

Pre-Variety Germplasm Seed Standards, all generations.

(Revised January 5, 2023; subject to continuing change.)

Scientific name ⁱ	Common name ⁱⁱ	Purity sample weight (grams) ⁱⁱⁱ	Pure seed, min%	Other crop seed, max%	Inert, max%	Weed seed, max%	Restricted weed seed ^{iv} , max combined
Grass species							
<i>Achnatherum lemmoni</i>	Lemmons needlegrass	12.0	90	0.15	10	0.15	one found
<i>Achnatherum occidentale</i>	western needlegrass	3.0	95	0.10	5	0.15	one found
<i>Achnatherum thurberianum</i>	Thurber needlegrass	8.0	95	0.10	5	0.15	one found
<i>Agrostis exarata</i>	spike bentgrass	0.25	85	0.25	15	0.25	one found
<i>Alopecurus geniculatus</i>	water foxtail	0.8	85	0.10	15	0.20	one found
<i>Beckmannia syzigachne</i>	American sloughgrass	1.0	85	0.25	15	0.25	one found
<i>Bromus carinatus</i> or <i>B. marginatus</i>	California brome or mountain brome	20.0	90	0.25	10	0.25	one found
<i>Bromus laevipes</i>	Chinook or woodland brome	13.0	90	0.25	10	0.15	one found
<i>Bromus sitchensis</i>	Alaska or Sitka brome	20.0	90	0.20	10	0.15	one found
<i>Bromus vulgaris</i>	Columbia brome	7.0	90	0.20	10	0.15	one found
<i>Calamagrostis rubescens</i>	pinegrass	0.5	75	0.10	25	0.20	one found
<i>Danthonia californica</i>	California oatgrass	8.0	80	0.15	20	0.15	one found
<i>Danthonia spicata</i>	poverty oatgrass	3.0	80	0.10	20	0.10	one found
<i>Deschampsia cespitosa</i>	tufted hairgrass	1.0	80	0.20	20	0.20	one found
<i>Deschampsia danthoniodes</i>	annual hairgrass	1.0	80	0.10	20	0.20	one found
<i>Deschampsia elongata</i>	slender hairgrass	1.0	80	0.10	20	0.20	one found
<i>Deschampsia flexuosa</i>	coastal hairgrass	1.0	80	0.10	20	0.20	one found
<i>Elymus albicans</i>	Montana wheatgrass	8.0	75	0.10	25	0.20	one found
<i>Elymus elymoides</i>	bottlebrush squirreltail	9.0	85	0.30	15	0.30	one found
<i>Elymus glaucus</i>	blue wildrye	8.0	85	0.30	15	0.30	one found
<i>Elymus trachycaulus</i>	slender wheatgrass	7.0	75	0.15	25	0.15	one found
<i>Festuca ammobia</i>	sand fescue	3.0	85	0.10	15	0.20	one found
<i>Festuca californica</i>	California fescue	8.0	85	0.20	15	0.30	one found
<i>Festuca idahoensis</i> ^v	Idaho fescue	3.0	85	0.10	15	0.20	one found
<i>Festuca paradoxa</i>	cluster fescue	3.0	85	0.10	15	0.10	one found
<i>Festuca roemerii</i> ^v	Roemer's fescue	3.0	85	0.10	15	0.20	one found
<i>Glyceria elata</i>	tall mannagrass	1.0	85	0.10	15	0.25	one found
<i>Hordeum brachyantherum</i>	meadow barley	9.0	85	0.30	15	0.30	one found
<i>Leymus cinereus</i>	Great Basin wildrye	8.0	85	0.20	15	0.30	one found
<i>Melica harfordii</i>	Harfords oniongrass	7.2	90	0.15	10	0.15	one found
<i>Poa secunda</i>	pine bluegrass	1.2	85	0.15	15	0.20	one found
<i>Poa secunda</i> subsp. <i>sandbergii</i>	Sandberg bluegrass	1.2	85	0.15	15	0.20	one found
<i>Pseudoroegneria spicata</i>	bluebunch wheatgrass	8.0	75	0.10	25	0.20	one found
<i>Torreyochloa pallida</i> var. <i>pauciflora</i>	weak false-mannagrass	0.9	85	0.10	15	0.25	one found

Graminoid, grass-like species (sedges and rushes)

<i>Carex densa</i>	dense sedge	2.5	60	0.10	40	0.20	one found
<i>Carex unilateralis</i>	one-sided sedge	1.1	60	0.10	40	0.20	one found
<i>Juncus tenuis</i>	poverty rush	0.2	70	0.10	30	0.20	one found

Scientific name	Common name	Purity sample weight (grams) ⁱⁱⁱ	Pure seed, min%	Other crop seed, max%	Inert, max%	Weed seed, max%	Restricted weed seed, ^{iv} max combined
Forb/herb, subshrub species							
<i>Achillea millefolium</i>	common yarrow	0.4	60	0.10	40	0.20	one found
<i>Achillea millefolium</i> var. <i>occidentalis</i>	western yarrow	0.4	60	0.10	40	0.20	one found
<i>Agastache urticifolia</i>	nettleleaf giant hyssop	2.0	90	0.10	10	0.15	one found
<i>Agoseris grandiflora</i>	bigflower agoseris	3.25	90	0.10	10	0.15	one found
<i>Anaphalis margaritacea</i>	western pearly everlasting	0.25	60	0.10	40	0.20	one found
<i>Astragalus filipes</i>	basalt milkvetch	10.75	90	0.10	10	0.10	one found
<i>Bassia prostrata</i>	forage kochia	2.0	85	0.20	15	0.20	one found
<i>Camassia quamash</i>	common or small camas	20.0	90	0.10	10	0.20	one found
<i>Chaenactis douglasii</i>	Douglas' dustymaiden	2.7	80	0.15	20	0.15	one found
<i>Clarkia purpurea</i>	winecup clarkia	1.0	90	0.10	10	0.15	one found
<i>Collinsia grandiflora</i>	giant blue eyed Mary	4.5	90	0.10	10	0.10	one found
<i>Collomia grandiflora</i>	grand collomia	7.5	90	0.10	10	0.10	one found
<i>Epilobium densiflorum</i>	denseflower boisduvalia or denseflower willowherb or densespike primrose	1.0	90	0.25	10	0.30	one found
<i>Erigeron pumilus</i>	shaggy fleabane	0.36	80	0.15	20	0.10	one found
<i>Eriogonum umbellatum</i>	sulfur or sulphur-flower buckwheat	7.0	90	0.10	10	0.15	one found
<i>Eriophyllum lanatum</i>	Oregon sunshine or common woolly sunflower	1.5	60	0.15	40	0.10	one found
<i>Gaillardia aristata</i>	blanketflower	7.0	75	0.10	25	0.20	one found
<i>Gilia capitata</i>	globe gilia or bluehead gilia	1.0	90	0.10	10	0.10	one found
<i>Grindelia nana</i>	Idaho gumweed or gum plant	5.5	90	0.10	10	0.20	one found
<i>Grindelia integrifolia</i>	Puget Sound gumweed or Willamette Valley gumweed	9.0	90	0.10	10	0.20	one found
<i>Iris tenax</i>	Oregon or toughleaf iris	220.0	95	0.10	5	0.10	one found
<i>Linum lewisii</i>	Lewis flax	6.0	90	0.10 ^{vi}	10	0.20	one found
<i>Lomatium nudicaule</i>	barestem biscuitroot	33.9	80	0.10	20	0.20	one found
<i>Lotus unifoliolatus</i>	American bird's-foot trefoil	12.3	90	0.10 ^{vii}	10	0.10	one found
<i>Lupinus polycarpus</i>	smallflower lupine	21.0	90	0.25	10	0.25	one found
<i>Lupinus polyphyllus</i>	bigleaf lupine	50.0	90	0.10	10	0.20	one found
<i>Lupinus rivularis</i>	riverbank lupine	20.0	90	0.25	10	0.25	one found
<i>Machaeranthera canescens</i>	hoary tansyaster	3.2	80	0.15	20	0.15	one found
<i>Madia elegans</i>	showy tarweed or common madia	6.2	90	0.10	10	0.15	one found
<i>Madia elegans</i> ssp. <i>vernalis</i>	spring madia	6.2	90	0.10	10	0.15	one found
<i>Nothocalais troximoides</i>	sagebrush false dandelion	6.0	85	0.15	15	0.15	one found
<i>Penstemon speciosus</i>	royal penstemon	2.54	85	0.15	15	0.15	one found
<i>Penstemon eatonii</i>	firecracker penstemon	3.5	85	0.15	15	0.15	one found
<i>Potentilla gracilis</i>	slender cinquefoil	0.8	70	0.10	30	0.20	one found
<i>Prunella vulgaris</i>	selfheal, common selfheal	2.5	90	0.20	10	0.25	one found
<i>Ranunculus occidentalis</i>	western buttercup	4.5	85	0.10	15	0.10	one found
<i>Ranunculus orthorhynchus</i>	straightbeak buttercup	6.5	85	0.10	15	0.25	one found
<i>Ratibida columnifera</i>	upright prairie coneflower	2.0	90	0.10	10	0.20	one found
<i>Rupertia physodes</i>	forest scurpea or California tea	53.9	90	0.10	10	0.20	one found
<i>Sidalcea campestris</i>	meadow checkermallow or meadow checkerbloom	12.5	85	0.25	15	0.25	one found
<i>Sidalcea malviflora</i> var. <i>virgata</i> or <i>S. malviflora</i> ssp. <i>virgata</i>	rose checkermallow or dwarf checkerbloom	15.0	85	0.25	15	0.25	one found
<i>Sphaeralcea grossulariifolia</i>	gooseberryleaf globemallow	4.61	85	0.15	15	0.15	one found
<i>Sphaeralcea munroana</i>	Munro's globemallow	3.37	85	0.15	15	0.15	one found
<i>Symphotrichum hallii</i>	Hall's aster	0.9	60	0.15	40	0.30	one found
<i>Thermopsis rhombifolia</i> var. <i>montana</i>	prairie thermopsis or golden pea	31.0	90	0.10	10	0.10	one found

Scientific name	Common name	Purity sample weight (grams) ⁱⁱⁱ	Pure seed, min%	Other crop seed, max%	Inert, max%	Weed seed, max%	Restricted weed seed, ^{iv} max combined
Shrub and tree species							
<i>Alnus viridis</i> spp. <i>sinuata</i>	Sitka alder	0.6	60	0.10	40	0.10	one found
<i>Atriplex canescens</i>	fourwing saltbush	19.0	60	0.30	40	0.35	one found
<i>Holodiscus discolor</i>	oceanspray	0.3	40	0.10	60	0.20	one found

ⁱ For a formally released/published germplasm, the scientific name given in the release document is that used to enter the germplasm into the OSCS Pre-Variety Germplasm seed certification program. For those germplasms not formally released, the germplasm originator/developer designates the scientific name on the OSCS PVG Germplasm Information form; the submitted taxonomy may lead to further review with the applicant and approval by OSCS staff. Generally, the OSCS PVG program has followed the taxonomy given by the USDA NRCS Plants database, the USDA, ARS, National Plant Germplasm System (GRIN-Global), and/or published floras as “Flora of the Pacific Northwest”, “Flora of North America”, and several other regional and local floras.

When a germplasm is brought into the Oregon program that has been previously officially tagged by another AOSCA Seed Certifying Agency, then the taxonomy given on the tag will be used. Once brought into the OSCS PVG program and tagged by OSCS, then the scientific name accepted for a germplasm will be permanent for that germplasm.

ⁱⁱ For a formally released/published germplasm, the common name given in the release document is that used to enter the germplasm into the OSCS Pre-Variety Germplasm seed certification program. For those germplasms not formally released, the germplasm originator/developer designates the common name on the OSCS PVG Germplasm Information form; the submitted recommendation may lead to further review with the applicant and approval by OSCS staff. Generally, the OSCS PVG program has followed the taxonomy given by the USDA NRCS Plants database, the USDA, ARS, National Plant Germplasm System (GRIN-Global), and/or published floras as “Flora of the Pacific Northwest”, “Flora of North America”, and several other regional and local floras. There is no “clearing house” for common names, and they may differ locally and published floras may note multiple common names for a taxon. OSCS tries to accommodate these differences in order to support communications within the local seed industry and local purchasers of seed. When a germplasm is brought into the Oregon program that has been previously officially tagged by another AOSCA Seed Certifying Agency, then the common name given on the tag will be used. Once brought into the OSCS PVG program and tagged by OSCS, then the common name accepted for a germplasm will be permanent for that germplasm.

ⁱⁱⁱ For native species, seed weights can vary considerably among samples, and the actual working weights are determined for each sample submitted for testing. The working weights listed in this table are based on very few samples, and therefore can be considered only as an approximation. Seed testing of all PVG species, including tree and shrub species, will include both a purity working sample and a noxious working sample.

^{iv} None of the Prohibited Weed Seeds listed in Section V of the OSCS Handbook, nor St. Johnswort is allowed. The Restricted Weed Seed tolerance allows one seed to be found in the Noxious weed seed exam working sample [ref. 1 lb.=453.6 grams], for the following group of species (no more than one found from the combined group): corn bedstraw, buckhorn plantain, docks, sheep sorrel, downy brome (cheatgrass), ventenata (grass). In no crop, may corn bedstraw exceed 45 per pound, per Restricted Noxious Weed Seed Tolerances [OAR 603-056-0205].

^v For the purposes of seed testing and the use of the ammonia test (see OSCS Certification Handbook, Section IX Definitions, D3 Ammonia Test), Idaho fescue and Roemer’s fescue are included in the *Festuca ovina* aggregate; accordingly, these species will be examined with the ammonia test for incidental seeds of chewings and red fescue; the following tolerances apply: generations G0 and G1, zero yellow; G2, one yellow; G3, G4, etc., 1% yellow.

^{vi} No sweet clover permitted.

^{vii} No sweet clover permitted.