New Mexico Forestry Division 2024 Seedling List

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SPECIES	HEIGHT	GROWTH RATE	COLD HARDINESS	WATER NEEDS	ALKALINITY TOLERANCE	ELEVATION	Size
SHRUB PACKAGE 2	varies	Moderate-Fast	Good	Low	Moderate-High	3000- 7500	Sma
Atriplex canescens, Chrysotha Vinterfat, 14 Four-wing saltbush o each species on the seedling	i, 14 Chamisa	(rubber rabbitbrus	sh), and 7 littleleaf su	mac. For more inf	ormation on the individ	ual species pleas	
SHRUB PACKAGE 3	varied	Moderate-Fast	Good-Excellent	Low	Low	3000-7500	Sma
Atriplex canescens, Kraschen ephedra). For individual species wildlife plantings, reclamation							
AMERICAN SYCAMORE	75-100 feet	Fast	Good-Excellent	High	Low	0- 6000	Sma
Platanus occidentalis It is a wid Oklahoma, and Texas. It has been in plates to leave a smooth, whit foliage and attracts birds and is a 6.5. Pest Problems: None serio	en planted suc ish inner bark. an excellent sh	ccessfully in easte It is cold tolerant nade tree. It is ada	rn NM. It has dark-gi and has intermediate opted to coarse and i	een, maple-shape shade tolerance. nedium textured s	d leaves and the bark of Hardiness zones are 4	on mature trees of through 9. It has	omes autun
APACHE PLUME	4 - 6 feet	Fast	Good-Excellent	Low	Moderate-High	5000-8000	Sma
Fallugia paradoxa This native s with feathery clusters of plume-li ow salinity tolerance. The optim width is between 4 and 6 feet. Po	ke fruit in the f um soil pH is 7	all and winter. Pro 7.0 to 8.0. It is sha	ovides nesting sites a de intolerant. Hardin	and material for bir ess zones are 3 th	ds. It has high calcium rrough 10 below 8000 f	carbonate tolerar eet in elevation.	nce and
ARIZONA ASH	25-50 feet	Moderate	Fair	Moderate	Moderate	3000- 7000	Sma
Fraxinus velutina This native tribesert areas of NM and has moderardiness zones are 7 through 1 pests. Suggested Uses: riparial	derate wildlife l0. The crown n reclamation,	value for birds. Ha width averages 25 windbreaks, eros	is no calcium carbon 5 feet. It grows in soi on control, and wildl	ate tolerance and ls that range from ife plantings.	low salinity tolerance. I 5.8 to 7.5 pH. Pest Pro	t is shade intolera	ant. IS
ARIZONA CYPRESS	40-60 feet	Fast	Fair	Low	Moderate-High	3000- 8000	Sma
Cupressus arizonica This nativestablished. Its shape when you calcium carbonate tolerance and width averages 20 feet. Pest Proconservation plantings, and Chri	ng has sugges I low salinity to oblems: weste	sted to some to be lerance. The opti	used for Christmas mum soil pH is 6.1 to	trees. It is an exce 7.9. It is shade to	ellent choice for windbre lerant. Hardiness zone	eak plantings. Has s are 6 through 9.	s high
ARIZONA SYCAMORE	50 - 80 feet	Fast	Fair	Moderate	Moderate	4500- 6000	Sma
Platanus wrightii This attractive but appears to be less common bleasing fragrance after a rain. T soil pH is 5.8 to 7.5. Hardiness z stabilization, riparian restoration,	today. The bai he crown widt ones are 7 thr	k is shaggy and v h averages 35 fee ough 11 below 60	white/ green. The lea et. It has moderate ca	ves are large and la alcium carbonate t	maple-like in shape. It i olerance and no salinity	s fast growing an y tolerance. The o	d has a
<u>ASPEN</u>	60-80 feet	Fast	Excellent	Moderate-High	High	6500- 10000	Sma
Populus tremuloides A native the mountains where it is plentifuorange/red. It has high calcium care 2 through 8 above 6500 feet and tent caterpillar. Suggested	ul. Elk and dee carbonate toler in elevation. 1	r browse the folia ance and no salin he average crown	ge when within reach lity tolerance. The op n width is 20 to 30 fe	n. Fall colors are frotimum soil pH is 4 et. Pest Problems	om bright yellow to gold .3 to 9.0. It is shade int s: poplar borer, leaf mir	d and sometimes olerant. Hardines	s zone
AUSTRIAN PINE	up to 60 feet	Moderate-Fast	Good	Moderate	Moderate	3500-7500	Sma
Pinus nigra This fast-growing pi excellent choice for a windbreak blerance and high salinity tolera the average width at maturity is vindbreaks, and sound screens.	planting. Man nce. Optimum 25 feet. Pest	y types of birds fir soil pH is 5.5 to 7	nd cover in its branch '.5. It is shade intoler	nes, and some use rant. Hardiness zo	the seed for food. It hance hes are 4 through 8 bel	as high calcium ca ow 7500 feet in e	arbona
BIG SAGEBRUSH	2 to 15 feet	Moderate	Excellent	Low	Moderate	4500- 8500	Sma
Artemisia tridentata This native on many bird species especially sproad range and ease of establishones are 3 through 9 below 850	e evergreen sh sage grouse. I shment. It has	rub is an importar The average width high calcium carb	nt food source for de is 3 to 6 feet. It is ar onate tolerance, mo	er, elk, pronghorn n important species derate salinity tole	antelope, and bighorn s s for reclamation and re rance, and it is shade in	sheep. It is also in evegetation due to ntolerant. Hardine	nporta o its
S S	up to 100				5		

Salix nigra Black willow resembles Goodding's Black willow and the two species are sometimes considered to be varieties of the same species. It occurs along streambanks and in floodplain areas. It has massive trunks that usually lean and are often divided. The crown is broad and open. Birds eat the buds and flowering catkins, and deer eat the twigs and leaves. It is also commonly used as nesting habitat by small bird species. It has low calcium carbonate tolerance and medium salinity tolerance. The optimum soil pH is 4.8 to 8.0. It is shade intolerant. Hardiness zones are 4a through 9a below 6000 feet in elevation. Pest Problems: None serious. Suggested Uses: erosion control of streambanks, wildlife plantings

BLUESTEM WILLOW up to 12 feet Fast Excellent High Low-Moderate 5200-8500 Small Salix irrorata This native shrub is widespread over New Mexico and occurs in thickets along rivers, creeks, and intermittent streams. It has twigs that

are a striking purplish-blue color and white flowers. It has no salinity tolerance. Hardiness zones are 2 through 8 above 5200 feet. Optimum soil pH is

5.5 to 7.5. The width averag	ges 15 feet. Pest Prol	olems: None s	erious. Suggested l	Jses: Riparian rest	oration, streambank s	tabilization and wi	ldlife
BRISTLECONE PINE	up to 40 feet	Slow	Excellent	Low	Moderate	7500- 11500	Small
Pinus aristata This native has been successfully plant branches are covered with calcium carbonate tolerance Problems: white pine blister	ed at elevations as lo dense needles and re e and no salinity tolera	w as 6000 fee semble a foxta ance. The optir	t. Hardiness zones a ill. The pine seeds ar num soil pH is 5.7 to	re 2 through 7b as e a source of food 7.5. It is shade into	long as elevation is at for birds and small ma	least 6000 feet. It Immals. It has me	s dium
BUFFALOBERRY	12 feet SI	ow-Moderate	Good-Excellent	Low-Moderate	High	4500- 7000	Small
Shepherdia argentea This highly important for mule de for jellies and jams. Buffalol intermediate shade tolerand Problems: none serious. S	eer browse and cover perry needs both male e. Optimum soil pH is	for nesting bird e and female p s 5.3-8.0. Hard	ds. It is a good late w lants to produce fruit iness zones 3 throug	inter source of food It has high calciun h 6 below 7000 fee	d for birds. The tart red n carbonate and salini et. The width is 10 to 1	I fruit of this plant ty tolerance. It has	is used
CHOKECHERRY	6-20 feet M	loderate-Fast	Excellent	Moderate-High	Low	5500- 9500	Small
Prunus virginiana A native bear, deer, and other anima is self-pollinating. It has me Hardiness zones are 2 thro slugs, and tent caterpillar. S	ils use it for food. It is dium calcium carbona ugh 7 at elevations be	a species that te and salinity etween 5500 a	minimizes stream battolerance. The optimend 9500 feet. The cro	ank erosion. Its frui ium soil pH is 5.2 to iwn width is betwee	t is widely used in jellie o 8.4. It has intermedia	es and jams. Chok ate shade tolerand	cecherry ce.
CLIFFROSE	3-10 feet	Moderate	Good-Excellent	Low	Low-Moderate	3000-8000	Small
Purshia stansburiana A na Found on rocky, limestone sextremely fragrant, and bloo shade intolerant. Preferred Problems: Suggested Use	soils. Is an important l oms occur from April t pH is 7.0 to 8.5. Hard	orowse specie o June. It has iness zones 4	s for mule deer, elk, a high calcium carbona	and various bird sp te tolerance, is dro	ecies. Flowers are cre ought tolerant, has low	am to yellow in co saline tolerance,	olor,
COYOTE WILLOW	10 feet	Fast	Good	High	High	3500- 7500	Small
Salix exigua This is one of is an important species to ri Cattle will browse it in the s Hardiness zones are 4 throu habitat	parian areas. It is ada ummer and early fall.	pted to sandy It has low salir	soils in stream, river ne tolerance, interme	and shoreline site diate shade intolera	s. It is heavily browsed ance and prefers a pH	d by deer year-rou between 6 and 8	nd. .5.
DESERT MOUNTAIN MAHOGANY	up to 15 feet	Moderate	Good	Low	Moderate-High	5000- 7500	Small
Cercocarpus breviflorus I with hairs hence its other co plume-like tail at the tip. It is has intermediate shade tole problems. Suggested Uses	ommon name - hairy r s found in the souther grance and high heat t	mountain maho n and western olerance. It ca	ogany, and tiny yellow two-thirds of the stat n grow up to fifteen f	v flowers. The fruit e and ranges from	is brown, slender, and eastern Arizona to the	leathery with a w Trans-Pecos of T	hitish exas. It
DESERT WILLOW	25 feet	Fast	Fair-Good	Low	High	3000- 6000	Small
Chilopsis linearis A native This deciduous plant is clas often used for fence posts. are 7 through 11 at elevatio pests. Suggested Uses: w	shrub or small tree fo sified as a phreatoph It has medium calciun ns below 6000 feet. It	yte and is an ir n carbonate to : has intermedi	ndicator that water is lerance and low salin ate shade tolerance.	not too far below thity tolerance. The contract the contract and the contract the contract that the contract the contract that the contract the contract that the contract tha	plerant of poor soils ar ne surface during part optimum soil pH is 6.6	of the year. The w to 10.0. Hardines	ought. /ood is s zones
DOUGLAS-FIR	80+ feet	Moderate	Excellent	High	Moderate	4500- 10000	Small
Pseudotsuga menziesii A the wood products industry tolerance and no salinity tol	and is used extensive	ely as a Christr	nas tree. This specie	s can live for hund	reds of years. It has m	oderate calcium c	arbonate

4500 feet in elevation. The width is between 20 and 30 feet. **Pest Problems:** Douglas-fir tussock moth, spruce budworm, and wooly aphids. Suggested Uses: reforestation (important timber species in western US), wildlife plantings, and Christmas trees.

6-8 feet Moderate Good Small

Chamaebatiaria millefolium This shrub has fragrant fern-like leaves. It produces an array of white flowers in the spring. The plant remains an evergreen in warm climates and becomes deciduous in colder climates. It is also very drought tolerant once established. It has high calcium carbonate tolerance and no salinity tolerance. Optimum soil pH is 7.0 to 8.0. It is shade intolerant. Hardiness zones are 4 through 9 at lower than 7000 feet in

elevation. The width is 5 feet. Pest Problems: no major pests. Suggested Uses: windbreaks, wildlife plantings, and erosion control. FIRECRACKER PENSTEMON up to 3 feet Slow **Excellent** I ow Moderate 3000-11000 Small

Penstemon eatonii Native plant that has bright red flowers that bloom May through August, is adaptable to various soil types. It provides forage for deer, antelope and birds. It has intermediate shade tolerance, has high calcium carbonate tolerance, and no salinity tolerance. Hardiness zones are 4 through 9. It is a pollinator for native bees. Pest Problems: none serious Suggested Uses: erosion control, reclamation, wildlife forage

FOUR-WING SALTBUSH 4-6 feet Fast 3000-8000 Small Atriplex canescens This native shrub grows across a wide variety of soils including saline soils and is highly prized plant by the Navajos as forage for their cattle, sheep, and goats; especially in early spring when other forage is scarce. It is also an excellent wildlife species. It has high calcium carbonate tolerance and high salinity tolerance. Optimum soil pH is 6.5 to 9.5. It is shade intolerant. Hardiness zones are 4 through 9 up to 8000 feet in

elevation. The width is between 4 and 8 feet. Pest Problems: no major pests. Suggested Uses: windbreaks, wildlife plantings, erosion control, and reclamation of severely disturbed sites. FRINGED SAGE Fast Excellent Low Moderate 5500-8000 Small

Artemisia frigida Is native to most counties in New Mexico. It is drought tolerant and browsed by elk, deer, bighorn sheep, and pronghorn. It is also important to small game and nongame animals. It is also as a food plant for butterfly and moth species. It has medium saline tolerance, intermediate

shade telerance and profess a	n∐ of 7.0 to 0.0	Hardinaaa zanaa	ara 2 through 10 at	t alayatiana hatwaan	EE00 and 9000 foot	Post Problems	nono		
shade tolerance, and prefers a known Suggested Uses: soil s	•		are s infough to a	t elevations between	5500 and 6000 leet.	. Pest Problems:	none		
<u>HOPTREE</u>	up to 25 feet S	low-Moderate	Excellent	Low-Moderate	Moderate	4000- 9000	Small		
Ptelea trifoliata This native tree also known as wafer ash reaches up to 25 feet with a crown spread of 10 to 15 feet. The leaves are trifoliate and are four to six inches in length and turn yellow in the fall. Their flowers are inconspicuous greenish-white and have an orange blossom-like perfume. Its fruit attracts bird, squirrels and other mammals. Grows on dry, rocky slopes to valley bottoms. It has medium salinity tolerance, medium calcium carbonate tolerance, and intermediate shade tolerance. The optimum soil pH is 4.8 to 7.0. Hardiness zone is 4 through 9. Pest Problems: none serious Suggested Uses: wildlife habitat, windbreaks									
LACEBARK ELM	50 feet	Fast	Good-Excellent	Low-Moderate	Moderate	4500-8000	Small		
Ulmus parvifolia Lacebark Elm, or true Chinese Elm, should not be confused for the notoriously spreading Siberian Elm. Siberian Elm is often and mistakenly called Chinese Elm. Lacebark Elm is a medium sized tree with a round to oval crown. It is a gentleman as it doesn't spread like the Siberian Elm. It is an excellent drought tolerant species for use in windbreaks. It can grow as much as 3 feet per year. It is adaptable to most soil conditions. It has low calcium carbonate tolerance and no salinity tolerance. The optimum soil pH is 4.8 to 7.0. Hardiness zones are 5 through 9 at elevations between 4500 and 8000 feet. It is shade intolerant. The crown width is between 30 and 40 feet. Pest Problems: none serious. Resistant to elm leaf beetle and Dutch elm disease. Suggested Uses: windbreaks and firewood.									
<u>LIMBER PINE</u>	up to 60 feet	Slow	Excellent	Low	Low	7500- 12000	Small		
Pinus flexilis This native 5-needled pine is very long-lived. It is pyramidal in shape during youth, becoming more flat-topped at maturity. The crown width is between 15 and 30 feet. The pine seeds are an excellent source of food for birds and small mammals. It has medium calcium carbonate tolerance and no salinity tolerance. The optimum soil pH is 5.7 to 6.5. It has intermediate shade tolerance. Hardiness zones are 4 through 7. Pest Problems: bark beetle, twig beetle, dwarf mistletoe and White Pine blister rust. Suggested Uses: windbreaks, Christmas trees, and reforestation.									
LITTLE LEAF SUMAC	8-10 feet	Moderate	Good	Low	Moderate-High	4000-8000	Small		
Rhus microphyllum A native shrub of the desert washes and valleys of New Mexico that has clusters of orange-red berries that provide winter food for many birds and mammals. It is found as far north as Sabinoso in San Miguel County. The leaves turn a beautiful orange red in the fall. Basket weaving was a common use of sumac branches by Native Americans. It has high calcium carbonate tolerance and low salinity tolerance. The optimum soil pH is 7.0 to 8.5. It is shade intolerant. The width is between 6 and 10 feet. Hardiness zones are 7 through 10 at elevations lower than 8000 feet. Pest Problems: no major pests. Suggested Uses: erosion control, windbreaks, and slope stabilization.									
MORMON TEA (GREEN EPHEDRA)	up to 5 feet	Moderate	Excellent	Low	Moderate	3000- 7500	Small		
Ephedra viridis This native evbirds. It is used to restore disturbas high calcium carbonate tole below 7500 feet. The width is b	rbed land due to i erance, high salin	ts ability to reduc	e erosion on both on has intermediate sl	lay and sandy soils. hade tolerance. Hard	Plants are drought to liness zones are 6 th	olerant and cold har orough 9. at elevat	ardy. It		
MOUNTAIN MAHOGANY	15 feet	Moderate	Good-Excellent	Moderate	Moderate	4500-8000	Small		
Cercocarpus montanus Mountain Mahogany is beautiful in late summer and fall, when the white tails of the fruit look like a threaded needle or a narrow delicate feather. It is a native shrub found on the limestone soils of the rolling plains and northern Trans-Pecos on rocky uplands. The leaves and twigs are browsed by elk and deer. It is an excellent species for reclamation of disturbed areas. It has high calcium carbonate tolerance and no salinity tolerance. The optimum soil pH is 6.0 to 8.0. It has intermediate shade tolerance. Hardiness zones are 5 through 10 between 4500 and 8000 feet. The width is between 8 and 15 feet. Pest Problems: no serious pest problems. Suggested Uses: wildlife habitat, and erosion control.									
NARROWLEAF COTTONWOOD	up to 70 feet	Fast	Good-Excellent	Moderate-High	Moderate	5000- 10000	Small		
Populus angustifolia This is a native tree with willow-like leaves, common along streams in the mountains of New Mexico. It represents the principal mountain Cottonwood species. It provides cover for wildlife and is a good browse species. It has high tolerance for calcium carbonate and low tolerance for salinity. The optimum soil pH is 6.0 to 7.5. It is shade intolerant. Hardiness zones are 3 to 8 above 5000 feet. The crown width is between 30 and 40 feet. Pest Problems: Leaf rust, fall webworm, poplar borers Suggested Uses: Windbreaks, Wildlife plantings, erosion control and riparian restoration									
PALMER'S PENSTEMON	up to 5 feet	Moderate	Excellent	Low	Low	2600- 8200	Small		
Pestemon palmeri Native to New Mexico. It is a perennial herb to slightly wood subshrub. Has fleshy leaves and has white to pink flowers that are fragrant. It is found in dry washes, grasslands, pinon-juniper and ponderosa pine communities. It is very drought and heat tolerant. It is shade intolerant, pH tolerance is 6.0 to 7.9, saline intolerant and prefers precipitation between 6 and 14 inches per year. Hardiness zones are 4 through 9 at elevations below 8200 feet. Adapted to coarse and medium textured, well-drained soils. Pest Problems: Suggested Uses: wildlife plantings and erosion control									
PEACHLEAF WILLOW	30 feet +	Fast	Good-Excellent	High	Moderate	4500- 7400	Small		
Salix amygdaloides This native tree is found along rivers and streams in rich alluvial soils. It is readily identified by its gleaming leaves and pendulous branchlets, which gives it a weeping appearance. It is an excellent species for streambank stabilization. It has medium calcium carbonate tolerance and no salinity tolerance. The optimum soil pH is 6.0 to 8.0. It is shade intolerant. Hardiness zones are 2 through 8 at elevations between 4500 and 7400 feet. The width is up to 40 feet. Pest Problems: None serious Suggested Uses: Riparian restoration, streambank stabilization and wildlife plantings.									
PECAN	70 to 100 feet	Moderate	Good	High	Moderate-High	0- 5000	Small		
Carya illnoinensis Ungrafted,	oval crowned ded	ciduous tree, has	a spread of 40 to 7	5 feet. Fruit is an obl	ong nut. The nuts be	e used by deer, wi	ld		

PIÑON up to 40 feet Slow Good-Excellent Low Moderate-High 3500-8500 Small Pinus edulis The New Mexico state tree is an aromatic pine which grows across a wide variety of soils and does well under cultivation. It is popular for

Uses: wildlife habitat, furniture wood

turkeys, various bird species, and various small mammals. It is also used by butterflies. It grows in moist, well-drained soils such as sandy, sandy loam, medium load, clay loam, clay and caliche. These seedlings are not cultivars, so nut quality varies. If you are a commercial grower you will need to find cultivars. Is shade intolerant, has low calcium carbonate tolerance, and has a preferred pH range of 4.5 to 7.5. Is salt intolerant. Grow well in the southern half of New Mexico if soil is kept moist. USDA hardiness zones are 6 to 9, but probably won't produce nuts in the colder zones since it requires consistent warm night temperatures to produce nuts. **Pest Problems:** none major - aphids, borers, tent caterpillars, webworms **Suggested**

the edible nuts it produces. Under most conditions it is self-pollinating. It has high value for upland game and songbirds. It is very drought tolerant, but slow growing. Has low calcium carbonate tolerance and medium salinity tolerance. Hardiness zones are 6 through 8. Optimum soil pH is 6.5 to 8.5. The

crown width is between 20 and 30 feet. **Pest Problems:** Ips bark beetle, piñon needle scale, needle miner, twig beetle, and pitch moth. **Suggested Uses:** windbreaks, reforestation, and Christmas trees.

PLAINS COTTONWOOD

up to 85 feet

Excellent

High Low-Moderate

3500-9000 Si

Small

Populus deltoides ssp. monilifera This cottonwood is native to the eastern plains of New Mexico and is found in moist areas and near stream banks. It is also highly drought tolerant. It is appropriate for planting east of the Pecos River. Rio Grande Cottonwood should be planted west of the Pecos River. The crown spread is 50-60 feet, and the leaves are wide and triangular in shape, 3-6 inches long. They turn golden yellow in the fall. It has medium tolerance for calcium carbonate and no salinity tolerance. Hardiness zones are 3 through 9 at elevations below 9000 feet. The optimum soil pH is 5.0 to 7.0. It is shade intolerant. The crown width is between 30 and 40 feet. **Pest Problems:** None serious. **Suggested Uses:** riparian restoration, stream bank stabilization, and wildlife plantings.

PONDEROSA PINE

up to 80 feet

Moderate

Excellent

Moderate Moderate-High

4500-9000

Small

Pinus ponderosa This is a large, native conifer. It is the primary commercial tree species in New Mexico. It has a pyramidal shape when young and becomes conical with age. Squirrels clip the cones and store them in caches and extract the seeds for winter consumption. The tree grows best on well-drained soils. It has low calcium carbonate tolerance and no salinity tolerance. The optimum soil pH is 5.0 to 9.0. It is shade intolerant. Hardiness zones are 3 through 9 at elevations above 4500 feet. The crown width is between 25 and 30 feet. **Pest Problems:** bark beetle, twig beetle, sawflies and dwarf mistletoe. **Suggested Uses:** windbreaks and reforestation.

ROCKY MOUNTAIN

PENSTEMON

up to 3 feet

Moderate

Excellent

low

Low

6000- 11000

Small

Penstemon strictus Is a native perennial herb with deep blue to purple flowers. It is used for erosion control and forage for deer, antelope and birds. It is shade intolerant, prefers well-drained soils, and blooms May through July. The preferred pH is 6.0-8.0. It has low calcium carbonate tolerance, no salinity tolerance, and has moderate drought tolerance. Hardiness zones are 4 through 9 at elevations 6000 feet and above. **Pest Problems:** None noted. **Suggested Uses:** erosion control, wildlife forage

RUBBER RABBITBRUSH (CHAM

4-6 feet

Fast

Good-Excellent

Low

Low

3000- 7500

Small

Chrysothamnus nauseosus This is a native shrub which grows well on disturbed sites and in alkaline soils. In the fall Chamisa becomes very conspicuous. Its yellow flower clusters brighten up the roadside and other disturbed areas. The foliage and seeds are eaten by browsing animals and rabbits. It has medium calcium carbonate and salinity tolerance. The optimum soil pH is 5.6 to 8.6. It is shade intolerant. Hardiness zones are 3 through 10 at elevations lower than 7500 feet. The width is between 2 and 4 feet. **Pest Problems:** Leaf beetle, no other major pests. **Suggested Uses:** windbreaks, erosion control and reclamation.

SKUNKBUSH SUMAC

4-6 feet

Moderate

Excellent

Low

Moderate-High

4500- 8000

Small

Rhus trilobata Skunkbush sumac is a deciduous, multi-branched and spreading shrub. It occurs along stream banks and forest openings but is most common and abundant on dry, rocky slopes throughout Arizona and New Mexico at elevations from 3500 to 8000 feet. This shrub is very winter hardy and tolerant of drought and high alkali soils. The fruits are red-orange, and the flowers are yellowish and conspicuously in clusters. Besides having brilliant orange-red fall colors it is an important fall and winter food for songbirds and emergency food for game birds. This species is also an important browse species for mule deer. Clusters of small yellow flowers bloom in late May and produce a small red edible fruit. It has low calcium carbonate tolerance and no salinity tolerance. Optimum soil pH is 6.5 to 8.2. It has intermediate shade tolerance. Hardiness zones are 4 through 8 at elevations between 4500 and 8000 feet. The width is between 6 and 8 feet. **Pest Problems:** no serious pests. **Suggested Uses:** windbreaks, wildlife plantings, and erosion control.

SOUTHERN LIVE OAK

50 ft

Moderate

Fair

Moderate

Modorata

. .

Quercus virginiana Southern live oak is native to the southeastern United States from Virginia through Texas. It has been planted for decades in the warmer areas of the southwestern US. The average height and crown width at maturity is at 50 feet. It has intermediate shade tolerance and a pH range of 4.3 to 7.5. Southern live oak can grow in hardiness zones 7-10 and is cold hardy to 5-10 degrees Fahrenheit. It is relatively drought tolerant, but it does require watering. Although it appears to be evergreen, it is deciduous, it drops its old leaves just as new ones emerge. It grows in dry to moist soils, whether gravelly, sandy, loamy or clay, but does best in neutral or slightly acidic clay loams, poor drainage okay. It is saline tolerant and tolerant of compaction. Pest Problems: oak wilt Suggested Uses: wildlife food -acorns, attracts butterflies and birds

SUPERB PENSTEMON

2 feet

Moderate

Good-Excellent

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Moderat

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Small

Penstemon superbus Native to extreme southwestern New Mexico and southern Arizona. Grows in sandy or gravelly soils in canyons and washes. Has coral-colored blooms in April and May. Is a pollinator for native bees. Hardy in USDA hardiness zones 6-9. **Pest Problems:** none known **Suggested Uses:** pollinator for native bees

TEXAS RED OAK

up to 50 feet

Moderate

Good

Low

Moderate

0- 7000

Small

Quercus buckleyi It is a small to medium tree with spreading branches. It can grow up to 50 feet in height and has a spread of between 30 to 50 feet. Is native to Kansas, Oklahoma, and Texas. The leaves are shiny green and turn red and orange in the fall. Wildlife use the acorns for food. It is shade intolerant, drought tolerant, grows in clay, loam or sandy soils. It has high heat tolerance and is tolerant of alkaline soils such as limestone. USDA Hardiness Zones 6-11. **Pest Problems:** None major **Suggested Uses:** wildlife habitat

TORREY'S WOLFBERRY

up to 10 feet

Moderate

Good-Excellent

Low

Moderate-Hig

3500- 5500 S

Lycium torreyi Native shrub that is found in the major river drainages at lower elevations. It has dark reddish-brown stems with thorns and flowers are light purple. It has bright red berries. It can grow in sandy soils, is tolerant of saline soils and has high calcium carbonate tolerance. Cold hardy to hardiness zone 7. It is a source of food for small birds and mammals. **Pest Problems:** none serious **Suggested Uses:** wildlife habitat and browse, erosion control

TURPENTINE BUSH

1-3 feet

Moderate-Fast

Good-Excellent

Low

Moderate

3000- 6500 Small

Ericameria laricifolia Is a native New Mexico shrub that is 1-3 feet tall and wide with small golden-yellow flowers and dense narrow leaves. It prefers full sun to part shade, is cold and heat tolerant and grows in dry, well-drained granitic, sand, clay loam or limestone soils. Hardiness zones are 7 through 10 at lower than 6500 feet elevation. It flowers in late summer and fall. **Pest Problems:** None serious **Suggested Uses:** wildlife browse, attracts butterflies and birds

WINTERFAT

3–4 feet

Fast

Good-Excellent

Low

Moderate-High

3000-8000

Small

Ceratoides lanata Winterfat is a hardy, native half-shrub with a wide range throughout New Mexico. It grows on dry, well-drained soils, 3000 - 8000 feet in elevation, and can tolerate saline or alkaline soils. It is superior winter forage for livestock and used extensively by wildlife. The seed heads in the fall give the plant a pleasing silvery appearance. The long white fuzzy plumes give it another name: "Lambs Tail". It has high calcium carbonate and salinity tolerance. The optimum soil pH is 6.6 to 8.5. It is shade intolerant. Hardiness zones are 3 through 8 at elevations lower than 8000 feet. The average width is 3 feet. **Pest Problems:** no major pests. **Suggested Uses:** erosion control, range improvement, and wildlife plantings.