

**List of Vascular Plants**

**From**

**Los Alamos County, New Mexico**

**C.F. Keller**

**Jemez Mountain Herbarium**

**Pajarito Environmental Education Center**

**Los Alamos, N.M.**

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## Introduction

This list is a compilation of every known species in Los Alamos County. The total number is some 807 (perhaps one of the highest species densities in the state). No attempt has been made to get all varieties. Vouchered specimens (with exception of some 35 sheets at UNM) are housed in Los Alamos at the Jemez Mtn. Herbarium in the Pajarito Environmental Education Center (PEEC 505-662-0460). Some 30 or so have vouchers in the nearby counties but have not been collected in the county. This includes rare plants such as *Lilium philadelphicum* and *Cypripedium parviflorum*. From comparison with lists from the Valles Caldera National Preserve and Bandelier N.M. it is estimated that the total species count for the County is probably 50-75 more. However, the list as it stands is remarkable. Los Alamos County, though small (~ 5 miles on a side), has a large variety of habitats (lacking primarily in ponds), from pinon-juniper at 5500 ft. along the Rio Grande to mixed conifer at 10,400 ft. Riparian canyons such as Frijoles, Water, Valle, Pajarito, Los Alamos, and Guaje add to the diversity.

Interesting species include (but are not limited to) the two above, *Dalea aurea*, *Verbena hastata*, *Stenotus amerioides*, *Helianthella quinquenervis*, *Penstemon whippleanus*, *Lactuca biennis* (new for state as of 1984?), etc. Candidates for northern-most location include: *Baileya radiata*, *Quercus grisea*, *Notholaena standleyi*, *Cheilanthes wootonii*, *Arctostaphylos pungens*, *Drymaria leptophylla* and *molluginea/sperguloides*, . Of special note for diversity are *Dalea* (10), grasses (140), and *Carex* (22) , and ferns (15).

Vouchered specimens are databased in File Maker Pro and are available upon request.

The author would especially like to thank Roger Peterson for use of his herbarium and library and his constant help with identification, as well as conversations, advice, and field trips with Brian Jacobs, Dorothy Hoard, Terry Foxx, Sam Loftin, Ron Hartmann, Becky Shankland, student assistant, Samantha Stutz, and my constant companion and gentle critic, Yvonne Keller. I would like to recognize also:

- the USFS for loaning its collection (some 1100 specimens collected by Brian Rief) from the Santa Fe National Forest as well its donation of \$500.00 worth of herbarium supplies;
- the New Mexico Native Plant Society for providing funds for a herbarium case;
- the Los Alamos National Laboratory for donating its entire collection in three herbarium cases as well as voluminous supplies,
- the Los Alamos National Laboratory Foundation for donating \$1,000 for purchase of volumes of *Flora of North America*;
- Dorothy and Don Hoard, Judy and Don Machen of Los Alamos and Los Alamos Pet Care for donating the \$1850 to purchase a Canon binocular herbarium microscope like the ones at UNM Herbarium, and to
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Questions may be addressed to Chick Keller 505-662-7915, [alfanso@cybermesa.com](mailto:alfanso@cybermesa.com)

<b>Aceraceae</b>	Acer	glabrum var. glabrum negundo
<b>Agavaceae</b>	Yucca	bacatta gauca/angustissima
<b>Amaranthaceae</b>	Amaranthus	albus hybridus
<b>Anacardaceae</b>	Rhus Toxicodendron Rhus	trilobata rydbergia/radicans glabra trilobata
<b>Apiaceae</b>	Berula Cicuta Conium	erecta var. incisa maculata var. angustifolia maculatum
Conioselinum	scopulorum Cymopterus	acaulis var. fendleri bulbosus lemmonii
	Heracleum Ligusticum Osmorhiza Oxypolis	maximum/lanatum porteri depauperata fendleri
<b>Apocynaceae</b>	Apocynum	androsaemifolium cannabinum
<b>Araliaceae</b>	Aralia	racemosa
<b>Asclepiadaceae</b>	Asclepias	asperula englemanniana involucrata macrotis subverticillata speciosa tuberosa
<b>Asteraceae</b>	Achillea Ageratina/Eupatorium Agoseris	millefolium herbacea arizonica aurantiaca var. purpurea glauca
	Ambrosia	acanthicarpa artemisiifolia var. elation psilostachya
	Anaphalis Antennaria	magaritaceae marginata parviflora
	Arctium Artemesia	minus bigelovii campestris var. pacifica dracunculus filifolia frigida carruthii franserioides

		tridentata
	Baccharis	salicina
	Bahia	dissecta
	Baileya	multiradiata
	Berlandiera	lyrata
	Bidens	cernua
		frondosa
		tenuisecta
<b>Asteraceae</b>	Brickellia	brachyphylla
		californica
		eupatorioides var. chlorolepis
		fendleri
		grandiflora
		rusbyi
	Centaurea/Acroptilon	repens
	Chaetopappa	ericoides
	Chrysothamnus	nauseosus ssp. bigelovii
		nauseosus ssp. latisquameus
		parryi ssp. attenuatus
	Cichorium	intybus
	Circium	pallidum
		parryi
		undulatum
		vulgare
	Cosmos	parviflorus
	Crepis	capillaris
	Dyssodia	papposa
	Erigeron	bellidiastrum
		canus
		divergens
		eximius
		flagellaris
		formosissimus var. vicius
		philadelphicus
		pumilis?
		speciosus var. speciosus
		speciosus var. macranthus
		subtrinervis
		tracyi
		vreelanderi
	Euthamia	occidentalis
	Gaillardia	pinnatifida
		pulchella
	Grindelia	nuda var. aphanactis
		squarrosa var. serrulata
	Gutierrezia	sarothrae
	Helenium	autumnale var. montanum
	Helianthella	quinquenervis
	Helianthus	annuus
		pauciflorus/rigidus
		petiolaris
	Heliomeris/Viguiera	multiflora
	Heterotheca	villosa
	Hieracium	fendleri
	Hymenopappus	filifolium
		flavescens
		newberryi

Hymenoxys/Helenium	hoopesii richardsonii
Hypochaeris	radicata
Iva	xanthifolia/ axillaris
Krigia	biflora
Lactuca	biennis canadensis graminifolia var. arizonica seriola tartarica subsp. pulchella
Laennecia	coulteri
Leibnitzia/Chaptalia	seemannii
Liatris	punctata
Lygodesmia	juncea
Machaeranthera	bigelovii var. bigelovii canescens tanacetifolium
<b>Asteraceae</b>	
Malacothrix	fendleri
Matricaria	discoidea
Oligoneuron	rigida var. humile
Oreochrysum	parryi
Pericome	caudata
Pseudognaphalium	canescens/wrightii macounii
Psilostrophe	tagetina
Pyrrhopappus	pauciflorus/multicaulis
Ratibida	columnifera tagetes
Rudbeckia	hirta laciniata
Schkuhria	multiflora
Scorzonera	laciniata
Senecio/Packera	bigelovii eremophilus fendleri flaccidus hartianus multicapitatus neomexicanus pseudareus (within a quarter mile--Cerro Grande Saddle spartioides var. multicapitatus spartioides var. spartioides vulgaris wootonii
Solidago	canadensis/lepida missouriensis nana nemoralis var. longipetiolata simplex var. simplex speciosa velutina wrightii var. adenophora
Sonchus	asper
Stenotus	amerioides
Stephenomeria	pauciflora
Symphotrichum/Ast	ascendens lanceolatum ericoides var. ericoides

		falcatum var. commutatum
		laevis var. laevis
		sublatum/exilis
	Taraxacum	erythrospermum/laevigatum
		officinale
	Tetradymia	canescens
	Tetraneuris	argentea
	Thelespermum	filifolium
		megapotamicum
	Townsendia	annua
		eximia
		exscapa
	Tragopogon	dubius
	Verbesina	encelioides
	Xanthisma	gracile
		spinulosum/pinnatifida
	Xanthium	strumarium v. can.
<b>Berberidaceae</b>	Berberis	fendleri
		repens
<b>Betulaceae</b>	Alnus	incana
	Betula	occidentalis
<b>Boraginaceae</b>	Cryptantha	cinerea var. cinerea
		cinerea var. jamesii
		crassisejala var. elachantha
		fulvocanescens
	Hackelia	besseyi
		floribunda
	Lappula	occidentalis/redowskii
		squarrosa
	Lithospermum	incisum
		multiflorum
	Mertensia	fusiformis
		lanceolata var. lanceolata
<b>Brassicaceae</b>	Alyssum	parviflorum/ minus var. micranthum
	Arabis	hirsuta
	Barbarea	orthoceras
		vulgaris
	Boechea/Arabis	diverticulata
		drummondii/stricta
		divaricarpa
		fendleri
		perennans/pallidifolia
	Brassica	rapa
	Capsella	bursa-pastoris
	Cardaria	draba
	Chorispora	tenella
	Descurainia	incana
		incisa subsp filipes
		obtusa var. obtusa
		pinnata subsp. brachycarpa
		sophia
	Dimorphocarpa	wislizeni
	Draba	aurea
		spectabilis??
		helleriana
		reptans
	Erysimum	capitatum

	Lepidium	campestre chalepense densiflorum latifolium ramosissimum virginicum
	Lesquerella	fendleri intermedia
	Nasturtium	officinale
	Pennellia	longifolia micrantha
	Rorippa	microphylla palustris var. palustris sphaerocarpa
	Schoenocrambe	linearifolia
	Sisymbrium	altissimum
	Thelypodopsis	purpusii
	Thelypodium	wrightii
	Thlaspi	arvense montanum
	Turrits/Arabis	glabra
<b>Cactaceae</b>	Coryphantha	vivipara
	Cylindropuntia	imbricata
	Echinocereus	coccineus fendleri triglochidiatus viridiflorus
	Opuntia	engelmannii (photo) phaeacantha polyacantha
	Sclerocactus	papyracanthus
<b>Campanulaceae</b>	Campanula	parryi
		rotundifolium
	Lobelia	cardinalis
<b>Cannabaceae</b>	Triodanis	perfoliata
	Humulus	lupulus
<b>Capparaceae</b>	Cleome	serrulata
	Polanisia	dodecandra
<b>Caprifoliaceae</b>	Lonicera	involucrata
	Sambucus	nigra ssp. cerulea racemosa var. microbotrys
	Symphoricarpos	rotundifolius/oerophilus
<b>Caryophyllaceae</b>	Arenaria	fendleri lanuginosa var. saxosa
	Cerastium	arvense brachypodium (nutans) glomeratum/viscosum
	Drymaria	leptophylla molluginea / sperguloides
	Moehringia	macrophylla
	Silene	antirrhina menziesii

	Spergularia Stellaria/Alsine	noctiflora scouleri salina media
<b>Ceastraceae</b>	Pachystima	myrsinites
<b>Chenopodiaceae</b>	Atriplex Chenopodium	canescens album atrovirens capitatum desiccatum/leptopylloides fremontii incanum leptophyllum pratericola rubrum
	Corispermum Dysphania Kochia Krascheninnikovia Salsola	sp. graveolens scoparia lanata tragus
<b>Clusiaceae</b>	Hypericum	scouleri
<b>Commelinaceae</b>	Commelina Tradescantia	dianthifolia occidentalis
<b>Convolvulaceae</b>	Calystegia Convolvulus Evolvulus Ipomoea	sepia subsp. angulata arvensis sericeus cristulata/cocinnea purpurea
<b>Cornaceae</b>	Cornus	sericea
<b>Crassulaceae</b>	Sedum	cockerelli
<b>Cupressaceae</b>	Juniperus	communis deppeana monosperma scopulorum
<b>Cuscutaceae</b>	Cuscuta	sp?
<b>Cyperaceae</b>	Carex	aquatilis bolanderi/deweyana brevior canescens deweyana disperma douglasii duriuscula emoryi geophila inops subsp. heliophila

		microptera occidentalis pellita/lanuginosa praegracilis rossii sicata/foena stipata subfusca utriculata/rostrata vulpinoidea wootonii fendlerianus macrostachya palustris acutus microcarpus pallidus
	Cyperus Eliocharus	
	Schoenoplectus Scirpus	
<b>Dennstaedtiaceae</b>	Pteridium	aquilinum
<b>Dryopteridaceae</b>	Athyrium Cystopteris Dryopteris Woodsia	filix-femina var. californicum reevesiana filix-mas neomexicana oregana var. cath.
<b>Elaeagnaceae</b>	Elaeagnus	angustifolia
<b>Equisetaceae</b>	Equisetum	arvense laevigatum
<b>Ericaceae</b>	Arctostaphylos	pungens uva-ursi
Eri/Monot	Chimaphila Monotropa Orthilia Pyrola	umbellata hypopitys secunda asarifolia chlorthantha
<b>Eri/Monot</b>	Vaccinium Pterospora	myrtilus andromeda
<b>Euphorbiaceae</b>	Chamaesyce/eupho  Croton Euphorbia  Tragia	fendleri glyptosperma prostrata revoluta serpyllifolia texensis brachycera cuphosperma/dentata nepetifolia
<b>Fabaceae</b>	Amorpha Astragalus	fruticosa ceramicus flexuosus kentrophyta var. neomexicana lentiginosus lotiflorus missouriensis

		nuttallianus
		praelongus
	Coronilla	varia
	Dalea	aurea
		brachystachys
		candida
		cylindriceps
		formosa
		jamesii
		lanata
		leporina
		nana
		purpurea
	Glycyrrhiza	lepiota
	Lathyrus	arizonicus
	Lotus	wrightii
	Lupinus	caudatus
		kingii
	Medicago	lupulina
		sativa
	Psoralidium	lanceolatum
	Robinia	neomexicana
	Sophora	nuttalliana
	Thermopsis	rhombifolia var. rhombifolia
		rhombifolia var. montana
	Triflorum	pratense
	Vicia	americana
		ludoviciana/exigua
		villosa subsp. Villosa
<b>Fagaceae</b>	Quercus	gambelii
		grisea
		turbinella
		undulata
<b>Fumariaceae</b>	Corydalis	aurea
<b>Gentianaceae</b>	Frasera	speciosa
	Gentiana	affinis/bigelovii
	Gentianella	amarella
<b>Geraniaceae</b>	Erodium	cicutarium
	Geranium	caespitosa
		richardsonii
<b>Grossulariaceae</b>	Ribes	cereum
		inermis
		leptanthum
<b>Hydrangeaceae</b>	Fendlera	rupicola
	Jamesia	americana
	Philadelphus	microphyllus
<b>Hydrophyllaceae</b>	Hydrophyllum	fendleri
	Phacelia	heterophylla
		integrifolia
<b>Iridaceae</b>	Iris	missouriensis

	Sisyrinchium	demissum
<b>Juncaceae</b>	Juncus	balticus bufonius ensifolius var. montanus filiformis interior longistylis tenuis parviflora
	Luzula	
<b>Lamiaceae</b>	Dracocephalum Hedeoma	parviflorum drummondii nana
	Lycopus Marrubium Mentha Monarda	americanus vulgare arvensis fistulosa pectinata
	Nepeta Prunella Salvia	cataria vulgaris reflexa subincisa
<b>Lemnaceae</b>	Lemna	minor
<b>Liliaceae</b>	Alium	geyeri cernuum
	Asparagus Calochortus	officinale gunnisonii nuttalii
	Lilium Maianthemum	philadelphicum racemosum sub. amplexicaule stellatum
	Streptopus Zigadenus	amplexifolius elegans
<b>Linaceae</b>	Linum	aristatum australe/ aristatum lewisii neomexicanum puberulum rigidum var. rigidum
<b>Loasaceae</b>	Mentzelia	albicaulis multiflora/ pumila springeri
<b>Malvaceae</b>	Hibiscus Malva Sidalcea Sphaeralcea	trionum neglecta candida angustifolia var. lobata coccinea emoryi fendleri var. elongata hastulata var. fendleri
<b>Moraceae</b>	Morus	alba (narrow lvs.)

<b>Nyctaginaceae</b>	Mirabilis	linearis oxybaphoides multiflora
<b>Nyct?</b>	two style mystery	
<b>Oleaceae</b>	Forestiera	pubescens
<b>Onagraceae</b>	Calylophus Chamerion/Epilob Circaea Epilobium  Gaura  Oenothera	hartwegii angustifolium alpina brachycarpum ciliatum coccinea mollis/parviflora albicaulis caesepitosa coronopifolia elata subsp. hirsutissima pallida
<b>Orchidaceae</b>	Calypso Corallorhiza  Cypripedium Epipactis Goodyera Malaxis Platanthera	bulbosa maculata striata parviflorum gigantea oblongifolium soulei huronensis
<b>Orobanchaceae</b>	Conopholis Orobanche	alpina multiflora fasciculata
<b>Oxalidaceae</b>	Oxalis	violacea
<b>Pinaceae</b>	Abies  Picea  Pinus  Pseudotsuga	concolor arizonica/lasiocarpa engelmannii pungens? edulis ponderosa strobiformis menziesii
<b>Plantaginaceae</b>	Plantago	lanceolata major patagonica
<b>Poaceae</b>	Achnatherum/Stipa Achnatherum/Stipa Aegilops Agropyron Agrostis	lettermanii perplexum/nelsonii cylindrica cristatum var desertorum alba exarata gigantea scabra stolonifera

	Alopecurus	aequalis
	Andropogon	gerardii var. chrysocomas
	Aristida	adscensionis
		arizonica
		divaricata
		orcuttii
		purpurea
		purpurea var. fendleriana
		purpurea var. longisetae
	Avena	fatua
	Beckmannia	syzigachne
	Blepharoneuron	tricholepis
	Bothriochloa	laguroides
		springfieldii
Poaceae	Bouteloua	curtipendula
		eripoda
		hirsuta
		simplex
	Bromus	anomalus
		carinatus var. polyanthus
		catharticus
		ciliatus
		inermis var. inermis
		japonicus var. commutatus
		porteri
		sterilis
		tectorum
	Buchloa	dactyloides
	Calamagrostis	canadensis
		stricta subsp. inexpansa
		stricta/neglecta (IMF)
	Cenchrus	longispinus
	Chloris	verticillata
		virgata
	Dactylis	glomerata
	Danthonia	intermedia
		parryi
		spicata
	Dasychloa/Erioneur	pulchella
	Dichanthelium	linearifolium
		oligosanthes var. scribnerianum
	Echinochloa	crus-gallii
		muricata var. microstachya
	Elymus	bakeri
		canadensis
		elongatus
		glaucus
		hispidus var. barbulator
		lanceolata var. riparius
		longifolius var. brevifolium
		smithii
		trachycaulus var. subsecunda
		virginicus
	Eragrostis	cilianensis
		pectinacea var. pectinacea
	Erioneuron	pilosum
	Festuca	arizonica
		arundinacea

	arundinacea/pratensis
	idahoensis
	saximontana
	sororia
	thurberi
Hordeum	jubatum
	murinum subps glaucum
	pusillum
	vulgare
Koeleria	macrantha
Leersia	oryzoides
Leptochloa	dubia
Lolium	multiflorum
	perenne var. aristatum (multiflorum)
Lycurus	setosa
Melica	porteri
Muhlenbergia	andina
	asperiflora
	montana
	pauciflora
	porteri
	racemosa
<b>Poaceae</b>	ramulosa
	richardsonis
	torreyi
	wrightii
Munroa	squarrosa
Oryzopsis	asperifolia
	hymenoides
	micrantha
Panicum	bulbosum
	capillare
	obtusum (no stolons)
	virgatum
Phalaris	arundinacea
	minor
Phleum	alpina
	pratense
Phragmites	australis
Piptatherum	micranthum
Pleuraphis/Hilaria	jamesii
Poa	annua
	compressa
	fendleriana (broad blades?)
	glauca
	interior
	palustris
	pratensis
	reflexa?
Polypogon	monspeliensis
	viridis
Schedonnardus	paniculatus
Schizachne	purpurascens
Schizachyrium	scoparium
Secale	aestivum
	cereale
Setaria	lutescens
	pumila (lutescens)

		viridis
	Sorghastrum	nutans
	Sorghum	bicolor,subsp.bicolor/ vulgare
	Sphenopholis	obtusata
	Sporobolus	airoides (with rhizomes??)
		contractus
		cryptandrus
		flexuosus
		giganteus
	Stipa	comata var. comata
	Torreyochloa	pallida
	Trisetum	montanum
	Triticum	aestivale
	Vulpia	octoflora var. glauca
<b>Polemoniaceae</b>	Aliciella/ Gilia	pinnatifida
	Gilia	aggregata
	Ipomopsis	inconspicua
		laxiflora
		longiflora
		pumila
	Leptosiphon/Linanth	nuttallii
	Microsteris	gracilis
	Polemonium	foliosissimum
<b>Polygonaceae</b>	Eriogonum	alatum
		cernuum
		jamesii var. undulatum
		microthecum var. simpsonii
		polycladon
		racemosum
	Fagopyrum	esculentum
	Persicaria	amphibia
	Polygonum	aviculare
		convolvulus
		douglasii
		lapathifolium
		persicaria
		ramosissimum
		sawatchense
	Rumex	crispus
		triangulivalvus
<b>Portulacaceae</b>	Phemeranthus	longipes
	Portulaca	halimoides/ parvula
		oleracea/retusa
<b>Primulaceae</b>	Androsace	occidentalis var. occid.
		septentrionalis
	Dodecatheon	pulchellum
<b>Pteridaceae</b>	Argyrochosma/Pellaea	fendleri
	Cheilanthes	eatonii
		feei
		fendleri
		tomentosa
		wootonii
	Notholaena	standleyi
	Pellaea	intermedia-longimucronata/truncata

		wrightiana/longimucronata
<b>Ranunculaceae</b>	Aconitum	columbianum
	Anemone	cylindrica
	Aquilegia	coerulea
		desertorum
	Clematis	columbiana
		ligusticifolia
	Delphinium	wootonii/virescens
	Myosurus	nitidus
	Pulsatilla	patens
	Ranunculus	cardiophyllus
		cymbalaria
		hispidus/repens var. hispidus
		inamoenus var. inamoenus
		macounii
		ranunculinus
		repens
		sceleratus
	Thalictrum	fendleri
	Trautvetteria	caroliniensis
<b>Rhamnaceae</b>	Ceanothus	fendleri
<b>Rosaceae</b>	Agrimonia	striata
	Amelancier	utahensis
	Argentina/Potentilla	anserina
	Cercocarpus	montanus
	Crataegus	erythropoda
	Fallugia	paradoxa
	Fragaria	vesca
		virginiana
	Geum	alleppicum
		macrophyllum
		triflorum
	Holodiscus	dumosus
	Pentaphylloides	fruticosa
	Physocarpus	monogynus
	Potentilla	arguta subsp. convallaria
		crinita
		gracilis var. pulcherrima
		hippiana
		norvegica
		pennsylvanica
		rivalis
	Prunus	virginiana
	Rosa	woodsii
	Rubus	idaeus
		parviflorus
<b>Rubiaceae</b>	Galium	aparine
		borealis
		fendleri
		triflorum
<b>Rutaceae</b>	Ptelea	trifoliata
<b>Salicaceae</b>	Populus	angustifolia

	Salix	deltoides tremuloides bebbiana exigua gooddingii irrorata lucida? scouleriana
<b>Santalaceae</b>	Comandra	umbellate
<b>Saxifragaceae</b>	Heuchera Saxifraga	parviflora bronchialis
<b>Scrophulariaceae</b>	Besseyia/Synthyris Castilleja	plantaginea integra linearifolia miniata
	Cordylanthus Limonsella Mimulus Orthocarpus	wrightii aquatica glabrata var. glabrata purpureo-albus luteus
	Pedicularis Penstemon	procera/grayi barbatus glaber jamesii secundiflorus virgatus whippleanus
	Verbascum Veronica	thapsus americana anagallis-aquatica peregrina var. xalapensis serpyllifolia
<b>Simaroubaceae</b>	Ailanthus	altissima
<b>Solanaceae</b>	Chamaesaracha Datura Lycium Physalis	coronopus wrightii pallida foetens var. neomexicana hederifolia var. fendleri(cordifolia) virginiana
	Solanum	elaeagnifolium jamesii nigrum rostratum saccharoides triflorum
<b>Tamaricaceae</b>	Tamarix	chinensis
<b>Typhaceae</b>	Typha	latifolia
<b>Ulmaceae</b>	Celtis Ulmus	reticulata pumila

<b>Urticaceae</b>	Urtica	dioica
<b>Valerianaceae</b>	Valeriana	acutiloba edulis var. oleraceae
<b>Verbenaceae</b>	Glandularia Verbena	bipinnatifida/wrightii bracteata hastata maccougalii
<b>Violaceae</b>	Viola	adunca canadensis var. scopulorum pedatifida sororia/nephrophylla
<b>Visaceae</b>	Arceuthobium Phoradendron	douglasii vaginatum juniperinum
<b>Vitaceae</b>	Parthenocissus Vitis	vitacea arizonica
<b>Zygophyllaceae</b>	Tribulus	terrestris