

APPENDIX 1: NATIVE SPECIES SUITABLE FOR REVEGETATION OF RUSSIAN OLIVE REMOVAL AREAS

Scientific Name Common Name	Region*	Size	Wind**	Notes
TREES				
<i>Acer glabrum</i> Rocky Mountain Maple	1, 3–5	Up to 25'		Somewhat drought tolerant
<i>Acer grandidentatum</i> Bigtooth Maple	1, 3, 4	Up to 35'		Moderately drought tolerant
<i>Betula occidentalis</i> Water Birch	1, 4, 5	Up to 35'		Not drought tolerant
<i>Celtis reticulata</i> Netleaf Hackberry	2–4	Up to 15'	×	Very drought tolerant
<i>Crataegus douglasii</i> Douglas Hawthorn	3–5	Up to 25'	×	Moderately drought tolerant
<i>Juniperus osteosperma</i> Utah Juniper	2–5	Up to 20'	×	Very drought-tolerant, evergreen
<i>Juniperus scopulorum</i> Rocky Mountain Juniper	2–5	Up to 40'	×	Very drought-tolerant, evergreen
<i>Pinus aristata</i> Bristlecone Pine	3–5	Up to 40'		Moderately drought tolerant, slow growing
<i>Pinus monophylla</i> <i>Pinus edulis</i> Pinyon Pine	2–5	Up to 25'	×	Very drought tolerant. Single-leaf pinyon best for Idaho.
<i>Populus angustifolia</i> Narrowleaf Cottonwood	1, 4, 5	Up to 60'		Not drought tolerant
<i>Populus deltoides</i> Eastern Cottonwood Plains Cottonwood	1, 4, 5	Up to 100'		Not drought tolerant. Prefers moist soils but tolerates dry soils.
<i>Populus fremontii</i> Frémont's Cottonwood	1, 4, 5	Up to 60'		Not drought tolerant
<i>Prunus Americana</i> American Wild Plum	3–5	Up to 15'	×	Moderately drought tolerant
<i>Prunus virginiana</i> cv. 'Schubert' 'Schubert' Chokecherry	2–5	Up to 30'	×	Somewhat drought tolerant, tolerates shade, suckers badly
<i>Quercus gambelii</i> Gambel Oak	3–5	Up to 25'	×	Moderately drought tolerant

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<i>Sorbus scopulina</i> Rocky Mountain Ash	3–5	Up to 15'		Moderately drought tolerant
SHRUBS				
<i>Amelanchier alnifolia</i> <i>Amelanchier utahensis</i> Serviceberry	1, 3–5	Up to 20'	×	12–30 inches of precipitation. Variety of well-drained soils.
<i>Artemisia tridentata</i> Big Sagebrush	2–4	Up to 20'	×	8–30 inches of precipitation. Prefers well- drained, neutral to mildly alkaline soils.
<i>Atriplex canescens</i> Fourwing Saltbush	2, 3	Up to 6'	×	Extremely drought tolerant. Tolerates salty soils and heat.
<i>Chamaebatiaria millefolium</i> Desert Fernbush	2, 3	Up to 4'	×	Extremely drought tolerant
<i>Cornus sericea</i> Red Twig Dogwood	1, 4, 5	Up to 10'		18+ inches of precipitation. Prefers moist, organic soils.
<i>Ericameria nauseosa</i> Rubber Rabbitbrush	2–4	Up to 8'	×	6+ inches of precipitation. Prefers coarse soils.
<i>Falugia paradoxa</i> Apache Plume	2–4	Up to 6'		Very drought tolerant
<i>Juniper</i> spp. Various juniper shrubs	2–5	Varies	×	Extremely drought tolerant, full sun to partial shade.
<i>Penstemon fruticosus</i> Shrubby Penstemon	2–5	Up to 2'	×	8–18 inches of precipitation. Rocky, well- drained soils.
<i>Philadelphus lewisii</i> <i>Philadelphus microphyllus</i> Syringa	1, 3–5	Up to 15'		Moderately drought tolerant
<i>Physocarpus malvaceus</i> Ninebark	1, 3–5	Up to 5'		Moderately drought tolerant
<i>Potentilla fruticosa</i> Shrubby Cinquefoil	1, 3–5	Up to 5'		Moderately drought tolerant
<i>Prunus virginiana</i> Chokecherry	1, 4, 5	Up to 20'		Not drought tolerant. Good food source for neotropical birds.
<i>Rhus trilobata</i> Oakleaf Sumac	2–4	Up to 6'	×	Extremely drought tolerant
<i>Ribes aureum</i> Golden Currant	1, 3–5	Up to 5'		Moderately drought tolerant
<i>Rosa woodsii</i> Woods' Rose	1, 3–5	Up to 5'		Moderately drought tolerant
<i>Salix</i> spp. Various Dwarf Willows	1, 4, 5	Varies		Not drought tolerant, includes several species

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FORBS				
<i>Achillea millefolium</i> Yarrow	1, 3–5	12"–24"		Very drought tolerant—8–20+ inches of precipitation. Grows in a variety of soils.
<i>Artemisia ludoviciana</i> Prairie Sage	2–5	To 40"		Prefers sandy soils. Quick to establish.
<i>Balsamorhiza sagittata</i> Arrowleaf Balsamroot	2–5	To 30"		Does well on southern exposures; needs 8–25 inches of precipitation and fine to medium-textured soils.
<i>Erigeron umbellatus</i> Sulpherflower Buckwheat	3–5	To 12"		Very drought and cold tolerant. High tolerance for salinity.
<i>Gaillardia aristata</i> Blanketflower	1–5	18"–24"		Drought tolerant, grows best with 16–30 inches of precipitation. Prefers coarse-textures, well-drained soils.
<i>Geranium viscosissimum</i> Sticky Purple Geranium	1, 3–5	To 24"		10–20+ inches of precipitation and grows in a variety of soils.
<i>Ipomopsis aggregata</i> Scarlet Gilia	1–5	To 42"		8–20 of precipitation. Prefers well-drained, sandy soils.
<i>Linum lewisii</i> Blue Flax	1–5	To 30"		10–24 Inches of precipitation. Very drought and cold tolerant. Moderate soils.
<i>Symphyotrichum spathulatum</i> Western Mountain Aster	1, 4, 5	To 30"		10–20 inches of precipitation. Deep soils.
<i>Thermopsis montana</i> Mountain Golden Pea	1, 3–5	To 36"		10–16 inches of precipitation and in a variety of soils.
GRASSES				
<i>Achnatherum hymenoides</i> Indian Ricegrass	2–4	To 24"	×	7–20 inches of precipitation. Needs sandy, well-drained soils and is very wind tolerant.
<i>Elymus elymoides</i> Squirreltail	2–4	To 20"	×	6–18 inches of precipitation. Tolerates moderate salinity. Variety of well-drained soils. Very wind tolerant.
<i>Elymus trachycaulus</i> Slender Wheatgrass	1–5	To 30"		8–25 inches of precipitation. Establishes rapidly.
<i>Festuca idahoensis</i> Idaho Fescue	1–5	To 36"	×	6–30+ inches of precipitation, best above 14". Variety of soils. Excellent soil stabilizer.
<i>Pascopyrum smithii</i> Western Wheatgrass	3–5	To 36"		10+ inches of precipitation. Prefers fine to very fine soils.
<i>Poa secunda</i> Sandberg Bluegrass	2–5	To 12"		8–20 inches of precipitation. Prefers sandy to silty loam soils.
<i>Pseudoroegneria spicata</i> Bluebunch Wheatgrass	1–5	To 48"	×	6–35 inches of precipitation. Prefers well-drained soils and a variety of soil textures.