

Table 1 Pre-variety Germplasm Seed Standards: Generations G1, G2, etc. (Revised Jan 10, 2017; subject to continuing change)

Genus and Species	Common Name	Purity Sample wt (gms)	Pure Seed, (min%)	Other Crop, (max%)	Inert, (max%)	Common Weed Seed, (max %)	Noxious Sample wt.(gms)	Restricted Weed Seeds (singly or combined) ¹
<i>Achillea millefolium</i>	Yarrow, Common, Western	0.4	60	0.10	40	0.20	4.0	114/lb
<i>Achnatherum lemmonii</i>	Lemmons needlegrass	12.0	90	0.15	10	0.15	120.0	4/lb
<i>Achnatherum occidentale</i>	Western needlegrass	3.0	95	0.10	5	0.15	30.0	16/lb
<i>Achnatherum thurberianum</i>	Thurber needlegrass	8.0	95	0.10	5	0.15	80.0	6/lb
<i>Agastache urticifolia</i>	Nettleleaf giant hyssop	2.0	90	0.10	10	0.15	20.0	23/lb
<i>Agoseris grandiflora</i>	Bigflower agoseris	3.25	90	0.10	10	0.15	32.5	14/lb
<i>Agrostis exarata</i>	Spike bentgrass	0.25	85	0.25	15	0.25	2.5	182/lb
<i>Alnus viridis ssp sinuate</i>	Sitka alder	0.6	60	0.10	40	0.10	6.0	76/lb
<i>Alopecurus geniculatus</i>	Water foxtail	0.8	85	0.10	15	0.20	8.0	57/lb
<i>Anaphalis margaritacea</i>	Pearly everlasting	0.25	60	0.10	40	0.20	2.5	182/lb
<i>Atriplex canescens</i>	Four-wing saltbush	19.0	60	0.50	40	0.50	190.0	3/lb
<i>Bassia prostrata</i>	Forage kochia	2.0	85	0.20	15	0.20	20.0	23/lb
<i>Beckmannia syzigachne</i>	American sloughgrass	1.0	85	0.60	15	0.30	10.0	46/lb
<i>Bromus carinatus</i>	California brome	20.0	85	0.50	15	0.30	200.0	3/lb
<i>Bromus carinatus</i>	Mountain brome	20.0	85	0.50	15	0.30	200.0	3/lb
<i>Bromus laevipes</i>	Chinook or Woodland brome	13.0	85	0.50	15	0.15	130.0	4/lb
<i>Bromus marginatus</i>	Mountain brome	20.0	85	0.50	15	0.30	200.0	3/lb
<i>Bromus sitchensis</i>	Alaska or Sitka brome	20.0	85	0.50	15	0.30	200.0	3/lb
<i>Bromus vulgaris</i>	Columbia brome	7.0	85	0.20	15	0.15	70.0	7/lb
<i>Calamagrostis rubescens</i>	Pinegrass	0.5	75	0.10	25	0.20	5.0	91/lb
<i>Camassia quamash</i>	Common camas	20.0	90	0.10	10	0.20	200.0	3/lb
<i>Carex densa</i>	Dense sedge	2.5	60	0.10	40	0.20	25.0	19/lb
<i>Carex unilateralis</i>	One-sided sedge	1.1	60	0.10	40	0.20	11.0	42/lb
<i>Clarkia purpurea</i>	Winecup clarkia	1.0	90	0.10	10	0.15	10.0	46/lb
<i>Collinsia grandiflora</i>	Giant blue-eyed Mary	4.5	90	0.10	10	0.10	45.2	10/lb
<i>Collomia grandiflora</i>	Grand collomia	7.5	90	0.10	10	0.10	75.0	7/lb
<i>Danthonia californica</i>	California oatgrass	8.0	80	0.15	20	0.15	80.0	6/lb
<i>Danthonia spicata</i>	Poverty oatgrass	3.0	80	0.10	20	0.10	30.0	16/lb
<i>Deschampsia cespitosa</i>	Tufted hairgrass	1.0	80	0.25	20	0.40	10.0	46/lb
<i>Deschampsia danthonioides</i>	Annual hairgrass	1.0	80	0.10	20	0.20	10.0	46/lb
<i>Deschampsia elongata</i>	Slender hairgrass	1.0	80	0.10	20	0.20	10.0	46/lb
<i>Deschampsia flexuosa</i>	Coastal hairgrass	1.0	80	0.10	20	0.20	10.0	46/lb
<i>Elymus albicans</i>	Montana wheatgrass	8.0	75	0.10	25	0.20	80.0	6/lb
<i>Elymus elymoides</i>	Bottlebrush squirreltail	9.0	85	0.50	15	0.30	90.0	6/lb
<i>Elymus glaucus</i>	Blue wildrye	8.0	85	0.50	15	0.50	80.0	6/lb
<i>Elymus trachycaulus</i>	Slender wheatgrass	7.0	75	0.15	25	0.15	70.0	7/lb
<i>Epilobium densiflorum</i>	Dense-flowered boisduvalia or Dense spike primrose	1.0	90	0.25	10	0.30	10.0	46/lb
<i>Eriogonum umbellatum</i>	Sulfur or Sulfur-flower buckwheat	7.0	90	0.10	10	0.15	70.0	7/lb

<i>Eriophyllum lanatum</i>	Oregon sunshine, Woolly sunflower	1.5	60	0.15	40	0.10	15.0	31/lb
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<i>Festuca ammobia</i>	Sand fescue	3.0	85	0.10	15	0.20	30.0	16/lb
<i>Festuca californica</i>	California fescue	8.0	85	0.20	15	0.30	80.0	6/lb
<i>Festuca idahoensis</i> ³	Idaho fescue	3.0	85	0.25	15	0.30	30.0	16/lb
<i>Festuca paradoxa</i>	Cluster fescue	3.0	85	0.10	15	0.10	30.0	16/lb
<i>Festuca roemerii</i> ²	Roemer's fescue	3.0	85	0.10	15	0.20	30.0	16/lb
<i>Gaillardia aristitata</i>	Blanket flower	7.0	75	0.10	25	0.20	70.0	7/lb
<i>Gilia capitata</i>	Globe gilia	1.0	90	0.10	10	0.10	10.0	46/lb
<i>Glyceria elata</i>	Tall mannagrass	1.0	85	0.10	15	0.25	10.0	46/lb
<i>Grindelia nana</i>	Gum plant or Idaho gumweed	5.5	90	0.10	10	0.20	55.0	9/lb
<i>Grindelia integrifolia</i>	Puget Sound or Willamette Valley gumweed	9.0	90	0.10	10	0.20	90.0	6/lb
<i>Holodiscus discolor</i>	Oceanspray	0.3	40	0.10	60	0.20	3.0	152/lb
<i>Hordeum brachyantherum</i>	Meadow barley	9.0	85	0.50	15	0.50	90.0	6/lb
<i>Iris tenax</i>	Oregon iris	220.0	95	0.10	5	0.10	500.0	1/lb
<i>Juncus tenuis</i>	Poverty rush	0.2	70	0.10	30	0.20	2.0	227/lb
<i>Leymus cinereus</i>	Great Basin wildrye	8.0	85	0.20	15	0.30	80.0	6/lb
<i>Linum lewisii</i>	Lewis flax	6.0	90	0.10	10	0.20	60.0	8/lb
				Sweet clover - none				
<i>Lomatium nudicaule</i>	Barestem biscuitroot	33.9	80	0.10	20	0.20	339.0	2/lb
<i>Lotus unifoliolatus, L. purshiana or purshianus</i>	Spanish clover, American birds-foot trefoil, or Prairie trefoil	12.3	90	0.10	10	0.10	123.0	4/lb
				Sweet clover - none				
<i>Lupinus polycarpus</i>	Small-flowered lupine	21.0	90	0.25	10	0.25	210.0	3/lb
<i>Lupinus polyphyllus</i>	Bigleaf lupine	50.0	90	0.10	10	0.20	500.0	1/lb
<i>Lupinus rivularis</i>	Riverbank lupine	20.0	90	0.25	10	0.25	200.0	3/lb
<i>Madia elegans</i>	Showy tarweed	6.2	90	0.10	10	0.15	62.0	8/lb
<i>Madia elegans subsp. vernalis</i>	Spring madia	6.2	90	0.10	10	0.15	62.0	8/lb
<i>Melica harfordii</i>	Harfords oniongrass	7.2	90	0.15	10	0.15	72.0	7/lb
<i>Poa secunda</i>	Pine bluegrass	1.2	60	0.25	40	0.30	12.0	38/lb
<i>Poa secunda ssp. sandbergii</i>	Sandberg bluegrass	1.2	60	0.25	40	0.30	12.0	38/lb
<i>Potentilla gracilis</i>	Slender cinquefoil	0.8	70	0.10	30	0.20	8.0	57/lb
<i>Prunella vulgaris</i>	Selfheal	2.5	90	0.20	10	0.25	25.0	19/lb
<i>Pseudoroegneria spicata</i>	Bluebunch wheatgrass	8.0	75	0.10	25	0.20	80.0	6/lb
<i>Ranunculus occidentalis</i>	Western buttercup	4.5	85	0.10	15	0.10	45.0	11/lb
<i>Ranunculus orthorhynchus</i>	Straightbeak buttercup	6.5	85	0.10	15	0.25	65.0	7/lb

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<i>Ratibida columnifera</i>	Prairie coneflower	2.0	90	0.10	10	0.20	20.0	23/lb
<i>Rupertia physodes</i>	California tea or Forest scurfpea	53.9	90	0.10	10	0.20	539.0	1/lb
<i>Sidalcea campestris</i>	Meadow checkermallow	12.5	85	0.25	15	0.25	125.0	4/lb
<i>Sidalcea malviflora var. virgata</i>	Rose checkermallow	15.0	85	0.25	15	0.25	150.0	4/lb
<i>Symphyotrichum hallii</i>	Halls aster	0.9	60	0.15	40	0.30	9.0	51/lb
<i>Thermopsis rhombifolia var. montana</i>	Golden pea	31.0	90	0.10	10	0.10	310.0	2/lb
<i>Torreyochloa pallida var. pauciflora</i>	Weak false-mannagrass	0.9	85	0.10	15	0.25	9.0	51/lb

¹ None of the Prohibited Weed Seeds listed in Section V in the OCS Handbook, nor St Johnswort is allowed.

Restricted weed seed tolerances as indicated for each crop, allows one seed to be found in the Noxious weed seed exam working sample [ref. 1 lb = 453.6 grams], and applies to the following species: Corn bedstraw, Buckhorn plantain, Docks, Sheep sorrel. In no crop, may Corn Bedstraw exceed 45 per pound, as per Restricted Noxious Weed Seed Tolerances [OAR 603-056-0205]. Seed testing of all PVG species, including tree and shrub species, will include both a purity working sample and a noxious working sample.

² For purposes of seed testing and the use of the ammonia test (see OCS 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.