTICIA

Runyonii Small 3
Wrightii A. Gray 3 6

RUELLIA

ciliosa Pursh,
var. humilis Britton **Hairy Ruellia** 1 4-5 7
Drummondiana (Nees) A. Gray 3-4-5
intermedia Leonard 3
noctiflora (Nees) A. Gray
nudiflora (Engelm. & Gray) Urban 1-2-3-4
var. occidentalis (A. Gray) Leonard 3 5
Parryi A. Gray 3 6
parviflora (Nees) Britton **Slender Hairy Ruellia** 1 4
pedunculata Torr. **Stalked Ruellia** 1 4
strepens L. **Smooth Ruellia** 4
var. cleistantha A. Gray 1 4

SIPHONOGLOSSA

Dipterocanthus (Nees) Heller	2-3	
Greggii Greenm. & Thompson	3	
longiflora (Torr.) A. Gray		6
pilosella (Nees) Torr.	4-5-6	

STENANDRIUM

barbatum T. & G.		6
dulce Nees	3	

TETRAMERIUM

hispidum Nees	4	6
platystegium Torr.	3-4	6

THUNBERGIA

alata Bojer	2	
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153. PHRYMACEAE (Lopseed)

PHRYMA

Leptostachya L.	1	4
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154. PLANTAGINACEAE (Plantain)

PLANTAGO

aristata Michx.		4-5	7
elongata Pursh (<i>P. myosuroides</i> Rydb.)		4	6-7
Helleri Small	2	4-5-6-7	
heterophylla Nutt. Many Seeded Plantain	1-2	4	
Hookeriana R. & M.		4	
inflexa Morris		3-4	6
lanatifolia (Coulter & Fisher) Small		3-4	
lanceolata L.	2		
major L. Dooryard Plantain		4	6
occidentalis Decne. Winter Fat, Tallow Weed	2	4-5	7
Purshii R. & S.	2	4-5-6-7	
pusilla Nutt.	1-2	4-5	
rhodosperma Decne.		3-4-5	7
Rugelii Decne.		4	6-7
spinulosa Decne.		4	7
verticillata Morris		3	
virginica L.	1-2-3-4		
var. longifolia A. Gray	3		
Wrightiana Decne.		4-5	

155. RUBIACEAE (Madder)

BORRERIA

podocephala DC. (<i>Spermacoce podocephala</i> A. Gray)	3	
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BOUARDIA

ternifolia (Cav.) Schlecht.		6
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CEPHALANTHUS

occidentalis L. (including var. <i>pubescens</i> Raf.)	1-2-3-4-5-6-7	
var. pubescens Raf.	3-4-5	

CHIOCOCCA

alba (L.) Hitchc.	3	
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DIODIA

teres Walt. Rough Buttonweed	1-2-3-4-5	
var. setigera Fern. & Griseb.	3	
virginiana L. Larger Buttonweed	1-2	4

GALIUM

Aparine L. Goosegrass	2	4-5
boreale L. Northern Bedstraw		6
circaezans Michx. Crosscleavers	4	6
mexicanum Michx.		6
microphyllum A. Gray		6
pilosum Ait. Hairy Bedstraw	2	4 6
proliferum A. Gray		5-6

GALIUM—(Continued)

Rothrockii A. Gray.....			6
texanum (T. & G.) Wiegand.....		2-3-4-5	
tinctorium L. (<i>G. Claytonii</i> Michx.) Stiff Marsh Bedstraw	1-2-3-4		
triflorum Michx. Fragrant Bedstraw	1	4	
uncinatum DC., var. obstipum S. Wats.....			6
uniflorum Michx.....		4	
Vaillantii DC. Vaillantii Goosegrass			5-6
virgatum Nutt. Southwestern Bedstraw	2-3-4-5		
Wrightii A. Gray.....			6
HOUSTONIA			
acerosa A. Gray.....		3	5-6-7
angustifolia Michx. (<i>H. tenuis</i> Small) Narrowleafed	1-2-3-4-5		7
var. filifolia A. Gray.....		3-4	
Croftiae Britt. & Rusby.....		3	
fasciculata A. Gray.....			6
humifusa A. Gray.....		3-4-5	
minima Beck.....	2	4	7
parviflora Holzinger.....		4	
patens Ell. (<i>H. minor</i> Britt.).....	2	4	
polypremoides A. Gray.....			6
purpurea L.....	1		
rubra Cav.....			6
rupicola Greenm.....		3-4-5	
subviscosa (Wright) A. Gray.....		4	7
tenuifolia Nutt. Slenderleaf Houstonia	1		
Wrightii A. Gray.....			6
MITCHELLA			
repens L. Partridgeberry		2	
MITRACARPUM			
hirtum (L.) DC.....		3	
OLDENLANDIA			
Boscii (DC.) Chapm.....	1-2		
uniflora L.....		2	
PENDTODON			
Halei (T. & G.) A. Gray.....	1-2		
RANDIA			
aculeata L.....		3	
RICHARDIA			
brasiliensis (Moq.) Gomez.....		3	
scabra L.....	1-2	4	
tricocca (T. & G.) Standl. (<i>Crusea allococca</i> A. Gray).....		4	7
SPERMACOCE			
glabra Michx. Smooth Buttonweed	1-2	4	
156. CAPRIFOLIACEAE (Honeysuckle)			
LONICERA			
albiflora T. & G.....		4-5	7
var. dumosa A. Gray.....			6-7
arizonica Rehder.....			6
japonica Thunb.....	1-2	4	
sempervirens L. Evergreen Coral Honeysuckle	1-2	4	6
SAMBUCUS			
canadensis L. American Elder	1-2	4-5	
var. submollis Rehder.....	1	4-5	
coerulea Raf. Blue Elderberry			6
var. arizonica Sarg.....			6
Rehderana Schwerin (not <i>S. mexicana</i> Presl.).....	3	5-6	
SYMPHORICARPOS			
longiflorus A. Gray.....			6
orbiculatus Moench (<i>S. vulgaris</i> Michx.) Coralberry	1-2	4	
oreophilus A. Gray.....			6
rotundifolius A. Gray.....			6

VIBURNUM

acerifolium L. Mapleleaf Arrowwood	1	
molle Michx.....	1	
nudum L. Naked Withe-rod	1-2	
rufidulum Raf. (<i>V. rufotomentosum</i> Small).....	2	4-5
scabrellum (T. & G.) Chapm. (<i>V. semitomentosum</i> Rehder).....	1-2	

157. VALERIANACEAE (Valerian)

VALERIANA

texana Steyermark Texas Valerian		6
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VALERIANELLA

amarella Krok.....	2	4-5-6
radiata (L.) Dufur. Beaked Corn Salad	1-2	4
stenocarpa (Engelm.) Krok. Narrowleaf Corn Salad	2	4-5
Woodsiana (T. & G.) Walt. Wood's Corn Salad	1-2	4

158. DIPSACACEAE (Teasel)

DIPSACUS

silvestris Huds. Card Teasel	1	
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159. CUCURBITACEAE

APODANTHERA

undulata A. Gray.....		6
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CITRULLUS

vulgaris (L.) Schrad.....	3	6
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CUCUMIS

Anguria L.....	2-3	
Melo L.....	1-2-3	

CUCURBITA

foetidissima H. B. K.....		3-4-5-6-7
Pepo L., var. ovifera Alef. (<i>C. texana</i> A. Gray) Wild Gourd		3-4-5

CYCLANTHERA

dissecta (T. & G.) Arn. Bur Cucumber		4-5
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ECHINOCYSTIS

lobata (Michx.) T. & G. Wild Cucumber	2	4
Wrightii Cogn. Balsam Apple		6

IBERVILLEA

Lindheimeri (A. Gray) Greene Wild Balsam, Yerba de Vibrona		3-4-5
tenella (Naud.) Small.....		3
tenuisecta (A. Gray) Small.....		3 5-6
tripartita (Naud.) Greene.....	2	

LAGENARIA

Siceraria (Molina) Standl.....		3-4
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MELOTHRIA

chlorocarpa Engelm.....	1	
pendula L. Creeping Cucumber		2-3-4

MOMORDICA

Charantia L.....	2	
Balsamina L.....	2	

SICYOS

angulatus L. One-seeded Bur Cucumber	1	4-5
parviflorus Willd.....		6

160. CAMPANULACEAE (Blue Bell)

CAMPANULA (Bellflower)

petiolata A. DC. (<i>C. rotundifolia</i> of authors).....		6
Reverchonii A. Gray.....		5

SPECULARIA

biflora (R. & P.) F. & M. Small Venus Looking Glass	2	4-5
coloradoensis (Buckl.) Small.....		3-4-5

SPECULARIA—(Continued)

leptocarpa (Nutt.) A. Gray Western Venus Looking Glass	4	7
Lindheimeri Vatke.....	2	
perfoliata (L.) A. DC. Venus Looking Glass	2-3-4-5	

161. LOBELIACEAE (Lobelia)

LOBELIA

appendiculata A. DC.....	1-2	
cardinalis L. Cardinal Flower	1-2	4
Cliffortiana L.....		3
var. brachypoda A. Gray (<i>L. brachypoda</i> A. DC.).....	2-3	
fenestralis Cav.....		6
Halei Small (<i>L. ludoviciana</i> A. Gray).....	2	4
puberula Michx.,		
var. glabella Hook.....	2	
var. mineolana Wimmer.....	1-2	4
var. pauciflora Bush.....	1	
siphilitica L.,		
var. ludoviciana A. DC.....		4
splendens Willd.....	3-4-5-6-7	

NEMACLADUS

ramosissimus Nutt.,		
var. montanus A. Gray.....		6

SPHENOCLEA

zeylanica Gaertn.....	2	
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162. COMPOSITAE (Composite)

ACHILLEA

Millefolium L. Yarrow milfoil	1-2	4-5
var. lanulosa (Nutt.) Piper.....		7

ACTINEA (*ACTINELLA*, *HYMENOXYIS*, *TETRANEURIS*)

aculis (Pursh) Spreng. Stemless Bitterweed		5-6-7
linearifolia (Hook.) Kuntze Fineleaf Bitterweed	3-4-5-6	
odorata (DC.) Kuntze Western Bitterweed Limonilla	3-4-5-6-7	
Richardsonii (Hook.) Kuntze,		
var. floribunda (A. Gray) Cory.....		6
scaposa (DC.) Kuntze Stemmed Bitterweed	4	7
var. linearis (Nutt.) Robinson.....	3-4-5-6	
texana (Coulter & Rose) Cory Texas Bitterweed	2-3	

AGERATUM

corymbosum Zuccag.....	3	
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AMBLYOLEPIS

setigera DC.....	3-4-5-6-7	
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AMBROSIA

aptera DC. Blood Weed	1-2-3-4-5	
artemisaefolia L.,		
var. elatior (L.) Desc. Ragweed	1-2-3-4-5	
bidentata Michx. Lanceleaf Ragweed	1	4 7
psilostachya DC. (<i>Acoronopifolia</i> T. & G.).....	1	3-4-5 7
trifida L. Horseweed	1-2	4

ANTENNARIA

fallax Greene, var. calophylla (Greene) Fern.....	1	
plantaginifolia (L.) Richards.....	1-2	

ANTHEMIS

Cotula L. Mayweed, Dogfennel	1	4
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APHANOSTEPHUS (**White Daisy**)

humilis (Benth.) A Gray Poorland Daisy		4-5-6-7
Kidderi Blake.....	3	
ramosissimus DC. (<i>A. Riddellii</i> T. & G.).....		4-5 7
skirrhobasis (DC.) Trelease (<i>A. arkansanus</i> A. Gray)		
White Daisy	1-2	4-5
var. Hallii (A. Gray) Blake.....	2	4

APLOPAPPUS (*SIDERANTHUS*, *PRIONOPSIS*, *ISOCOMA*, *BIGELOVIA*)

annuus (Rydb.) Cory. (<i>Sideranthus annuus</i> Rydb.)			7
aureus A. Gray	2		
ciliatus (Nutt.) DC. (<i>Prionopsis ciliatus</i> Nutt.)	2-3-4-5-6-7		
divaricatus (Nutt.) A. Gray	3-4-5		
Drummondii (T. & G.) Blake	3		
fruticosus (Rose & Standl.) Blake (<i>A. coronopifolius</i> A. Gray)			6-7
gracilis (Nutt.) A. Gray			6-7
gymnocephalus DC. (<i>Aster gymnocephalus</i> A. Gray)			6
heterophyllus (A. Gray) Blake (<i>Isocoma Wrightii</i> Rydb.)	3	5-6-7	
Hookerianus (T. & G.) A. Gray		4-5	
laricifolius A. Gray			6
megacephalus (Nash) Hitchc.	2		
phyllocephalus DC. (includes <i>A. rubiginosus</i> T. & G.)	2-3	5-6	
plurifolius (T. & G.) Hall			6
spinulosus (Pursh) DC. cutleaf Aplopappus	3	5-6	
var. glaberrimus (Rydb.) Blake (<i>S. Machaeranthera</i>)			7
var. scabrellus (Greene) Blake			5-6
var. turbinellus (Rydb.) Blake (<i>Sideranthus australis</i> Rydb.)			5-6
validus (Rydb.) Cory (<i>Isopappus validus</i> Rydb.)			7

ARCTIUM

Lappa L.	3		
minus Schk. Burdock			4

ARTEMISIA

Bigelovii A. Gray Bigelow Sagebrush			7
Carruthii Wood			7
caudata Michx.	4		7
cuneata Rydb. Wild wormwood			7
dracunculoides Pursh Linearleaf Wormwood	4-5-6-7		
var. glauca (Pall.) Munz			6
filifolia Torr. Silvery Wormwood			5-6-7
frigida Willd. Pasture Sagebrush			7
gracillima Rydb.			6
Lindheimeriana Scheele			4-5
ludoviciana Nutt. Darkleaf Mugwort	1		4
var. gnaphalodes (Nutt.) T. & G.			4-5
mexicana Willd. Mexicana Mugwort	3	5-6	
redolens A. Gray			6
silvicola Osterhout			7

ASTER

azureus Lindl. Sky Blue Aster			4
Boltoniae Greene			6
canescens Pursh			7
capillaceus Burgess	3		
coerulescens DC.			4-5-6
commutatus (T. & G.) A. Gray White Prairie Aster			5 7
var. polycephalus (Rydb.) Blake			7
continuus Small			4
Drummondii Lindl. Drummond Aster	2	5	
dumosus L.,			
var. coridifolius (Michx.) T. & G. Ricebutton Aster	2		
var. subulaefolius T. & G.	2	4-5	
ericoides L. (<i>A. multiflorus</i> of authors; <i>A. exiguus</i> Rydb.)			4-5-6-7
exilis Ell.	2-3-4-5-6		
Fendleri A. Gray Fendler Aster			7
hebecladus DC.			4-5-6
hemisphaericus Alexander	1		
hirtiflorus Blake			7
hirtellus Lindl.			4
laevis L. Smooth Aster			6
lateriflorus (L.) Britton Starved Aster	2		
leucelene Blake			6
linarifolius L. Savorleaf Aster			1

ASTER—(Continued)

linearis (Greene) Cory.....		6	7
oblongifolius Nutt. Aromatic Aster			7
var. rigidulus A. Gray (<i>A. Kumleini</i> Fries).....	4		7
Palmeri A. Gray.....	3		
paludosus Ait. Southern Swamp Aster	2		
pantotrichus Blake (<i>A. missouriensis</i> Britton, not Kuntze).....	2		
patens Ait.....	2	4	7
parvulus Blake. (<i>A. parviflorus</i> A. Gray, not Nees).....			6
patentissimus Lindl.....		4	
pauciflorus Nutt.....			6-7
pedionomus Alexander.....	1		
phyllolepis T. & G.....		3-4	
pilosus Willd.....			5-6
var. demotus Blake.....			6
poaceus Burgess.....	1	4	
praealtus Poir. (<i>A. salicifolius</i> Ait.).....			4-5
var. imbricator Wiegand.....			4-5
var. subasper (Lindl.) Wiegand.....			4-5
var. texicola Wiegand.....			5
sagittifolius Willd.,			
var. dissitiflorus Burgess Arrowleaf Aster			4-5
sericeus Vent. Silky Aster	2	4	
sericocarpoides (Small) K. Schum.....	1		
spinosus Benth.....	2	4-5-6-7	
tagetinus (Greene) Blake (<i>A. tanacetifolius</i> pygmaeus).....			6
tanacetifolius H. B. K. Tansy Aster			4-5-6-7
tenuicaulis (Mohr.) Burgess.....	1	4	
texanus Burgess.....			4-5
trigonicus Burgess.....			4
umbellatus Mill.,			
var. latifolius A. Gray (<i>Doellingeria humilis</i> Britt.).....	1		
var. vernalis (Engelm.) Burgess.....			5
var. vimineus Lam. Small White Aster			6
var. virgatus Ell. (<i>A. purpuratus</i> Nees).....	1		
var. Wrightii A. Gray.....			6
ASTRANTHIUM			
integrifolium (Michx.) Nutt.....	1-2	4	
var. rosulatum Larsen.....	1-2-3-4		6
BACCHARIS			
angustifolia Michx.....	2-3-4		
Bigelovii A. Gray.....			6
Emoryi A. Gray.....			5-6
glutinosa Pers.....	3	5-6	
halimifolia L. Groundsel-tree	2-3-4		
Havardi A. Gray.....			6
neglecta Britt. Linearleaf Baccharis	3-4-5-6		
ramulosa (DC.) A. Gray (<i>B. pteronioides</i> DC.).....			6
salicina T. & G. Willow Baccharis			5-6-7
texana A. Gray.....			5
Wrightii A. Gray Wrights Baccharis	2		6
BAHIA			
absinthifolia Benth.....	3	6	
var. dealbata A. Gray.....			6
Bigelovii A. Gray.....			6
biternata A. Gray.....			6
neomexicana A. Gray.....			6
oppositifolia Nutt.....			7
pedata A. Gray.....			6
BAILEYA			
multiradiata Harv. & Gray.....			6
BEBBIA			
juncea (Benth.) Greene.....			6

BERLANDIERA

dealbata (T. & G.) Small.....	1-2	4
lyrata Benth. Lyrateleaf Berlandiera		5-6
macrophylla (A. Gray) M. E. Jones.....		6
texana DC. Berlandier Daisy	1	3-4-5

BIDENS

aristosa (Michx.) Britton Western Tickseed Sunflower	1	4
Bigelovii A. Gray.....		6
bipinnata L. Spanish Needles	2	4
discoidea (T. & G.) Britt. (<i>Coreopsis discoidea</i> T. & G.).....		4
frondosa L. Sticktight	2	4-5
laevis (L.) B. S. P. (<i>B. Nashii</i> Small; <i>B. chrysanthemoides</i>).....		3-4-5
polylepis Blake (<i>B. involucrata</i> Britton).....	2	

BOLTONIA

asteroides L'Her. Aster Boltonia		5
diffusa Ell.....	1-2	4

BORRICHIA

frutescens (L.) DC.....	2-3	
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BOURDONIA (KEERLIA)

bellidifolia (Engelm. & Gray) Greene.....		4-5
effusa (A. Gray) Greene.....		4-5

BRICKELLIA

baccharidea A. Gray.....		6
bachyphylla A. Gray.....		6
californica (T. & G.) A. Gray (<i>B. Wrightii</i> A. Gray).....		6
var. reniformis (A. Gray) Robinson.....		6
Coulteri A. Gray.....		6
cylindracea Engelm. & Gray.....		4-5
dentata (DC.) Sch.-Bip. (<i>B. Riddellii</i> Kuntze).....	2	4-5
Fendleri A. Gray.....		6
grandiflora (Hook.) Nutt. Largeflower Thoroughwort		6
laciniata A. Gray.....		5-6
parvula A. Gray.....		6

CACALIA (MESADENIA)

lanceolata Nutt.....	1-2	
ovata Walt.....	2	
tuberosa Nutt. Tuberous Indian Plantain		4

CALYCOSERIS

Wrightii A. Gray.....		6
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CALYPTOCARPUS

vialis Less. Prostrate Sunflower		3-4-5
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CARMINATIA

tenuiflora DC.....		6
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CARPHOCHAETE

Bigelovii A. Gray.....		6
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CENTAUREA

americana (Don) Nutt. Sultana Star Thistle	2	4-5-6
melitensis L. Rayless Winged Centaury	2-3	4-5
repens L. Turkestan Thistle		6

CHAETOPAPPA

asteroides (Nutt.) DC. Least Daisy	1-2-3-4	
var. imberbis A. Gray.....	2	4
modesta (DC.) A. Gray.....	3	6
Parryi A. Gray.....		4-5

CHAPTALIA

nutans (L.) Polak.....		3-4-5
tomentosa Vent. (<i>Thyranthema semifloculare</i> Kuntze).....	1	4

CHRYSACTINIA

mexicana A. Gray False Damiana		5-6-7
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CHRYSANTHEMUM

Leucanthemum L. White Weed Oxeye Daisy	1	4
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CHRYSOPSIS

Berlandieri Greene (<i>C. canescens</i> T. & G.).....		4-5
fulcrata Greene.....		7

CHRYSOPSIS—(Continued)

graminifolia (Michx.) Nutt. Grassleaf Golden Aster	1-2	4	
horrida Rydb.....			7
microcephala Small.....	1-2		
pilosa Nutt. (<i>C. Nuttallii</i> Britton).....	1-2-3-4-5		
stenophylla (A. Gray) Greene Stiffleaf Golden Aster			5
villosa (Pursh) Nutt. Hairy Golden Aster			5-6-7
viscida (A. Gray) Greene.....			6

CHRYSOTHAMNUS (Rayless Goldenrod)

Baileyi Woot. & Standl.....			7
Bigelovii (A. Gray) Greene.....			6-7
latisquameus (A. Gray) Greene.....			6-7
pulchellus (A. Gray) Greene.....			7

CHONDROPHORA

nudata (Michx.) Britton Rayless Goldenrod	1-2		
virgata (Nutt.) Greene Rayless Goldenrod	1-2		

CICHORIUM

Intybus L. Chicory Blue Sailors			1
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CIRSIUM

altissimum (L.) Spreng. Tall Thistle	2	4	
austrinum (Small.) E. D. Schulz.....			4-5-6
discolor (Muhl.) Spreng. Field Thistle	2		
flaccidum (Small) Petrak.....			3-4
Helleri (Small) Cory.....			4
horridulum Michx. (<i>C. spinosissimum</i> Scop.).....	1-2	4	
megacephalum (A. Gray) Cockerell.....			6
muticum Michx.....			3-4
ochrocentrum A. Gray.....			5 7
perennans (Greene) Woot. & Standl.....			6-7
undulatum (Nutt.) Spreng. Wavyleaf Thistle			3-4-5-6-7
virginianum (L.) Michx. Virginia Thistle	2	4	
Wrightii A. Gray.....			6

CLAPPIA

suaedefolia A. Gray (<i>Aplopappus Nealleyi</i> Coulter).....			3 6
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CONYZA (ESCHENBACHIA)

Coulteri A. Gray.....			3 6
sophiaefolia H. B. K. (<i>Eschenbachia tenuisecta</i>).....			6

COREOPSIS

angustifolia Ait.....	1-2		
basalis (Dietr.) Blake (<i>C. Drummondii</i> T. & G.).....			2-3-4-5
var. Wrightii (A. Gray) Blake.....			2-3
cardaminaefolia (DC.) T. & G. Cressleaf Coreopsis	1-2-3-4-5		7
var. angustiloba T. & G.....			1
crassifolia Ait. Thickleaf Coreopsis	1		4-5
grandiflora Hogg.....	1		4-5-6
lanceolata L. Lanceleaf Coreopsis			2 6
nuецensis Heller (<i>C. coronata</i> Hook.).....	1-2-3-4		
palmata Nutt. Stiff Coreopsis	1		
similis Boynton.....			2 4
tinctoria L. Golden Coreopsis			2-3-4

COSMOS

bipinnatus Cav.,			
var. exaristatus DC.....			6
parviflorus (Jacq.) H. B. K.....			6

DICHAETOPHORA

campestris A. Gray.....			3-4-5
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DICRANOCARPUS

parviflorus A. Gray.....			6
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DYSSODIA (HYMENATHERUM, THYMOPHYLLA,

BOEBERA, ACIPHYLLACEA)

acerosa DC.....			6
aurea (A. Gray) A. Nels Thymeleaf			7
Berlandieri (DC.) Blake.....	3		5-6-7
gracilis (Rydb.) Cory (<i>Thymophylla Hartwegii</i>).....			6-7
Greggii (A. Gray) Robinson.....			6

DYSSODIA—(Continued)			
micropoides (DC.) Loes. (<i>Hymenatherum gnaphalodes</i> A. Gray . . .	3	5-6	
papposa (Vent.) Hitchc. False Dogfennel			6-7
pentachaeta (DC.) Robinson		4-5	7
polychaeta (A. Gray) Robinson	3		6
tagetoides T. & G.	2	4-5	7
tenuiloba (DC.) Robinson Tiny Tim		3-4	
tephroleuca Blake		3	
Thurberi (A. Gray) Robinson			6
Treculii (A. Gray) Robinson	2		5
Wrightii (A. Gray) Robinson		3-4	
ECHINACEA			
angustifolia DC. Narrowleaf Purplecone Flower		4-5	7
pallida Nutt. Pale Purplecone Flower	1		4
ECLIPTA			
alba (L.) Hassk. Yerba de tajo	1-2-3-4-5		7
EGLETES			
viscosa (L.) Kess.		3	
ELEPHANTOPUS			
carolinianus Willd. Carolina Elephantfoot	1-2		4
tomentosus L. Woolly Elephantfoot	1		
ENCELIA			
scaposa A. Gray			6
ENGELMANNIA			
pinnatifida T. & G. Engelmanns Daisy		3-4-5	7
ERECTITES			
hieracifolia (L.) Raf. Fire Weed	1-2		
var. intermedia Fernald			4
ERIGERON (<i>LEPTILON</i>)			
annuus (L.) Pers. Whitotop Daisy Fleabane	1-2	4-5	
Bellidiastrum Nutt.		3-4	7
Bigelovii A. Gray			6
canadensis L. Canada Fleabane	1-2-3-4-5-6-7		
divarticatus Michx. Dwarf Fleabane	1	4	
divergens T. & G. Spreading Fleabane			6
flagellaris A. Gray Running Fleabane			6
linifolius Willd.		3	
myrionactis Small		3	
neomexicanus A. Gray			5-6-7
nudiflorus Buckl.			5-6-7
philadelphicus L. Philadelphia Fleabane		2-3-4-5	
pulchellus Michx. Robin Plantain	1-2-3		
quercifolius Lam.	1		
repens A. Gray		2-3	
strigosus Muhl. (<i>E. ramosus</i> B. S. P.)	2	4	
var. Beyrichii (T. & M.) A. Gray (<i>E. commixtus</i> Greene)			6
tenuis T. & G.		2-3-4	
EUPATORIUM (<i>CONOCLINIUM</i>) (Thoroughwort, Boneset)			
album L. White Thoroughwort	2		
altissimum L. Tall Thoroughwort			4
azureum DC.		3	
betonicifolium Mill.		3	
var. integrifolium (A. Gray) Robinson		3	
capillifolium (Lam.) Small	1	4	
coelestinum L. Blue Boneset	1-2		4
compositifolium Walt. (<i>E. cornopifolium</i> Willd.)	1	3-4	
cuneifolium Willd.,			
var. semiserratum (DC.) Fern. & Grisc.	1-2	4	
Greggii A. Gray (<i>Conoclinium dissectum</i> A. Gray)		3	6
havanense H. B. K. (<i>E. agertifolium</i> DC.) Shrubby Bonset		3-4-5	
herbaceum (A. Gray) Greene			6
hyssopifolium L. Hyssopleaf Thoroughwort	1-2		
incarnatum Walt. Pink Thoroughwort		2-3-4-5	
ivifolium L.		2-3	

EUPATORIUM—(Continued)

lanceifolium (T. & G.) Small.....	1	
leucolepis T. & G. Whitebracted Thoroughwort	1-2-3	
maculatum L. Spotted Joe-Pye Weed	1	
odoratum L. (<i>E. conyzoides</i> Vahl).....	3	
Parryi A. Gray.....		6
perfoliatum L. Boneset	2	4
purpureum L. Joe-Pye Weed	1	4
pycnocephalum Less.....	3	
rotundifolium L. Roundleaf Thoroughwort	1-2	
serotinum Michx. Late flowering Thoroughwort	1-2-3-4-5	7
solidaginifolium A. Gray.....		6
urticaefolium Reichard (<i>E. ageratoides</i> L. f.) White Snakeroot ..		5
var. angustatum (A. Gray) Robinson.....	1-2	
Wrightii A. Gray.....		6
EVAX (<i>CALYMANDRA</i> , <i>FILAGO</i>)		
candida (T. & G.) A. Gray.....	3-4-5	
multicaulis DC. (<i>Filago nivea</i> Small).....	4-5-6-7	
prolifera Nutt. Cudweed	4-5	7
FLAVERIA		
campestris J. R. Johnston.....		7
chloraefolia A. Gray.....		6
oppositifolia (DC.) Rydb.....	3	
trinervia (Spreng.) C. Mohr (<i>F. repanda</i> Lag.).....		5-6
FLORESTINA		
tripteris DC.....	3	5
FLOURENSIA		
cernua DC.....		5-6-7
FRANSERIA (<i>GAERTNERIA</i>)		
acanthicarpa (Hook.) Coville (<i>F. Hookeriana</i> Nutt.).....		7
caudata Rydb.....		5-6
confertiflora (DC.) Rydb.....	3-4	
tenuifolia Harv. & Gray.....		4-5-6
tomentosa A. Gray Woolly Franseria		7
GAILLARDIA		
amblyodon A. Gray.....		3-4-5
chrysantha Small.....	1	3
Drummondii (Hook.) DC.....		3
fastigiata Greene.....		4
lanceolata Michx.....		3-4-5
linearis Rydb.....		6
mexicana A. Gray.....	3	6
picta Sweet.....	2	
pinnatifida Torr.....		5-6
pulchella Foug. Showy Gaillardia	1-2-3-4-5	7
rigida Small.....	1	
suavis (Gray & Engelm.) Britt. & Rusby (<i>G. trinervata</i>).....		3-4-5-6-7
villosa Rydb.....	3	
GALINSOGA		
ciliata (Raf.) Blake.....	2-3	
GNAPHALIUM		
chilense Spreng.....		6
falcatum Lam.....	1-2	4-5
leucophalum A. Gray.....		6
Macounii Greene (<i>G. decurrens</i> Ives).....		5-6
obtusifolium L. (<i>G. polycephalum</i> Michx.).....	1-2	4-5
purpureum L. Purplecud Weed		2-3-4
spatulatum Lam.....	1-2-3-4	
texanum I. M. Johnston (<i>G. Wrightii</i> of authors in part).....		5-6
Wrightii A. Gray.....		6
GOCHNATIA		
hypoleuca A. Gray.....	3	
GRINDELIA		
aphanactis Rydb. (<i>G. pinnatifida</i> Woot. & Standl.).....		6
grandiflora Hook. (<i>G. costata</i> A Gray).....	3	5

GRINDELIA—(Continued)

Havardii Steyermark.....			6
lanceolata Nutt. Narrowleaf Gumplant		4	
littoralis Steyermark.....	2		
microcephala DC.....	3		
var. adenodonta Steyermark.....	3-4-5-6		
f. angustior Steyermark.....	3		6
oolepis Blake.....	3		
scabra Greene.....			6
var. neomexicana (Woot. & Standl.) Steyermark.....			6
squarrosa (Pursh) Dunal Broadleaf Gumplant		4	7
var. nuda (Wood) A. Gray.....		4-5	7
f. angustior Steyermark.....		5	7
texana Scheele.....		4-5	

GUTIERREZIA (Broom Weed)

divaricata (Nutt.) T. & G.....			7
dracunculoides (DC.) Blake (<i>Amphiachyris dracunculoides</i>).....	2-3-4-5		7
eriocarpa A. Gray.....	3	5	
juncea Greene.....			7
lucida Greene.....		5	7
microcephala (DC.) A. Gray.....		4-5-6	
Sarothrae (Pursh) Britton & Rusby Broom Weed			6-7
sphaerocephala A. Gray.....		5-6	
texana T. & G.....		4-5	7

HAPLOESTHES

Greggii A. Gray.....			5-6-7
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HELENIUM

amphibolum A. Gray.....			4-5-6
badium (A. Gray) Greene.....		3	5-6
campestre Small.....	1		
elegans DC.....		2-3-4-5	
fimbriatum (Michx.) Wood.....	1-2		
latifolium Mill. (<i>H. autumnale</i> of authors).....		2	4
linifolium Rydb.....		3	
microcephalum DC.....		2-3-4-5	7
nudiflorum Nutt. Purplehead Sneezeweed	1-2		
oclinium A. Gray.....		3	
parviflorum Nutt.....		3-4	
quadridentatum Labill.....		2-3	
tenuifolium Nutt. Fineleaf Sneezeweed	1-2-3-4-5		

HELIANTHUS (Sunflower)

angustifolius L. Swamp Sunflower	1-2	4	
annuus L. (<i>H. lenticularis</i> Dougl.) Common Sunflower	2-3-4-5		7
argophyllus T. & G. Silverleaf Sunflower	3-4		
canus (Britton) Woot. & Standl.....			6
ciliaris DC. Plains Sunflower			5-6-7
cinereus T. & G.....			7
debilis Nutt.....	1-2	4	
var. cucumerifolius (T. & G.) A. Gray.....		3-4	
filiformis Small.....			5
grosseserratus Martens Sawtooth Sunflower	1	4	7
var. hypoleucus A. Gray.....		3	
hirsutus Raf. Stiffhaired Sunflower			4-5 7
Maximiliani Schrad. Maximilians Sunflower	2		4-5-6
mollis Lam. Hairy Sunflower	1-2		
occidentalis Riddell Fewleafed Sunflower	1-2	4	
petiolaris Nutt. Prairie Sunflower		4	6-7
praecox Engelm. & Gray.....	2-3		
rigidus (Cass.) Desf. (<i>H. scaberrimus</i> Ell.).....		4	7
salicifolius A. Dietr. (<i>H. orygalis</i> DC.).....			7
stenophyllus (T. & G.) E. E. Watson.....	1		
strumosus L.....			4
tomentosus Michx.....		3	
trachelifolius Willd. Throatwort Sunflower	1		
tuberosus L. Jersusalem Artichoke			4

HELIOPSIS	
parvifolia A. Gray	6
scabra Dunal Rough Oxeye	6
HETEROSPERMA	
pinnatum Cav.	6
HETEROTHECA	
subaxillaris (Lam.) Britt. & Rusby Camphor Weed	2-3-4-5 7
HIERACIUM	
carneum Greene.	6
Fendleri Schultz-Bip. (Heteropleura).	6
Gronovii L.	1
var. foliosum Michx.	2
longipilum Torr. Long-bearded Hawkweed	1-2
Wrightii (A. Gray) Robinson & Greenm.	6
HYMENOCLEA	
monogyra T. & G. Burro Brush	3 5-6
HYMENOPAPPUS	
artemisiaefolius DC.	1-2 4 7
corymbosus T. & G. (<i>H. flavescens</i> A. Gray)	2-3-4 6
gloriosus Heller (<i>H. nudatus</i> Woot. & Standl.)	7
radiatus Rose.	6
robustus Greene.	3-4-5-6-7
scabiosaeus L'Her (<i>H. carolinensis</i> Porter)	1-2 4-5
tenuifolius Pursh Woolly White Hymenopappus	3-4-5 7
HYPOCHAERIS	
radicata L. Longrooted Catsear	1
HYMENOTHRIX	
Wrightii A. Gray.	6
ISOCARPHA	
oppositifolia (L.) R. Br.	3
IVA	
ambrosiaefolia A. Gray.	6
angustifolia Nutt. Narrowleaf Marsh Elder	1-2-3-4-5
axillaris Pursh Small Flower Marsh Elder	7
ciliata Willd. Rough Marsh Elder	1-2-3-4
dealbata A. Gray.	3 6
frutescens L. Marsh Elder	2
pedicellata (Rydb.) Cory.	7
xanthifolia Nutt. Burweed Marsh Elder	7
KRIGIA	
Dandelion (L.) Nutt.	1-2
occidentalis Nutt.	2-3
virginica (L.) Willd. Carolina Dwarf Dandelion	1-2
KUHNIA	
eupatorioides L. False Boneset	4-5
glutinosa Ella. (<i>K. suaveolens</i> Fresen.) Prairie Boneset	4-5 7
rosmarinifolia Vent.	6
LACTUCA	
canadensis L. Wild Lettuce	2 4
floridana (L.) Gaertn. Tall Wood Lettuce	2
graminifolia Michx.	1
hirsuta Muhl. Hairy Wood Lettuce	2
ludoviciana (Nutt.) DC. Western Lettuce	1 4 7
pulchella Pursh Large blue Lettuce	3-4-5-6
scariola L.	3-4-5 7
var. integrata Gren. & Godr. (<i>L. virosa</i> of authors)	4
LAPHAMIA	
angustifolia A. Gray.	5-6
bisetosa Torr.	6
cinerea A. Gray.	6
halimifolia A. Gray.	5
laciniata A. Gray.	6
Lindheimeri A. Gray.	4-5

LAPHAMIA—(Continued)			
quinqueflora Steyermark.....			6
rotundata Rydb.....			5-6
rupestris A. Gray.....			6
LEPACHYS			
columnaris (Sims) T. & G. Longheaded Coneflower	1-2-3-4-5-6-7		
var. pulcherrima (G. Don) T. & G.		3-4-5-6-7	
peduncularis T. & G.....	1-2-3-4		
var. picta A. Gray.....		2-3	
pinnata (Vent.) T. & G. Grayheaded Coneflower		4	
Tagetes (James) A. Gray Shortrayed Coneflower			5-6-7
LEUCAMPYX			
Newberryi A. Gray.....			6
LIATRIS			
acidota Engelm. & Gray Slender Button Snakeroot	1	4	7
aspera (Michx.) Greene (<i>L. scariosa</i> of authors).....	1	4	
compacta (T. & G.) Rydb.....	1		
cymosa (H. Ness.) K. Scum		4	
elegans (Walt.) Willd. Handsome Blazing Star	1	3-4-5	
glabrata Rydb.....			7
Halei (Small) K. Schum.....	1-2		
Helleri Porter.....		2-3	
Langloisii (Greene) Cory.....	1		
laxa (Small) K. Schum.....	1-2		
punctata Hook. Dotted Button Snakeroot			4-5 7
pycnostachya Michx. Hairy Button Snakeroot	1	4-5	
scariosa Willd. Large Button Snakeroot	1	4	
squarrosa Willd., var. intermedia (Lindl.) DC. Scaly Blazing Star			4
LINDHEIMERA			
texana Engelm. & Gray Yellow Texas Star		4-5	7
LYGODESMIA			
exigua A. Gray.....			6
grandiflora T. & G.....		3	
juncea (Pursh) D. Don Rush-like Lygodesmia			7
texana (T. & G.) Greene		3-4-5-6-7	
MALACOTHRIX			
Fendleri A. Gray.....			6
MARSHALLIA			
caespitosa Nutt.....	2	4-5	
var. signata Beadle & Boynton.....	1-2		
MATRICARIA			
Chamomilla L. German Camomile	2		
var. coronata Boiss.....		4	
MAUCHIA			
hirtella (T. & G.) Kuntze.....	2	4	7
MELAMPODIUM			
cinereum DC. Rock Daisy		3-4-5	
var. ramosissimum (DC.) A. Gray.....		3	
leucanthum T. & G.....			5-6-7
MIKANIA			
scandens (L.) Willd. Climbing Boneset	1-2	4-5	
NICOLLETIA			
Edwardsii A. Gray.....			6
NEMOSERIS			
neomexicana (A. Gray) Greene.....			6
PARTHENIUM			
argentatum A. Gray Guayule			6
hispidum Raf. Hairy Feverfew	1-2		
Hysterophorus L. Santa Maria Feverfew	1-2-3-4-5		
incanum H. B. K.....			6
integrifolium L. Prairie Feverfew	2		
lyratum A. Gray.....		3	5-6

PECTIS

angustifolia Torr. Lemon-scented Pectis		6-7
filipes A. Gray.....	5	
longpipes A. Gray.....		6
papposa Harv. & Gray.....		6
prostrata Cav.....		6
tenella DC.....	3	

PEREZIA

nana A. Gray.....		4-5-6-7
runcinata Lag.....	3-4-5-6	
Wrightii A. Gray.....	3	5-6

PERICOME

caudata A. Gray.....		6
----------------------	--	---

PERITYLE

aglossa A Gray.....		6
dissecta (Torr.) A. Gray.....		6
microglossa Benth.....	3	
Parryi A. Gray.....		6
Vaseyi Coulter.....		6

PINAROPAPPUS

parvus Blake.....		6
roseus Less.....	1	3-4-5

PLUCHEA

camphorata (L.) DC. Salt Marsh Fleabane		2-3-4	7
foetida (L.) DC. (P. bifrons DC.).....	1-2		
petiolata Cass. Inland Marsh Fleabane	2	4	
purpurascens (Sw.) D.C.....	1-2	4-5	
sericea (Nutt.) Coville.....			6

POLYMNIA

Uvedalia L., var. densipilis Blake.....		1-2-3-4
--	--	---------

POLYPTERIS

callosa (Nutt.) A. Gray Rayless Polypteris		2-3-4-5	
Hookeriana (T. & G.) A. Gray (<i>P. maxima</i> Small).....	2	4	
macrolepis Rydb.....			7
Reverchonii Small.....	1		
robusta (Rydb.) Cory.....		3	
rosea (Bush) Small.....		2-3	
sphacelata (Nutt.) Trel. (<i>P. Hookeriana</i> A. Gray in part).....		3-4	
texana (DC.) A. Gray.....		3-4	

POROPHYLLUM

Greggii A. Gray.....	3	
junciforme Greene.....		6
macrocephalum DC.....		6
scoparium A. Gray.....		6

PSATHYROTES

scaposa A. Gray.....		6
----------------------	--	---

PSILACTIS

asteroides A. Gray.....		6
-------------------------	--	---

PSILOSTROPHE (RIDDELLIA)

gnaphalodes DC. (<i>Riddellia archnoidea</i> A. Gray).....	3	6
lanata (A. Nels.) Hay, Miller & White.....		6
Tagetinae (Nutt.) Greene.....		5-6-7
villosa Rydb.....		7

PTEROCAULON (CHAENOLOBUS)

virgatum (L.) DC.....	1-2-3	
-----------------------	-------	--

PYRRHOPAPPUS (SITILIAS)

carolinianus (Walt.) DC.....	2	4
grandiflorus Nutt. (<i>P. scaposus</i> DC.).....		3-4-5
multicaulis DC.....		2-3-4-5

RAFINESQUIA

neomexicana A. Gray.....		6
--------------------------	--	---

RUDBECKIA

alismaefolia T. & G.....	1-2	4	
amplexicaulis Vahl Claspingleaf Coneflower		3-4-5	7
bicolor Nutt.....	1-2-3-4-5	4-5	7
flexuosa T. V. Moore.....		4	
floridana T. V. Moore.....	1		
glabra DC.....	2		
grandiflora C. G. Gmel. Largeflower Coneflower		4	7
hirta L. Blackeyed Susan	2	4	
maxima Nutt. Great Coneflower	1	4	
nitida Nutt.....	1-2	4	
subtomentosa Pursh Sweet Coneflower		4	
triloba L. Thinleaf Coneflower		4	

SANVITALIA

Aberti A. Gray.....		5-6	
ocymoides DC.....		3-4-5	

SARTWELLIA

Flaveriae A. Gray.....		5-6	
puberula Rydb.....		6	

SCLEROCARPUS

major Small.....	3	5-6	
uniserialis (Hook.) Benth & Hook.....	3-4-5		

SELLOA (GYMONSPERMA)

glutinosa Spreng.....	3-4-5-6-7		
-----------------------	-----------	--	--

SENECIO

ampullaceus Hook.....	2-3-4-5		
aureus L. Swamp Squaw Weed	1-2	4	7
glabellus Poir. (<i>S. lobatus</i> Pers.).....	1-2-3-4-5-6-7		
Greggii Rydb.....	3	5-6	
integerrimus Nutt. Entireleaf Groundsel		6	
imparipinnatus Klatt. (<i>S. lobatus</i> A. Gray).....	1-2-3-4-5		
longilobus Benth. (<i>S. filifolius</i> Nutt.).....		5-6-7	
millelobatus Rydb.....		6	
obovatus Muhl.....	1-2-3-4-5		
var. rotundus Britton.....	1-2	4	
pauperculus Michx. (<i>S. Balsamitae</i> Muhl.) Balsam Groundsel	1	4	
plattensis Nutt. Prairie Ragwort	1	3-4-5	
Purshianus Nutt.....			7
Riddellii T. & G. (<i>S. Fremontii</i> Rydb.).....		5-6-7	
semicordatus Mack. & Bush.....	1		
spartioides T. & G. Broom-like Senecio		6	
tomentosus Michx. Woolly Ragweed	1	4-5	
tridenticulatus Rydb. (<i>S. ob lanceolatus</i> Rydb.).....			6-7
vulgaris L. Common Groundsel		4	

SERINIA (APOGON)

gracilis (DC.) Kuntze.....	2	4-5	
oppositifolia (Raf.) Kuntze (<i>Apogon humilis</i> Ell.).....	1-2	4-5	
Wrightii (A. Gray) Kuntze.....	1	4	

SILPHIUM

albiflorum A. Gray.....		4-5	7
asperrimum Hook.....		4-5	
Asteriscus L. (<i>S. scaberrimum</i> Ell.).....	1		
gracile A. Gray.....	1-2		
integrifolium Michx., var. Deamii Perry.....	1-2		
laciniatum L. Compass Weed		4	7
Reverchonii Bush.....	1		
Simpsonii Greene, var. Wrightii Perry.....		4	
speciosum Nutt.....	2	4	7
terebinthaceum Jacq. Prairie Dock	2		

SIMSIA (ENCELIA in part)

calva (Engelm. & Gray) A. Gray.....	3-4-5-6-7		
var. subaristata (A. Gray) Blake.....	3-4-5	7	
exaristata A. Gray.....		6	

SOLIDAGO

altissima L. (<i>S. hirsutissima</i> Mill.) Tall Goldenrod	1	4	
arguta Ait. Cutleaf Goldenrod	2	4	
aspera Ait.....	1		
auriculata Shuttlew. ex Blake (<i>S. notabilis</i> Mack.).....	1	4	
Boottii Hook. Boott Goldenrod	2		
var. ludoviciana A. Gray.....	1-2		
caesia L.....		4	
canadensis L. Canada Goldenrod		4-5	7
var. gilvocanescens Rydb.....			6
var. canescens A. Gray.....	3		7
delicatula Small.....		4	
dispersa Small.....	2		
dumetorum Lunell.....			7
Gattingei Chapm.....	1	4	7
glaberrima Martens Missouri Goldenrod			7
gymnospermoides (Greene) Fernald Viscid Bush Goldenrod ...	1-2		
Helleri Small.....	1	4	
leptocephala T. & G.....	1-2		
Lindheimeriana Scheele Lindheimer Goldenrod		3-4	
longipetiolata Mack & Bush.....			7
microphylla Engelm. Largeleaf Goldenrod	1-2	4	
minor (Michx.) Fernald Narrowleaf Goldenrod	1		
mollis Bartl. Velvet Goldenrod	2		
nemoralis Ait. Dwarf Goldenrod	2	4-5-6	
var. decemflora (DC.) Fern.....	1	4-5	
var. Halleana Fern.....		4	
nitida T. & G.....	1-2		
odora Ait. Sweet Goldenrod	1-2	4	
patula Muhl. Roughleaf Goldenrod	1-2	4	
petiolaris Ait. Downy ragged Goldenrod	1-2	4-5	
var. angusta (T. & G.) A. Gray.....	1		
petiolata Mill. (<i>S. angustifolia</i> Ell; <i>S. stricta</i> Ait.).....	1-2		
petradoria Blake (<i>S. pumila</i> T. & G.).....			7
procera Ait.....	2	4-5	
radula Nutt. Western Rough Goldenrod	2	4-5	
var. laeta (Greene) Fern.....			7
var. stenolepis Fern.....	2		
rigida L. (<i>S. grandiflora</i> Raf.) Hardleaf Goldenrod	2	4	
rigidiuscula (T. & G.) Porter Slender Showy Goldenrod	1-2	4	7
rugosa Mill. Tall Hairy Goldenrod	2		
var. aspera (Ait.) Fern.....	1		
var. celtidifolia (Small) Fern.....	1-2		
sempervirens L.,			
var. mexicana (L.) Fernald (<i>S. mexicana</i> L.).....	2		
serotina Ait. Late Goldenrod	1-2	4-5	
sparsiflora A. Gray.....			7
tortifolia Ell. Twistleaf Goldenrod	1-2		
ulmifolia Muhl. Elmleaf Goldenrod	2	4	
Wardii Britton.....	1	4	7
Wrightii A. Gray (<i>S. Bigelovii</i> A. Gray).....			6

SONCHUS

arvensis Corn Sow Thistle	1	4	7
asper (L.) Hill Sow Thistle		2-3-4-5-6	
oleraceus L. Annual Sow Thistle		2-3-4-5	

SOLIVA

anthemifolia (A. Juss.) R. Br.....	3		
nasturtifolia (A. Juss.) DC.....		3	

SPILANTHES

americana (Nutt.) Hieron.,			
var. repens (Walt.) A. H. Moore (<i>S. repens</i> Michx.).....	1-2-3-4		

STEPHANOMERIA (*PTILORIA*)

Bigelovii A. Gray.....			6
exigua Nutt.....			6-7

STEPHANOMERIA—(Continued)

neomexicana (Greene) Cory.....			6
pauciflora (Torr.) A. Nels. (<i>S. runcinata</i> Nutt.).....			7
tenuifolia (Torr.) Hall (<i>S. minor</i> Nutt.).....			6-7
Wrightii A. Gray.....			5-6

STEVIA

rhubifolia H. B. K.....			6
salicifolia Cav.,			
var. stenophylla (A. Gray) Robins. (<i>S. foliosa</i> Small).....	3	5	
serrata Cav.....			6

STYLOCLINE

micropoides A. Gray.....			6
--------------------------	--	--	---

TAGETES

micrantha Cav.....			6
--------------------	--	--	---

TARAXACUM (LEONTODON)

palustre (Lyons) Lam. & DC.,			
var. vulgare (Lam.) Fernald.....	1	4-5	7

TETRACARPUM (*SCHKUHRIA*)

Wrightii (A. Gray) Rydb.....			6
------------------------------	--	--	---

TETRAGONOTHECA (**Yellow Coneflower**)

ludoviciana (T. & G.) A. Gray.....			3-4
repanda (Buckl.) Small.....			3-4
texana (A. Gray) Engelm. & Gray.....			3-4-5

THELESPERMA

ambiguum A. Gray.....			6
Burridgeanum (Regel) Blake (<i>Cosmidium Burridgeanum</i>).....		3-4	
longpipes A. Gray.....			5-6-7
megapotamicum (Spreng.) Kuntz (<i>T. gracile</i> A. Gray).....		4	7
simplicifolium A. Gray.....		3-4-5	7
trifidum (Poir.) Britton.....		3-4-5-6-7	

THUROVIA

triflora Rose.....		2-3	
--------------------	--	-----	--

TOWNSENDIA

exscapa (Richards.) Porter.....		4	6-7
grandiflora Nutt.....			7
texensis Larsen.....			7

TRAGOPOGON

pratense L.....			7
-----------------	--	--	---

TRICHOCORONIS

rivularis A. Gray.....			6
Wrightii A. Gray.....	3	5	

TRIXIS

californica Kellogg.....			6
radialis (L.) Kuntze.....	3		

VARILLA

texana A. Gray.....		3	
---------------------	--	---	--

VERBESINA

encelioides (Cav.) Benth. & Hook. Yellow Top		2-3-4-5-6	
var. exauriculata Robins. & Greenm.....		5-6	
cordifolia A. Gray.....			6
helianthoides Michx. Sunflower Crownbeard			6-7
Lindheimeri Robins. & Greenm. (<i>V. Wrightii</i> A. Gray in part).....		4-5-6	
nana (A. Gray) Robinson.....		5-6-7	
oreophila Woot. & Standl.....			6
texana Buckl. Texas Crownbeard		2-3-4	
virginica L. Virginia Crownbeard	1-2-3-4-5		

VERNONIA

angustifolia Michx.....		2	
Baldwini Torr. Balwin Iron Weed	1	4-5	
var. interior (Small) Schubert.....			
crinita Raf. (<i>V. arkansana</i> DC.) Great Ironweed	1	4	
fasciculata Michx.....		4	7
guadalupensis Heller.....		4-5	
Lindheimeri Engelm. & Gray.....		2-3-4-5-6	
var. leucophylla Larsen.....			6

VERNONIA—(Continued)

marginata (Torr.) Raf. (<i>V. Jamesii</i> T. & G.).....			6-7
missurica Raf. (<i>V. Drummondii</i> Shuttlew.).....	1-2	4	
Reverchonii Gleason.....			7
tenuifolia Small.....			5-6
texana (A. Gray) Small.....	1-2	4	

VIGUIERA

annua (M. E. Jones) Blake.....			6
cordifolia A. Gray.....			6
dentata (Cav.) Spreng., var. brevipes (DC.) Blake.....		3-4-5-6	
longifolia (Robins. & Greenm.) Blake.....			6
stenoloba Blake (<i>Gymnolomia tenuifolia</i> Benth. & Hook.).....		3	6

XANTHISMA

texanum DC. Sleepy Daisy		3-4-5	
var. Berlandieri A. Gray.....		4	7

XANTHIUM (Cocklebur)

cenchrroides Millsp. & Sherff.....			4
pungens Wallr. (<i>X. americanum</i> Walt.; <i>X. chinense</i>).....	1-2-3		
saccharatum Wallr. (<i>X. pennsylvanicum</i> Wallr.).....	1	4-5	7
speciosum Kearney.....		4	
spinosum L.....	2		5-6-7

ZEXMENIA

brevifolia A. Gray.....		3	6
hispida (H. B. K.) A. Gray.....		3-4-5	

ZINNIA

acerosa (DC.) A. Gray.....			6
anomala A. Gray.....			6
grandiflora Nutt. Prairie Zinnia			5-6-7
multiflora L.....	1-2	4	
pumila A. Gray.....		3	6

INDEX

	PAGE		PAGE
Abronia	43	Amorpha	55
Abutilon	69	Amphicarpa	54
Acacia	54	Amsonia	82
Acalypha	64	Willow	82
Acanthochitium	41	Amyris	63
ACANTHACEAE	96	ANACARDIACEAE	66
Acanthus Family	96	Anacharis	14
Acer	67	Anagallis	80
ACERACEAE	67	Anaqua	87
Acerates	83	Andropogon	14
Achillea	100	Androsace	80
Acyranthes	41	Anemia	11
Acleisanthes	43	Anemone	46
Acnida	41	Anemopsis	35
Acorus	29	Angle Pod	84
Actinea	100	Angel Trumpets	43
Addertongue Family	11	Anisacanthus	96
Addertongue	11	Anoda	70
Engelmanns	11	ANONACEAE	47
Adelia	64	Anredera	45
Texas	81	Antelope Horns	83
Adolphia	68	Anthaeantia	14
Adiantum	10	Anthemis	100
Adonis	46	Anthericum	31
Aeschynomene	54	Anthoxanthum	14
Aesculus	68	Antiphytum	87
Aethyl	72	Antennaria	100
Agastache	89	Aphanostephus	100
Agave	33	Apium	78
False	30	Apios	55
Agdestis	42	Aplopappus	101
Ageratum	100	Cutleaf	101
Agropyron	14	APOCYNACEAE	82
Agrimonia	52	Apocynum	82
Agrostemma	44	Apodanthera	99
Agrostis	14	Aquilegia	46
Agrostis	47	AQUIFOLIACEAE	67
Ailanthus	63	Arabis	48
Aira	14	ARACEAE	29
AIZOCACEAE	44	ARALIACEAE	77
Alamo Vine	85	Aralia	77
Alder	36	Arbutus	79
White	79	Arceuthobium	38
Aletes	77	Arctium	101
Aletris	33	Arctostaphylos	79
Alfalfa	58	Arenaria	44
Alfilaria	62	Argemone	48
Alisma	13	Ariocarpus	73
ALISMACEAE	13	Aristida	15
Allionia	43	Aristolochia	39
Allium	31	ARISTOLOCHACEAE	39
Allenrolfea	40	Arisaema	29
Allthorn	62	Arnotto Family	72
Alnus	36	Arrowwood, mapleleaf	99
Aloe	31	Arrowroot Family	34
Alopecurus	14	Artemisia	101
Amaranth Family	41	Arum Family	29
Amaranth	41	Arundinaria	15
Palmers	42	Arundo	15
Prostrate	42	Asclepiodora	83
Spleen	42	Asclepias	83
Thorny	42	ASCLEPIADACEAE	83
Torreys	42	Ascyrum	71
Amaryllis Family	33	Ash Family	81
AMARYLLIDACEAE	33	Fragrant	81
AMARANTHACEAE	41	Gregg	81
Amaranthus	41	Prickly	63
Amblyolepis	100	Water	81
Ambrosia	100	White	81
Amelanchier	52	Asimina	47
Ammannia	75	Asparagus	31
Ammi	77	Aspicarpa	62
Ammoselinum	77	Asplenium	10
Amoreuxia	72		

	PAGE		PAGE
Aster	101	Birch Family	36
Aromatic	102	River	36
Arrowleaf	102	Birchwort Family	
Boltonia	103	Bittersweet, American	67
Drummond	101	Bitterweed	
Fendler	101	Fineleaf	100
Grassleaf Golden	104	Stemless	100
Ricebutton	101	Stemmed	100
Savorleaf	101	Texas	100
Sky Blue	101	Western	100
Silky	102	BIXACEAE	72
Small White	102	Black Brush	54
Smooth	101	Bladder Pod	49
Southern Swamp	102	Bladderwort Family	95
Starved	101	Bladderwort	
Stiffleaf Golden	104	Fibrous	95
Tansy	102	Large Swollen	95
White Prairie	101	Swollenspurred	95
Astragalus	55	Swollen	95
Astrophyllum	63	Two-flowered	95
Athyrium	10	Blazing Star	73
Atriplex	40	Scaly	109
Avens, white	53	Blepharidachne	15
Avicennia	88	Blepharoneuron	15
Axonopus	15	Blephariglottis	34
Ayenia	71	Blephilla	89
Azalea, Hoary	80	Blood Weed	100
Azolla		Blue Bell Family	99
		Blueberry, rabbiteye	80
Baby Bonnets	56	Bluebonnet	
Baccharis	102	Chisos	58
Linearleaf	102	Pink	58
Willow	102	Blue Curls	91
Bacopa	93	Boehmeria	38
Bahia	102	Boerhaavia	43
Baileya	102	Bois d' arc	38
Balloonvine	68	Boltonia	103
Balsam Apple	99	Boneset	105
Wild	99	Blue	105
Baptisia	55	Climbing	109
Baretta	63	False	108
Barberry Family	47	Prairie	108
Bartonia	82	Shrubby	105
Basswood	69	BORAGINACEAE	87
BASELLACEAE	45	Borreria	97
Bastardia	70	Borrichia	103
Batis Family	43	Botrychium	11
Batis	43	Bouchea	88
BATIDACEAE	43	Bouchetia	91
Beach-drops	95	Bouteloua	15
Bebbia	102	Bourdonia	103
Bedstraw		Boussingaultia	45
Hairy	97	Bouvardia	97
Fragrant	98	Bowlesia	78
Northern	97	Brachiaria	15
Southwestern	98	Brasenia	46
Stiff Marsh	98	Brassica	48
Beech Family	36	Brazoria	89
Beefsteak Plant	90	Bread-wort, Indian	60
Belamcanda	33	Breweria	84
Beleperone	96	Brickellia	103
Bellflower	99	Brodiaea	31
Benzoin	47	Brogniartia	55
BERBERIDACEAE	47	BROMELIACEAE	30
Berberis	47	Bromus	16
Berchemia	68	Broomrape Family	95
Bergia	72	Broom Weed	107
Berlandiera, lyrateleaf	103	Broussonetia	38
Bernardia	64	Brunnichia	39
Berula	78	Buffalo-bur	93
Betula	36	Buckthorn Family	68
BETULACEAE	36	Southern	80
Bidens	103	Tree	68
Bifora	78	Woolly	80
BIGNONIACEAE	95	Buckwheat Family	39
Bignonia	95	Vine false	40
Bind Weed	84	Wild	39
Corn	40	Buckeye, Mexican	68
Great	84	Buchnera	93
Hoary	84		

	PAGE		PAGE
Buchloe	16	Catsclaw (<i>Continued</i>)	
Buddleia	81	Vine	54
Bugle Weed	89	Tree	54
Bumelia	80	Catsear, long rooted	108
Burdock	101	Cathestecum	16
Burro Brush	108	Cattail Family	13
Butomus Family	14	Ceanothus	68
BUTOMACEAE	14	Cedar	
Buttonweed		Mountain	12
Larger	97	Virginia Red	12
Rough	97	CELASTRACEAE	67
Smooth	98	Celastrus	67
Butterwort, low	95	Celosia	42
Butterfly Pea	56	Celtis	38
Butterfly Weed, decumbent	83	Cenchrus	16
Buttercup, large	46	Centaurea	103
Butter and eggs	94	Centaurium	82
Cabomba	46	Centaurium	
Cacalia	103	Buckley	82
Cacao Family	71	Ray winged	103
CACTACEAE	73	Texas	82
Cactus Family	73	Century Plant	33
Cakile	48	Centella	78
Calamovilfa	16	Centrosema	56
Caltrop Family	62	Cephalanthus	97
Calycoseris	103	Cerastium	44
Calydorea	33	CERATOPHYLLACEAE	45
Calliandra	55	Ceratophyllum	45
Callicarpa	88	Cercidium	56
Callirrhoe	70	Cercis	56
CALLITRICHACEAE	66	Cercocarpus	52
Callitriche	66	Cereus	73
Calopogon	34	Cestrum	91
Calyocarpum	47	Cetunculus	80
Calyptocarpus	103	Cevallia	73
Camassia	31	Chaetopappa	103
Camelina	48	Chaerophyllum	78
Camomile, German	109	Chamaesaracha	91
Campanula	99	Chaptalia	103
CAMPANULACEAE	99	Cheilanthes	10
Camphor Weed	108	CHENOPODIACEAE	40
Campsis	95	Chenopodium	41
Canavali	56	Cherry	53
Canna Family	34	Chisos wild	53
CANNACEAE	34	Indian	68
Canna	34	Chicory blue sailors	104
Canaille	40	Chickweed	45
Candelilla	65	Mouse ear	44
Caper Family	50	Chillipiquin	91
Caperonia	64	Chilopsis	95
CAPPARIDACEAE	50	Chinaberry	63
CAPRIFOLIACEAE	98	China, umbrella	63
Capsella	48	Chiococca	97
Capsicum	91	Chionanthus	81
Cardamine	48	Chloris	16
Cardiospermum	63	Chondrophora	104
Cardinal Flower	100	Chonopholis	95
Careless	42	Chrysactinia	103
Carex	25	Chrysanthemum	103
Carlowrightia	96	Chrysopsis	103
Carminatia	103	Chrysothamnus	104
Carpetweed Family	44	Cichorium	104
Carpinus	36	Cicuta	78
Carpochaete	103	Cienfuegosia	70
Carrot		Cinna	16
American	78	Circaea	76
Wild	78	Cirsium	104
CARYA	36	Cissus	69
CARYOPHYLLACEAE	44	CISTACEAE	72
Cassia	56	Citharexylum	88
Cassytha	47	Citrullus	99
Castanea	36	Citrus	63
Castela	63	Claytonia	45
Castor Bean	66	Clematis	46
Castilleja	93	Cleome	50
Catalpa	95	Cleomelia	50
Western	95	Cliffbrake, Purple	10
Catchfly, sleepy	45	Cleomela	50
Catsclaw	54	Clappia	104
Round flowered	54	Clover	
		Buffalo	61

	PAGE		PAGE
Clover (<i>Continued</i>)		Corydalis	
Bur	58	Golden	48
Carolina	61	Small flowered	48
Dutch	61	Cosmos	104
Hop	58	Cotinus	66
Least Hop	61	Cottea	16
Low Hop	61	Cotton, snake	42
Indian	59	Slender	42
Red	61	Coursetia	56
White	59	Cowania	52
Yellow	59	Coyotillo	68
Clubmoss Family	12	Crape Myrtle	91
Cnidocolus	64	Wild	63
Cocculus	47	CRASSULACEAE	51
Cogswellia	78	Crataegus	52
Coix	16	Cress	
Coldenia	87	Rock	48
Collinsia	93	Water	50
Violet	93	Cressa	84
Cologania	56	Crinum	33
Columbine		Cristatella	50
Common	46	Crosscleavers	97
Cory's	46	Cross Vine	95
Longspur	46	Crotalaria	56
Colubrina	68	Croton	64
Comandra	38	Myrtle	75
COMMELINACEAE	30	Shrubby	64
Commelina	30	Crotonopsis	64
Commelinantia	30	Crow Poison	32
Commicarpus	43	Crownbeard	
Compass Weed	111	Sunflower	113
Composite Family	100	Texas	113
COMPOSITAE	100	Virginia	113
Condalia	68	CRUCIFERAE	48
Coneflower		Cryptantha	87
Claspingleaf	111	Thick-sepaled	87
Grayheaded	109	Cucumber	
Great	111	Bur	99
Largeflower	111	One-seeded Bur	99
Longheaded	109	Wild	99
Shortrayed	109	Cucumber Tree	47
Sweet	111	Cucumis	99
Thinleaf	111	Cudweed	106
Yellow	113	Cuminum	78
Conium	78	Cunila	89
Conoeba	93	Cucurbita	99
CONVOLVULACEAE	84	CUCURBITACEAE	99
Convolvulus	84	Cupressus	12
Conyza	104	Curly Grass Family	11
Cooperia	33	Currant, golden	52
Coral Berry	47, 98	Cuscuta	84
Coral Bean		Custardapple Family	47
Coralroot		Cyclanthera	99
Crest	35	Cycloloma	41
Large	34	Cyphomeris	43
Late	34	Cymopterus	78
Western	34	Cynoctonum	81
Corallorhiza	34	Cynosciadum	78
Corchorus	69	Cynodon	16
Cordia	87	CYPERACEAE	25
Cordylanthus	93	Cyperus	26
Coreopsis	104	Cypress	
Cressleaf	104	Arizona	12
Golden	104	Southern	13
Lanceleaf	104	CYRILLACEAE	67
Stiffleaf	104	Cyrilla	67
Thickleaf	104	Cystopteris	
Coriander	78		
Corispermum	41	Daisy	
Corkwood Family	36	Berlandier	103
Corkwood	36	Engelmanns	105
CORNACEAE	79	Least	103
Cornus	79	Sleepy	114
Coronopus	48	White	100
Corn Salad		White Weed Oxeye	103
Beaked	99	Dalea	56
Narrowleaf	99	Dactyloctenium	16
Woods	99	Dandelion, Carolina Dwarf	108
Coriandrum	78	Danthonia	16

	PAGE		PAGE
Dasyliiron	32	Eichornia	30
Datura	91	ELATINACEAE	72
Daucus	78	Elatine	72
Daucosma	78	Elder	
Day Flowers	30	American	98
Decumaria	51	Burweed Marsh	108
Delphinium	46	Marsh	108
Descurainia	48	Narrowleaf Marsh	108
Desmanthus	57	Rough Marsh	108
Desmodium	57	Small Flowered Marsh	108
Dianthera	96	Elderberry, blue	98
Dianthus	44	Eleocharis	27
Diarrhena	16	Elephantfoot	
Dichaetophora	104	Carolina	105
Dichromena	27	Woolly	105
Dichondra	84	Elephantopus	105
Dicliptera	96	Eleusine	17
Dicranocarpus	104	Ellisia	86
Dicraurus	42	Elm Family	38
Didiplis	75	American	38
Digitaria	16	Cedar	38
Diodia	97	Slippery	38
DIOSCOREACEAE	33	Winged	38
Dioscorea	33	Elymus	17
Diospyros	80	Elyonurus	17
DIPSACACEAE	99	Elytraria	96
Dipsacus	99	Emorya	81
Distichlis	17	Encelia	105
Ditaxis	64	Engelmannia	105
Dithyrea	49	EPHEDRACEAE	13
Dittany, American	89	Ephedra	13
Dock		Epifagus	95
Bitter	40	Epilobium	76
Curlyleaf	40	Epipactis	34
Engelmann's	40	EQUISETACEAE	12
Fiddle	40	Equisetum	12
Peachleaf	40	Eragrostis	17
Prairie	111	Erechtites	105
Swamp	40	Erianthus	18
Dodocatheon	80	ERICACEAE	79
Dodder		Erigeron	105
Buttonbush	84	ERIOCAULACEAE	29
Glomerate	84	Ericaulon	29
Hazel	84	Eriochloa	18
Smart Weed	84	Eriogonum	39
Dogbane Family	82	Erodium	62
Claspingleaf	82	Eruca	49
Spreading	82	Eryngium	78
Dogfennel	100	Erysimum	49
False	105	Erythrina	57
Dogwood Family	79	Erythronium	32
Flowering	79	Eschscholzia	48
Roughleaf	79	Eucnide	73
Draba	49	Eupatorium	105
Dragon Head	29	EUPHORBIACEAE	64
DROSERACEAE	51	Euphorbia	65
Drosera	51	Eurotia	41
Drymaria	44	Eurytaenia	78
Dryopetalon	49	Eustoma	82
Dryopteris	10	Evening Primrose Family	76
Duckmeat	29	Evening Primrose	76
Duckweed Family	29	Tall sand	77
Dulichium	27	Evax	106
Duranta	88	Evolvulus	85
Dyschloriste	96	Evonymus	67
Dyssodia	104	Eysenhardtia	57
Eardrop Vine	39	FAGACEAE	36
EBENACEAE	80	Fagus	36
Ebony, Texas	59	Fallugia	53
Echeveria	51	Featherfoil, American	80
Echinacea	105	Fendlera	51
Echinocactus	74	Fendlerella	51
Echinocereus	74	Fern Family	51
Echinochloa	17	Alabama	10
Echinocystis	99	American Shield	10
Echinodorus	13	Christmas	11
Echium	87	Cinnamon	11
Eclipta	105	Cutleaf Grape	11
Egletes	105	Floating Chain	11
Ehretia	87	Hairy Lip	11

	PAGE		PAGE
Fern Family (<i>Continued</i>)		Gayoides	70
Male	10	Gelsemium	81
Marsh Shield	10	GENTIANACEAE	82
New York	10	Gentian Family	82
Royal	11	Prairie	82
Sensitive	10	Swamp	82
Slender Lip	10	Gentiana	82
Venus-Hair	10	GERANIACEAE	62
Virginia Grape	11	Geranium	62
Woolly Lip	10	Geranium Family	62
Fern Family, Flowering	11	Gerardia	93
Festuca	18	Cutleaf	93
Feverfew		Gattingers	93
Hairy	109	Large Purple	93
Prairie	109	Prairie	93
Santa Maria	109	Salt Marsh	93
Fiddleleaf	86	Germander	
Figwort Family	93	Cutleaf	91
Fimbristylis	28	Small Coast	91
Fir, Douglas	13	Geum	53
Fire Weed	105	Gilia	85
Flame Flower	45	Low	85
Dwarf	45	Scarlet	85
Flaveria	106	White Flowered	85
Flax Family	61	Ginseng Family	77
Blue Toad	94	Glasswort	41
Texas Toad	94	Bush	41
Berlandier Yellow	61	Gleditisia	57
Grooved Yellow	62	Glyceria	18
Large Flower Yellow	61	Glycorhiza	58
Stiff Yellow	61	Gnaphalium	106
Fleabane		Gochnatia	106
Canada	105	Golden Eye	105
Dwarf	105	Goldenrod	
Gray running	105	Boott	112
Inland marsh	110	Canada	112
Philadelphia	105	Downy Ragged	112
Spreading	105	Dwarf	112
Whitetop Daisy	105	Elmleaf	112
Floating Heart	82	Viscid Bush	112
Floestina	106	Late	112
Flourensia	106	Lindheimer	112
Foeniculum	78	Missouri	112
Fog-Fruit	88	Narrowleaf	112
Spatulate leaf	88	Slender Showy	112
Wedgeleaf	88	Sweet	112
Forestiera	81	Tall	112
Forsellesia	67	Twistedleaf	112
FOUQUIERACEAE	72	Velvet	112
Fouquieria		Western Rough	112
Four O'Clock Family	43	Gomphrena	42
Four O'Clock	43	Gonolobus	83
FRANKENIACEAE	72	Goosefoot Family	40
Frankenia	72	Mealy	41
Frankenia Family	72	Nettleleaf	41
Franseria	106	Red	41
Woolly	106	Stinking	41
Frasera	82	Goosegrass	98
Fraxinus	81	Vaillantii	98
Frijolito	60	Gossypianthus	42
Fringe Tree, white	81	Gourd, wild	99
Froelichia	42	GRAMINEAE	14
Frogbit Family	14	Granjeno	38
Frogbit	14	Grape Family	69
Fuirena	28	Downy	69
FUMARIACEAE	48	Frost	69
Fumaria	48	Missouri	69
Fumitory Family	48	Mountain	69
Funastrum	83	Muscadine	69
		Mustang	69
Gaillardia	106	Grass	
Showy	106	Alkali Sacaton	23
Galactia	57	Arrowfeather	15
Galinsoga	106	Bahia	21
Galium	97	Barnyard	17
GARRYACEAE	36	Bermuda	16
Garrya Family	36	Blue-eyed	34
Garrya	36	Bushy Beard	14
Gastridium	18	Elliotts Beard	14
Gatesia	96	Texas Beard	14
Gaura	76	Autumn Bent	14

	PAGE		PAGE
Grass (<i>Continued</i>)		Grass (<i>Continued</i>)	
Creeping Bent	14	Love, Plains	17
Water Bent	14	Love, Purple	17
Annual Blue	22	Manna, eastern	18
Bigelow's Blue	22	Manna, fowl	18
Canada Blue	22	Melic, Porter's	19
Inland Blue	22	Mesquite, curly	18
Kentucky Blue	22	Mesquite, vine	21
Texas Blue	22	Millet, broomcorn	20
Bluestem	14	Millet, brown top	20
Big Bluestem	14	Millet, foxtail	22
Little Bluestem	14	Muhly, bush	19
Bristle	22	Muhly, mesa	19
Giant Bristle	23	Muhly, mountain	19
Green Bristle	23	Muhly, New Mexican	19
Knotroot Bristle	22	Muhly, purple	19
Plains Bristle	23	Mutton	22
Broadleaf Uniola	24	Natal	24
Canada Brome	16	Needle	15
Fringed Brome	16	Needle, blackseed	23
Ripgut Brome	16	Needle, Columbia	23
Texas Brome	16	Needle and thread	23
Broom Sedge	14	Needle, pringle	24
Bull	19	Needle, Texas	23
Buffalo	16	Nimblewill	19
False Buffalo	20	Nutgrass, northern	26
Bunch	32	Nutgrass, southern	27
Burro	22	Plume, bent awn	18
Canary	22	Plume, silver	18
Maidencane	20	Plume, sugarcane	18
Southern Cane	15	Quack	14
Switch Cane	15	Rabbitfoot	22
Carpet	15	Rescue	16
Catchfly	18	Rhodes	16
Chess	16	Rice, pinyon	22
Chess, downy	16	Ribbon	32
Chess, hairy	16	Ring	19
Chess, Japanese	16	Rye, Italian	19
Chess, soft	16	Rye, wild	17
Chino	15	Rye, perennial	19
Combs Paspalum	21	St. Augustine	23
Cord, big	23	Salt Cedar	19
Cord, prairie	23	Satintail	18
Cord, saltmeadow	23	Scorpion, early	107
Cord, smooth	23	Sea oats	24
Cotton top	24	Side oats	15
Crab	16	Six Weeks	15
Crinkle Awn	24	Sleepy	24
Cup, prairie	18	Slender	15
Cutgrass, rice	18	Sour	24
Deer	19	Spider	15
Dropseed, mesa	23	Spike Pappus	21
Dropseed, Neally	23	Spike redtop	
Dropseed, sand	23	Sprangletop, green	18
Dropseed, six weeks	23	Squirreltail	23
Eel	14	Stink	17
Feather, New Mexican	24	Stout Woodreed	16
Featherfinger	16	Switch	21
Fescue, nodding	18	Tanglehead	18
Fescue, six weeks	18	Tanglehead, sweet	18
Fluff	24	Three-awn, Arizona	15
Foxtail	14	Three-awn, Fendlers	15
Galleta	18	Three-awn, Havard	15
Gama, eastern	24	Three-awn, poverty	15
Golden top	18	Three-awn, prairie	15
Goose	17	Three-awn, purple	15
Grama, black	15	Three-awn, red	15
Grama, blue	15	Tickle	14
Grama, mat	15	Tobosa	18
Guinea	20	Triodia, hairy	24
Hair	14	Triodia, purple	24
Indian	23	Triodia, rough	24
Job's Tears	16	Triodia, slim	24
Johnson	23	Triodia, shortleaf	24
June	18	Tumble	22
Knotgrass	21	Turkeyfoot	14
Lace	17	Velvet	18
Love	17	Vetiver	24
Love, India	17	Water star	30
Love, Mexican	17	Wedge, prairie	23
		White	18

	PAGE		PAGE
Grass (<i>Continued</i>)		Hoarhound	90
Witch	20	Cutleaf	89
Witch, fall	19	Stalked Water	89
Windmill	16	Hoffmanseggia	58
Wolf tail	19	Hog Plum	68
Grass Family	13	Holcus	18
Gratiola	94	Holly	
Greenbrier	32	American	67
Grindelia	106	Deciduous	67
Gromwell, soft false	88	Largeleaf	67
Ground Cherry		Holly Family	67
Barbadoes	92	Holodiscus	53
Clammy	92	Honeysuckle, Evergreen coral	98
Cutleaf	92	Honeysuckle Family	98
Hillside	92	Hordeum	18
Lanceleaf	92	Hornbeam	36
Large Bladder	92	Hop	36
Longleaf	92	Hornwort Family	45
Low	92	Horsechestnut Family	68
Mexican	92	Horsetail Family	12
Roundleaf	92	Horseweed	125
Groundsel		Hottonia	80
Balsam	111	Houstonia	98
Common	111	Narrowleaf	98
Entireleaf	111	Slenderleaf	98
Groundsel-tree	102	Huisache	54
Guayule	109	Huisachillo	54
Guajillo	54	Hyacinth, water	30
Gulf	59	Hybanthus	73
Guilleminea	42	HYDROCHARITACEAE	14
Gumplant		Hydrocleis	14
Broadleaf	107	Hydrocotyle	78
Narrowleaf	107	Hydrolea	86
Gutierrezia	107	HYDROPHYLLACEAE	86
Gymnopogon	18	Hygrophila	96
Gymnopteris	10	Hymenocallis	33
		Hymenoclea	108
Habenaria	35	Hymenopappus	108
Hackelia	87	Woolly white	108
Halesia	81	Hymenothrix	108
HALORAGIDACEAE	77	HYPERICACEAE	86
HAMAMELIDACEAE	52	Hypericum	71
Hamamelis	52	Hypochoeris	108
Haploesthes	107	Hypopitys	79
Haw		Hypoxis	33
Green	53	Hyptis	89
Parsley	52	Hyssop	
Possum	67	Blue	93
Red	52	Clammy hedge	94
Hawkweed, long-bearded	108	Hairy hedge	94
Heath Family	79	Purple hedge	93
Hechtia	30		
Hedeoma	89	Ibervillea	99
Heimia	75	Ilex	67
Helenium	107	ILLECEBRACEAE	44
Helianthemum	72	Imperata	18
Helianthus	107	Indigo, wild	55
Helietta	63	Indigofera	58
Heliopsis	108	Ink berry	67
Heliotrope		Iodanthus	49
European	87	Ipomoea	85
Indian	87	Iresine	42
Heliotropium	87	IRIDACEAE	33
Hemerocallis	32	Iris	34
Hemicarpha	28	Iris Family	33
Henbit	89	Iron Weed	
Herbertia	33	Baldwin	113
Hermannia	71	Great	113
Hesperaloe	32	Isanthus	89
Heteranthera	30	ISOETACEAE	12
Heteropogon	18	Isoetes	12
Heterosperma	108	Isopyrum	46
Heterotheca	108	Isocarpha	108
Heuchera	51	Itea	51
Hexalectris	35	Iva	108
Hibiscus	70		
Hieracium	108	Jack-in-the-pulpit	29
Hilaria	18	Jacquemontia	85
HIPPOCASTANACEAE	68	Janusia	62
		Jasmine, yellow	81
		Jatropha	66

	PAGE		PAGE
Javelin-brush	68	Leonotis	89
Jerusalem artichoke	107	Leonurus	89
Jimson Weed	91	Lepachys	109
Joe-pye Weed	106	Lepidium	49
Jointfir Family	13	Leptochloa	18
Jointweed		Leptoloma	19
Coast	39	Lepuropetalon	51
Small	39	Lesquerella	49
JUGLANDACEAE	36	Lespedeza	58
Juglans	36	Lettuce	
Junco Family	62	Blue, large	108
JUNCACEAE	31	Wild	108
Juncus	31	Western	108
Juniper		Wood, hairy	108
Alligator	12	Wood, tall	108
Coast	12	Leucaena	58
Drooping	12	Leucampyx	108
Pinchot	12	Leucophyllum	94
Redfruited	12	Liatris	109
Juniperus	12	Licorice	58
Jussiaea	76	Ligustrum	81
Justicia	96	LILIACEAE	31
		Lily Family	31
Kallstroemia	62	Green	32
Karwinskia	68	Pond, yellow	46
Kochia	41	Rain, plains	33
Knotgrass	39	Rain, yellow	33
Knotweed	40	Rain, white	33
Bush	40	Spider	33
Narrowleaf	40	Water, white	46
Slender	40	LINACEAE	61
Shore	40	Limnobium	14
Knotwort Family	44	Limnoda	19
KOEBERLINIACEAE	62	Limonium	80
Koerberlinia	62	Linaria	94
Koeleria	18	Linden Family	69
Kosteletzskya	70	Lindernia	94
Krameria	58	Lindheimera	109
Krigia	108	Linum	61
Kuhnia	108	Lion Head	89
Kyllinga	28	Liparis	35
		Lippia	88
LABIATAE	89	Liquidambar	52
Lachnocaulon	29	Lithospermum	87
Lactuca	135	Living Rock	73
Lady's thumb	40	Lizardtail Family	35
Ladiestresses	35	LOASACEAE	73
Grassleaf	35	Loasa Family	73
Little	35	LOBELIACEAE	100
Nodding	35	Lobelia	100
Slender	35	Lobelia Family	100
Lagenaria	99	Lobularia	49
Lagerstroemia	75	Loco, narrowleaf	55
Lambsquarters	41	Locust	
Lamium	89	Black	60
Lantana	88	Honey	57
Laphamia	108	Texas	57
Lappula	87	Water	57
Larkspur		Loeflingia	44
Blue	46	Loeselia	86
White	51	LOGANIACEAE	81
Lathyrus	58	Logania Family	81
LAURACEAE	47	Lolium	19
LARREA	62	Lonicera	98
Laurel Family	47	Loosestrife Family	75
Lavender, sea	80	Loosestrife	
Lazula	31	Fringed	80
Lead plant	55	Lanceleaf	80
Leatherleaf	67	Trailing	80
Leatherwood, southern	67	Winged	75
Leadwort Family	80	Lophocarpus	13
Leavenworthia	49	Lopseed Family	97
Lechea	72	LORANTHACEAE	38
Lechuguilla	33	Lote	68
LEGUMINOSAE	54	Lotus	58
Leersia	18	Ludwigia	76
LEITNERIACEAE	36	Lycium	92
Leitneria	36	Lupinus	
Lemna	29	Lycopersicon	92
LEMNACEAE	29	LYCOPODIACEAE	12
LENTIBULARIACEAE	95	Lycopodium	12

	PAGE		PAGE
Lycopus	89	Mesquite	60
Lycurus	19	Metastelma	83
Lygodesmia	109	Micranthemum	94
Rushlike	109	Micromeria	90
Lyonia	79	Microrhamnus	68
LYTHRACEAE	75	Microstylis	35
Lythrum	75	Mignonette Family	51
Maclura	38	Mikania	109
Macrosiphonia	82	Milfoil, yarrow	100
Madder Family	97	Milkweed	
Madeira Vine		Bedstraw	83
Gulf	45	Bluntleaf	83
Texas	45	Broadleaf	83
Madeira Vine Family	45	Butterfly	83
Madrono, Texas	79	Few Flowered	83
Magnolia	47	Low	83
Magnolia Family	47	Narrowleaf	83
MAGNOLIACEAE	47	Shorterowned	83
Mahogany Family	63	Swamp	83
Malachra	70	Thinleaf	83
Malacothrix	109	Vine	83
Mallow Family	69	White	83
Mallow		Whorled	83
Clustered poppy	70	Milkweed Family	83
Fringed poppy	70	Milkwort	
High	70	Barren, pine	64
Indian	69	Pink	63
Light Poppy	70	Racemed	64
MALPIGHIACEAE	62	White	63
Malpighia	63	Whorled	64
Malva	70	Milkwort Family	63
MALVACEAE	69	Milla	32
Malvastrum	70	Mimosa	68
Malvaviscus	70	Pink	56
Mammillaria	74	Prairie	57
Mauchia	109	Vine	59
Manisurus	19	Mimulus	94
Maurandya	94	Mint	
Maple		Horsemint, longflowered	90
Palmer	67	Horsemint, prostrate pink	90
Sugar	67	Mountain, narrowleaf	90
Maple Family	67	Mountain, whiteleaf	90
MARANTACEAE	34	Pink	91
Margaranthus	92	Roundleaf	90
Marrubium	89	Spearmint	90
Marshallia	109	Mint Family	89
Marsilea	11	Mirabilis	43
Marsilea Family	11	Mistletoe	
MARSILEACEAE	11	American	39
Matricaria	109	Cedar	39
Martynia	96	Mistletoe Family	38
MARTYNIACEAE	96	Mitchella	98
Matrimony Vine	92	Mitracarpum	98
Mayaca	30	Modiola	70
MAYACACEAE	30	Mollugo	44
Mayaca Family	30	Molochia	71
Mayapple	47	Momordica	99
Maytenus	67	Monanthochloe	19
Meadowbeauty		Monarda	90
Common	76	Monkeyflowers	94
Maryland	76	Monolepis	41
Meadowbeauty Family	76	Moonseed Family	47
Medicago	58	MORACEAE	38
Melanthium	32	Mortonia	67
Melia	63	Morning-glory	
MELIACEAE	63	Bush	85
Melampodium	109	Clustered blue	85
MELASTOMACEAE	76	Goatfoot	85
Melica	19	White	85
Melilotus	59	Morning-glory Family	84
Melochia	71	Morus	38
Melothria	99	Moss	
MENISPERMACEAE	47	Club	12
Menodora	81	Ballmoss, Bailey	30
Mentha	90	Ballmoss, small	30
Mentzelia	73	Spanish	30
Mercury		Motherwort	89
Hornbeam, three-seeded	64	Mahogany, mountain	52
Slender, three-seeded	64	Mugwort	
Mescalbean	60	Darkleaf	101
		Mexicana	101

	PAGE		PAGE
Muhlenbergia	19	Oak (<i>Continued</i>)	
Mulberry		Margarett's post	37
Black	38	Red	37
French	38	Red, Chisos	37
Mountain	38	Red, Shumard	37
Paper	38	Sand Jack	37
Red	38	Silver	37
Russian	38	Shinnery, Havard	37
Mulberry Family	38	Shinnery, Mohrs	37
Mullen	95	Shinnery, New Mexican	37
Moth	95	Shinnery, plains	37
Munroa	20	Shinnery, white	37
Mustard Family	48	White	37
Mustard		White, Durand	37
Sacred	92	White, mountain	37
Salt Water	48	Willowleaf	37
Tansy	50	Ocotillo	72
Myosotis	87	Ocotillo Family	72
Myosurus	46	Oenothera	76
Myrica	36	Oldenlandia	98
MYRICACEAE	36	OLEACEAE	81
Myriophyllum	77	Oligomeris	57
Myrtle, wax	36	Olive, wild	87
		Omphalodes	88
Najas	13	ONAGRACEAE	76
NAJADACEAE	13	Oneflower	95
Nama	86	Onion	
Nectouxia	92	White	31
Nelumbo	46	Yellow	31
Nemacladus	100	Onoclea	10
Nemastylis	34	Onosmodium	88
Nemophila	86	Operculina	85
Nemoseris	109	OPHIOGLOSSACEAE	11
Neotrelasea	30	Ophiglossum	11
Nepeta	90	Oplismenus	20
Nephropetalum	71	Opuntia	75
Neptunia	59	Orange, bitter	63
Nerisyrenia	49	ORCHIDACEAE	34
Nerium	82	Orchis	
Nettle		Canefly	35
Dead	89	Yellow fringed	34
False	38	Orchis Family	34
Horse	92	OROBANCHACEAE	95
Low spring	38	Orobanche	95
Small Bull	64	Orpine Family	51
Tall	38	Oryzopsis	20
Nettle Family	38	OSMUNDACEAE	11
Nicolletia	109	Osmunda	11
Nicotiana	92	Ostrya	36
Nierembergia	92	OXALIDACEAE	62
Nightshade		Oxalis	62
Purple	93	Oxeye, rough	108
Silverleaf	92	Oxyria	39
Vine	93	Oxytropis	59
Nightshade Family	91		
Nolina	32	Painted Cup	
Notholaena	10	Downy	93
Powdery	10	Entireleaf	93
Nothoscordum	32	PALMACEAE	29
Nuphar	46	Palm Family	29
Nyctaginia	43	Palm, Texas	29
NYCTAGINACEAE	43	Palmetto	29
NYPHAEACEAE	46	Panicum	20
Nymphaea	46	PAPAVERACEAE	48
Nymphoides	82	Pappophorum	21
Nyssa	79	Parietaria	38
		Parkinsonia	59
Oak		Parnassia	51
Black Jack	37	Paronychia	44
Brays	37	Parsley	79
Bur	37	Carrotleaf	78
Canbys	37	Erect hedge	79
Chestnut	37	Knotted hedge	79
Chestnut, small	37	Parsley Family	77
Chestnut, swamp	37	Parsnip	79
Drummonds post	37	Golden meadow	79
Dwarf	37	Wild	78
Lacey	37	Parthenium	109
Laurelleaf	37	Parthenocissus	69
Myrtleleaf	37	Partridgeberry	98
Overcup	37	Paspalum	21

	PAGE		PAGE
PASSIFLORACEAE	73	Physurus	35
Passiflora	73	Phytolacca	42
Passionflower Family	73	PHYTOLACCACEAE	42
Passionflower		Pickernel Weed	30
White	73	Pigeon Berry	42
Yellow	73	Pilea	38
Pastinaca	79	Pimpernel	
Paulownia	96	False	80
Pavonia	70	Scarlet	80
Pawpaw	47	PINACEAE	12
Pea Family	54	Pinaropappus	110
Peach, wild	53	Pine	
Pectis	110	Limber	12
Lemon-scented	110	Longleaf	12
Pedicularis	94	Pinyon	12
Peganum	62	Shortleaf	12
Pellaea	10	Western Yellow	12
Pennisetum	22	Pineapple Family	30
Pennyroyal		Pine drops	80
False	89	Pine Family	12
Rough	89	Pine Sap	79
Penstemon	94	Pinguicula	95
Cobaea	94	Pink	
Foxglove	94	Grass	34
Largeflower	94	Indian	82
Pink Plains	94	Marsh	82
Sharpleaf	94	Mountain	82
Smooth	94	Pink Family	44
Whiteflower	94	Pinus	12
Penthorum	51	Pipewort Family	29
Pentodon	98	Pipevine, woolly	39
Peppergrass	49	Piptochaetium	22
Pepper, water	40	Pistacia	66
Pepperwort, hairy	11	Pistia	29
Perezia	110	Pitcherplant	51
Pericome	110	Pitcherplant Family	51
Perilla	90	Pithecolobium	59
Perityle	110	Planera	38
Persea	47	Planetree Family	52
Persicaria	40	PLANTAGINACEAE	97
Longstyled	40	Plantago	97
Southwest	40	Plantain	
Water	39	Dooryard	97
Persimmon		Indian tuberous	103
Black	80	Many seeded	97
Eastern	80	Robin	105
Mexican	80	Water	13
Persimmon Family	80	Plantain Family	97
Petalostemum	59	PLATANACEAE	52
Peteria	59	Platanus	52
Petiveria	42	Pluchea	110
Petrophytum	53	Plum	
Petroselinum	79	Chicksaw	53
Petunia	92	Mexican	53
Wild	92	Wild	53
Phacelia	86	PLUMBAGINACEAE	80
Crenateleaf	86	Plumbago, Texas	80
Hairy	86	Plume, Apache	53
Phalaris	22	Poa	22
Phanerotaenia	79	Podophyllum	47
Phanerophlebia	11	PODOSTEMACEAE	51
Phaulothamnus	42	Podostemum	51
Phaseolus	59	Pogonia	35
Phegopteris	11	Rose	35
Philadelphus	51	Poinciana	60
Philoxerus	42	Poison Ivy	67
Phleum	22	Poison Oak	67
Phlox	86	Pokeweed Family	42
Drummonds	86	Polanisia	50
Prairie	86	POLEMONIACEAE	85
Smooth pink	86	Poliomintha	90
Wild Blue	86	Polygala	63
Phlox Family	85	POLYGALACEAE	63
Phoradendron	39	POLYGONACEAE	39
Phragmites	22	Polygonatum	32
Phryma	97	Polygonella	39
PHRYMACEAE	97	Polygonum	39
Physocarpus	53	Polymnia	110
Phyllanthus	66	POLYPODIACEAE	10
Physalis	92	Polypodium	11
Physostegia	90	Polypody, gray	11

	PAGE		PAGE
Polypogon	22	RESEDAEAE	51
Polypremum	81	Reverchonia	66
Polypteris	110	RHAMNACEAE	68
Rayless	110	Rhexia	76
Polystichum	11	Rhododendron	80
Polytaenia	79	Rhus	67
Pondweed Family	13, 30	Rhamnus	68
Ponil	53	Rhynchosia	60
Pontederia	30	Ribes	52
PONTEDERIACEAE	30	Rice	
Popple, aspen	35	Jungle	17
Poppy		Wild, annual	24
California	48	Wild, southern	24
Prickly	48	Wild, Texas	24
Red	48	Richardia	98
White	48	Ricinus	66
Yellow	48	Riverweed Family	51
Poppy Family	48	Rivina	42
Populus	35	Robinia	60
Porlieria	62	Rock Brush	57
Porophyllum	110	Rockrose Family	72
Portulaca	45	Rorippa	50
Hairy	45	ROSACEAE	52
PORTULACACEAE	45	Rosa	54
Potamogeton	13	Rose Family	52
Potentilla	53	Rose, McCartneys	54
Poteridium	53	Rotala	75
Primrose Family	80	Rouliniella	83
PRIMULACEAE	80	RUBIACEAE	97
Princess Feather	40	Rubus	54
Privet		Rudbeckia	111
California	81	Ruellia	96
European	81	Hairy	96
Proserpinaca	77	Hairy, slender	96
Prosopis	60	Smooth	96
Frunella	90	Stalked	96
Prunus	53	Rue Family	63
Psathyrotes	110	Rumex	40
Pseudabutilon	70	Ruppa	13
Pseudocymopterus	79	Rush Family	31
Pseudotsuga	13	RUTACEAE	63
Psilactis	110	Ruta	63
Psilocarya	28	Rynchospora	28
Psilostrophe	110		
Psoralea	60	Sabal	29
Ptelea	63	Sabatia	82
Pteridium	11	Sacciolepis	22
Pterocaulon	110	Sagaretia	68
Pterospora	80	Sage	
Ptilimnium	79	Gregg	90
Puncture Plant	62	Lyreleaf	90
Purplecone flower		Mealy	90
Narrowleaf	105	Perennial sandyland	90
Pale	105	Shrubby blue	90
Purplecud Weed	106	Sagebrush	101
Purslane, sea	44	Pasture	101
Purslane Family	45	Sagina	44
Pusley	45	Sagittaria	13
Western	45	SALICACEAE	35
Pussy Foot	59	Salicornia	41
Pycnanthemum	90	Salix	35
Pyramid Flower	82	Salizaria	90
Pyrhopappus	110	Salloa	111
Pyrus	54	Salsola	41
		Salt Cedar	72
Quassia Family	63	Salvia	90
Quercus	37	Salviastrum	91
Quillwort Family	12	Salvinia Family	11
Quinine Bush	52	SALVINIACEAE	11
		Sambucus	98
Rafinesquia	110	Samolus	80
Ragweed	100	Samuela	32
Lanceleaf	100	Sandbells	86
Ragwort, prairie	111	Sandalwood Family	38
RANUNCULACEAE	46	Sanicula	79
Ranunculus	46	SANTALACEAE	38
Raphanus	50	Sanvitalia	111
Rattlebox	56	SAPINDACEAE	68
Redbud		Sapindus	68
Eastern	56	Saponaria	45
Mountain	56	SAPOTACEAE	80

	PAGE		PAGE
Sapote Family	80	Smartweed	40
Sarracenia	51	Water	40
SARRACENIACEAE	51	Smilacina	32
Sarsaparilla, wild	47	Smilax	32
Sartwellia	111	Snailseed	47
Sassafras	47	Snake Eyes	42
Satureja	91	Snakeroot	
SAURURACEAE	35	Button, dotted	109
Savia	66	Button	78
Saxifraga	52	Button, hairy	109
SAXIFRAGACEAE	51	Button, large	109
Saxifrage Family	51	Button, slender	109
Schaefferia	67	Prairie	79
Schedonnardus	22	Nash	39
SCHIZEACEAE	11	Short styled	79
Schrankia	60	Virginia	39
Schoenocaulon	32	Snapdragon, vine blue	94
Schoenolirion	32	Sneezeweed	
Schoenus	28	Fineleaf	107
Sacahuista	32	Purplehead	107
Scirpus	28	Snowball, American	81
Scleria	29	Snowdrop Tree	81
Sclerocarpus	111	Snow-on-the-mountain	65
Scleropoa	22	Soapberry Family	68
Scleropogon	22	SOLANACEAE	
Scoparia	94	Solanum	92
Scouring Rush	12	Solidago	112
Scrambled Eggs	48	Soliva	112
Screw Bean	60	Sonchus	112
SCROPHULARIACEAE	93	Sophora	60
Scurvy Pea	60	Pink	60
Scutellaria	91	Silky	60
Sebastiana	66	Sorghastrum	23
Secale	22	Sorghum	23
Sedge Family	25	Sorrel	
Sedum	51	Mountain	39
Texas	51	Sheep	40
Seedbox	76	Wood, violet	62
Selaginella	12	Wood, yellow	62
SELAGINELLACEAE	12	Spanish dagger	33
Selaginella Family	12	Spanish needles	103
Selenia	50	Spartina	23
Self-heal	90	Spectacle Pod	50
Selinocarpus	44	Specularia	99
Senecio	111	Speedwell	
Broom-like	111	Corn	95
Senna		Purslane	95
Coffee	56	Water	95
Sickle	56	Spergularia	45
Sensitive Brier, yellow	59	Spergularia	45
Serenoa	29	Spermacoce	98
Serinia	111	Spermolepis	79
Serjania	68	Sphaeralcea	71
Serviceberry	52	Sphenoclea	100
Sesbania	60	Sphenopholis	23
Sesuvium	44	Spiderwort	30
Setaria	22	Spiderwort Family	30
Seutera	83	Spigelia	82
Seymeria	95	Spilanthes	112
Shame Vine	60	Spiranthes	35
Shepherd's Purse	48	Spirodela	29
Shooting Star	80	Spleenwort	
Sicyos	99	Ebony	10
Sida	70	Maiden Hair	10
Sidalcea	71	Small	10
Silene	45	Sporobolus	23
Silphium	111	Spurge	
SIMARUBACEAE	63	Blunt	65
Simsia	111	Cypress	65
Siphonanthus	88	Flowering	65
Siphonoglossa	97	Geyers	65
Sisymbrium	50	Hairy spreading	65
Sisyrinchium	34	Hoary	65
Sitanion	23	Myrtle	65
Sium	79	Narrowseeded	66
Skullcap		Petty	65
Hyssop	91	Prairie	66
Resinous	91	Seaside	65
Small	91	Spotted	65
		Tinted	65
		Thymeleaf	66

	PAGE		PAGE
Spurge (<i>Continued</i>)		Taraxacum	113
Toothed	65	Tasajillo	75
Variedleaf	65	Tauschia	79
Wart	65	Taxodium	13
Warty	65	Tea, New Jersey	68
Whiteflowered	65	Tearthumb	
Spurge Family	64	Arrowleaf	40
Squawroot, Mexican	95	Halbardleaf	39
Stachys	91	Teasel Family	99
Stafftree Family	67	Teasel, card	99
Stagger Bush	80	Tecoma	96
Stanleya	50	Tectaria	11
Stanleyella	50	Tephrosia	61
Starwort, vernal water	66	Tetracarpum	113
Statice	80	Tetraclea	91
Steironema	80	Tetragonotheca	113
Stellaria	45	Tetramerium	97
Stemodia	95	Teucrium	91
Stenandrium	97	Texas Tuberosa	33
Stenophyllus	29	Texas Star	
Stenorrhynchus	35	Blue	82
Stenosiphon	77	Yellow	109
Stenotaphrum	23	Thalia	34
Stephanomeria	112	Thalictrum	47
STERCULIACEAE	71	Thamnosma	63
Stevia	113	Thelesperma	113
Stitchwort, fleshy	45	Thelypodium	50
Stillingia	66	Thistle	
St. Johnswort Family	71	Field	104
Stonecrop	51	Sow	112
Storax Family	81	Sow, annual	112
Storax		Sow, corn	112
Downy	81	Sultana Star	103
Sycamoreleaf	81	Tall	104
Storksbill, large flowered	62	Virginia	104
Strawberry blite	41	Wavyleaf	104
Strawberry Bush	67	Thalaspis	50
Streptanthus	50	Thornapple	91
Strophestyles	71	Oakleaf	91
Stylocline	113	Thoroughwort	105
Stylosanthes	61	Hyssopleaf	105
STYRACACEAE	81	Large flower	103
Styrax	81	Late flowering	106
Suaeda	41	Pink	105
Sumac		Roundleaf	106
Evergreen	67	Tall	105
Staghorn	67	Whitebracted	106
Sumac Family	66	Thryallis	63
Sundew Family	57	Thymeleaf	104
Sunflower		Thunbergia	97
Common	107	Thurovia	113
Fewleafed	107	Tidestromia	42
Hairy	107	TILIACEAE	69
Maximilians	107	Tilia	69
Plains	107	Tillaea	51
Prairie	107	Tillandsia	30
Prostrate	103	Tiny Tim	105
Sawtooth	107	Tipularia	35
Silverleaf	107	Tomato, cherry	92
Stiffhaired	107	Torilis	79
Swamp	107	Tornillo	60
Throatwort	107	Tournefortia	88
Supplejack, rattan	68	Townsendia	113
Swamp Squaw Weed	111	Trachelospermum	82
Swanflower	39	Trachypogon	24
Sweet Bay	47	Tradescantia	30
Sweet Gale Family	36	Tragia	66
Sweet Gum	52	Tragopogon	113
Sweet William	86	Tragus	24
Sycamore	52	Tree-of-heaven	63
Symphoricarpos	98	Trepocarpus	79
Synthlipsis	50	Trianthema	44
Tagetes	113	Tribulus	62
Talinopsis	45	Tricachne	24
Talinum	45	Trichloris	24
Tallow Weed	97	Trichocoronis	113
TAMARICACEAE	72	Tricholaena	24
Tamarix	72	Trichoneura	24
Tamarisk Family	72	Trichostema	91
		Trifolium	61

	PAGE		PAGE
Trillium	32	Vitis	69
Triodia	24	Vitex	89
Triphasia	63	Vauquelinia	54
Triplasis	24	Wahoo	67
Tripogon	24	Wallflowers	49
Tripsacum	24	Walnut Family	36
Trisetum	24	Walnut	
Trixis	113	Black	36
Tronadora	92	River	36
Trumpet creeper Family	95	Waltheria	71
Trumpet creeper	95	Waterhemp	41
Tumbleweed	42	Waterleaf Family	86
Plains	41	Waterily Family	46
TURNERACEAE	72	Water milfoil Family	77
Turnera	72	Waterplantain Family	13
Turnera Family	72	Water starwort Family	66
Tupelo, big	79	Waterwort Family	72
Twayblade	35	Whitebrush	38
TYPHACEAE	13	Whitlowgrass	49
Typha	13	Willkommia	24
ULMACEAE	38	Willow Family	35
Ulmus	38	Willow	
UMBELLIFERAE	77	Desert	95
Ungnadia	68	Primrose	76
Unicorna Family	96	Water, denseflowered	96
Unicornplant	96	Water, looseflowered	96
Uniola	24	Water, narrowleaf	96
URTICACEAE	38	Wine Cup	70
Urtica	38	Winterfat	41, 97
Urvillea	68	Wislizenia	50
Utricularia	95	Wisteria	61
Vaccinium	80	Wissadula	71
VALERIANACEAE	99	Witch Hazel Family	52
Valeriana	99	Witch Hazel	52
Valerianella	99	Wolffia	29
Valerian Family	99	Wolffiella	29
Valerian, Texas	99	Woodsia	11
Vallisneria	14	Woodsorrel Family	62
Varilla	113	Woodwardia	11
Vaseyochloa	24	Wormseed	41
Venus Looking-glass	100	Wormwood	
Small	99	Linearleaf	101
Western	100	Silvery	101
Verbascum	95	Wild	101
VERBENACEAE	88	Woundwort, field	91
Verbena	88	Xanthisma	114
Verbena Family	88	Xanthium	114
Verbena	88	Xanthoxylum	63
Smallflowered	88	XYRIDACEAE	30
Western pink	88	Xyris	30
Verbesina	113	Yam Family	33
Vernonia	113	Yaupon	
Veronica	88	Desert	67
Vervain	88	Evergreen holly	67
Blue	88	Yellowtop	113
European	89	Yerba del Buey	69
Mullenleaf	89	Yerba de tajo	105
White	89	Yerba de Vibrona	99
Vetiveria	24	Yelloweye Grass Family	30
Viburnum	99	Youquepin	46
Vicia	61	Yucca	32
Vigna	61	Early	32
Viguiera	114	Redflowered	32
Vinca	83	Twistedleaf	32
Vincetoxicum	84	Zannichellia	13
VIOLACEAE	73	Zephyranthes	31
Viola	73	Zexmenia	114
Violet Family	73	Zinnia	114
Violet		Prairie	114
Birdfoot	73	Zizania	24
Butterfly	73	Zizaniopsis	24
Dogtooth	32	Zizia	71
Green	73	Zornia	61
Lanceleaf	73	ZYGOPHYLLACEAE	6
Palm	73	Zygadenus	3
Virgin Bower, Texas	46		
Virginia Creeper	69		
VITACEAE	69		