

Volume 1. Principles and Procedures

The noxious weed seed and bulk examinations working weights shall be 10 times the purity working weight (the weight of seed mat or seed tape containing approximately 25,000 seed units) or a maximum of 1,000 grams for kinds in Table 2A for which the working sample weight of raw seed is 500 grams.

2.4 The minimum working sample weights for purity analysis, noxious weed seed examination and bulk examination are given in Table 2A.

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Abelmoschus esculentus</i> (L.) Moench okra	100	500	19	540
5		<i>Abies amabilis</i> J. Forbes Pacific silver fir	100	500	25	705
5		<i>Abies balsamea</i> (L.) Mill. balsam fir	20	200	130	3,740
5		<i>Abies concolor</i> (Gordon & Glend.) Lindl. ex Hildebr. white fir	83	500	30	855
5		<i>Abies fraseri</i> (Pursh) Poir. Fraser fir	20	200	125	3,500
5		<i>Abies grandis</i> (Douglas ex D. Don) Lindl. grand fir	66	500	38	1,070
5		<i>Abies homolepis</i> Siebold & Zucc. Nikko fir	40	400	65	1,780
5		<i>Abies lasiocarpa</i> (Hook.) Nutt. subalpine fir	30	300	85	2,340
5		<i>Abies magnifica</i> A. Murray California red fir	200	500	13	355
		<i>Abies magnifica</i> A. Murray var. <i>shastensis</i> Lemmon Shasta red fir	see <i>Abies</i> × <i>shastensis</i>			
5		<i>Abies procera</i> Rehder noble fir	95	500	26	750
5		<i>Abies</i> × <i>shastensis</i> (Lemmon) Lemmon Shasta red fir	200	500	13	355
5		<i>Abies veitchii</i> Lindl. Veitch fir	20	200	130	3,680
5		<i>Abies</i> spp. fir	-	-	-	-
42	C	<i>Abronia</i> spp. sandverbena	-	-	-	-
		<i>Acer ginnala</i> Maxim. amur maple	see <i>Acer tataricum</i> subsp. <i>ginnala</i>			
26		<i>Acer macrophyllum</i> Pursh bigleaf maple	350	500	7	195
26		<i>Acer negundo</i> L. box elder or negundo maple	100	500	25	710

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
26		<i>Acer pensylvanicum</i> L. striped maple	100	500	25	710
26		<i>Acer platanoides</i> L. Norway maple	400	500	6	165
26		<i>Acer pseudoplatanus</i> L. sycamore maple	200	500	13	370
26		<i>Acer rubrum</i> L. red maple	50	500	50	1,420
26		<i>Acer saccharinum</i> L. silver maple	500	500	3	90
26	C	<i>Acer saccharum</i> Marshall sugar maple	175	500	14	380
26	C	<i>Acer spicatum</i> Lam. mountain maple	50	500	50	1,420
26	C	<i>Acer tataricum</i> L. subsp. <i>ginnala</i> (Maxim.) Wesm. Amur maple	75	500	35	950
26		<i>Acer</i> spp. maple	-	-	-	-
50		<i>Achillea millefolium</i> L. common yarrow	0.4	4	6,325	179,314
27		<i>Achillea ptarmica</i> L. the pearl, achillea	0.6	6	4,200	119,070
12	C	<i>Achnatherum hymenoides</i> (Roem. & Schult.) Barkworth Indian ricegrass	7	70	355	10,120
12	C	<i>Achnatherum lemmonii</i> (Vasey) Barkworth Lemmon's needlegrass	12	120	215	6,083
12	SC	<i>Achnatherum thurberianum</i> (Piper) Barkworth Thurber needlegrass	8	80	300	8,500
12	SC	<i>Achnatherum</i> spp. needlegrass	-	-	-	-
1		<i>Aconitum delphinifolium</i> DC. monkshood	7	70	365	10,350
1		<i>Aconitum napellus</i> L. aconite, garden monkshood	8	80	295	8,365
29		<i>Adenostoma</i> spp. chamise	-	-	-	-
2		<i>Aeschynomene americana</i> L. deervetch, American jointvetch	8	80	326	9,254
1		<i>Aesculus pavia</i> L. red buckeye	4,500	4,500		3
10		<i>Agastache</i> spp. hyssop	-	-	-	-
28		<i>Ageratum houstonianum</i> Mill. Mexican ageratum	0.6	6	3,920	111,132

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
22	C	<i>Agropyron cristatum</i> (L.) Gaertn. fairway crested wheatgrass	4	40	685	19,450
22	C	<i>Agropyron desertorum</i> (Fisch. ex Link) Schult. standard crested wheatgrass	5	50	400-455 (430)	11,340-12,925
		<i>Agropyron elongatum</i> auct. nonn. tall wheatgrass	see <i>Thinopyrum ponticum</i>			
		<i>Agropyron intermedium</i> (Host) P. Beauv. var. <i>intermedium</i> intermediate wheatgrass	see <i>Thinopyrum intermedium</i> subsp. <i>intermedium</i>			
		<i>Agropyron intermedium</i> (Host) P. Beauv. var. <i>trichophorum</i> (Link) Hal. pubescent wheatgrass	see <i>Thinopyrum intermedium</i> subsp. <i>barbulatum</i>			
		<i>Agropyron smithii</i> Rydb. var. <i>smithii</i> western wheatgrass	see <i>Pascopyrum smithii</i>			
		<i>Agropyron smithii</i> Rydb. var. <i>molle</i> (Scribn. & J.G. Sm.) M.E. Jones western wheatgrass	see <i>Pascopyrum smithii</i>			
		<i>Agropyron spicatum</i> (Pursh) Scribn. & J. G. Sm. f. <i>inerme</i> (Scribn. & J. G. Sm.) Beetle beardless wheatgrass	see <i>Pseudoroegneria spicata</i>			
		<i>Agropyron trichophorum</i> (Link) K.Richt. pubescent wheatgrass	see <i>Thinopyrum intermedium</i> subsp. <i>barbulatum</i>			
		<i>Agropyron trachycaulum</i> (Link) Malte ex H. F. Lewis slender wheatgrass	see <i>Elymus trachycaulus</i> subsp. <i>trachycaulus</i>			
22	C	<i>Agropyron</i> spp. wheatgrass	-	-	-	-
13	C	<i>Agrostis canina</i> L. velvet bentgrass	0.25	2.5	18,180	515,450
13	C	<i>Agrostis capillaris</i> L. colonial bentgrass	0.25	2.5	13,515	383,115
13	C	<i>Agrostis capillaris</i> L. colonial bentgrass 'Astoria'	0.25	2.5	12,985	368,175
13	C	<i>Agrostis capillaris</i> L. colonial bentgrass 'Highland'	0.25	2.5	12,660	358,850
13	C	<i>Agrostis gigantea</i> Roth redtop	0.25	2.5	10,695	303,200
13	C	<i>Agrostis stolonifera</i> L. var. <i>palustris</i> (Huds.) Farw. creeping bentgrass	0.25	2.5	13,515	383,115
		<i>Agrostis tenuis</i> Sibth. colonial bentgrass	see <i>Agrostis capillaris</i>			
		<i>Agrostis tenuis</i> Sibth. colonial bentgrass 'Astoria'	see <i>Agrostis capillaris</i> 'Astoria'			
		<i>Agrostis tenuis</i> Sibth. colonial bentgrass 'Highland'	see <i>Agrostis capillaris</i> 'Highland'			

## AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
26	C	<i>Ailanthus altissimus</i> (Mill.) Swingle tree-of-heaven, ailanthus	80	500	30	915
30	C	<i>Alcea rosea</i> L. hollyhock	24	240	105	2,977
41		<i>Allenrolfea</i> spp. iodine-bush	-	-	-	-
42		<i>Allionia</i> spp. windmills	-	-	-	-
1		<i>Allium amplexans</i> Torr. narrowleaf onion, slim leaved onion	4	40	634	17,979
1		<i>Allium cepa</i> L. onion	7	70	340	9,665
1		<i>Allium fistulosum</i> L. Welsh onion	5	50	465	13,174
1		<i>Allium porrum</i> L. leek	6	60	395	11,225
1		<i>Allium schoenoprasum</i> L. chives	5	50		
26		<i>Alnus</i> spp. alder	-	-	-	-
13	SC	<i>Alopecurus arundinaceus</i> Poir. creeping foxtail	1.5	15	1,736	49,129
13	SC	<i>Alopecurus pratensis</i> L. meadow foxtail	3	30	895	25,430
13	SC	<i>Alopecurus</i> spp. foxtail	-	-	-	-
2		<i>Alysicarpus vaginalis</i> (L.) DC. alyceclover	5	50	665	18,825
		<i>Alyssum saxatile</i> L. golden tuft alyssum, basket-of-gold	see <i>Aurinia saxatilis</i> subsp. <i>saxatilis</i>			
1		<i>Amaranthus</i> spp. amaranth, pigweed	2	20	1,475	41,816
28	C	<i>Amberboa moschata</i> (L.) DC. sweet sultan	9	90	270	7,655
42	C	<i>Ambrosia</i> spp. bursage, ragweed	-	-	-	-
1		<i>Amelanchier alnifolia</i> (Nutt.) Nutt. ex M. Roem. Saskatoon serviceberry	30	300	84	2,385
1		<i>Amelanchier</i> spp. serviceberry	-	-	-	-
1		<i>Ammannia</i> spp. redstem	-	-	-	-
9	C	<i>Amorpha</i> spp. indigo	-	-	-	-

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
28		<i>Amphiscirpus</i> spp. bulrush	-	-	-	-
10		<i>Amsinckia</i> spp. fiddleneck	-	-	-	-
1		<i>Amsonia</i> spp. bluestar	-	-	-	-
1		<i>Anagallis arvensis</i> L. anagallis, scarlet pimpernel	2	20	1,200	34,035
1		<i>Anagallis monelli</i> L. Anagallis	-	-	-	-
		<i>Anagallis monelli</i> L. subsp. <i>linifolia</i> (L.) Marie Anagallis	see <i>Anagallis monelli</i>			
27		<i>Anaphalis margaritacea</i> (L.) Benth. & Hook. f. pearly everlasting	0.2	2	27,775	787,420
10		<i>Anchusa azurea</i> Mill. Italian bugloss	-	-	-	-
10		<i>Anchusa capensis</i> Thunb. cape bugloss	6	60	430	12,190
16	SC	<i>Andropogon gerardi</i> Vitman big bluestem	7	70	320	9,015
		<i>Andropogon gerardi</i> Vitman var. <i>paucipilus</i> (Nash) Fernald sand bluestem	see <i>Andropogon hallii</i>			
16	SC	<i>Andropogon hallii</i> Hack. sand bluestem	10	100	215	6,040
16	SC	<i>Andropogon virginicus</i> L. broomsedge bluestem	0.8	8	3,197	90,636
16	SC	<i>Andropogon</i> spp. bluestem	-	-	-	-
39	C	<i>Anemone pulsatilla</i> L. anemone	-	-	-	-
39	C	<i>Anemone</i> spp. anemone	-	-	-	-
1		<i>Anemopsis</i> spp. yerba-mansa	-	-	-	-
11	C	<i>Anethum graveolens</i> L. dill	3	30	800	22,720
27		<i>Anthemis sancti-johannis</i> Stoj. et al. St. Johns chamomile	-	-	-	-
		<i>Anthemis tinctoria</i> L. golden chamomile, golden marguerite	see <i>Cota tinctoria</i>			
14	C	<i>Anthoxanthum odoratum</i> L. sweet vernalgrass	2	20	1,600	45,360
11		<i>Anthriscus cerefolium</i> (L.) Hoffm. chervil	6.5	65	405	11,487

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1	C	<i>Antirrhinum</i> spp. snapdragon	0.4	4	6,993	198,252
11		<i>Apiastrum</i> spp. mock parsley	-	-	-	-
11	C	<i>Apium graveolens</i> L. var. <i>dulce</i> (Mill.) DC. and var. <i>rapaceum</i> (Mill.) Gaudin celery and celeriac	1.2	12	2,094	59,365
1		<i>Aquilegia alpina</i> L. alpine columbine	-	-	-	-
1		<i>Aquilegia chrysantha</i> A. Gray golden columbine	-	-	-	-
1		<i>Aquilegia coerulea</i> E. James Colorado blue columbine	-	-	-	-
1		<i>Aquilegia longissima</i> A. Gray ex S. Watson longspur columbine	-	-	-	-
1		<i>Aquilegia</i> spp. columbine	4	40	600-990 (725)	17,010-28,067 (20,554)
4		<i>Arabis alpina</i> L. rockcress	-	-	-	-
4		<i>Arabis</i> spp. rockcress	0.6	6	4,050	114,818
9		<i>Arachis hypogaea</i> L. peanut	500	500	1-3	
28		<i>Arctium lappa</i> L. great burdock	15	150		
35		<i>Arctostaphylos</i> spp. manzanita	-	-	-	-
27		<i>Arctotis fastuosa</i> Jacq. Cape daisy, monarch-daisy	2	20	1,225	34,730
		<i>Arctotis stoechadifolia</i> auct. lilac African-daisy, arctotis	see <i>Arctotis venusta</i>			
28		<i>Arctotis venusta</i> Norl. lilac African-daisy, arctotis	-	-	-	-
1		<i>Argemone</i> spp. pricklypoppy	-	-	-	-
12	SC	<i>Aristida stricta</i> Michx. pineland threeawn	1.6	16	1,590	45,063
46	C	<i>Armeria</i> spp. armeria	-	-	-	-
14	SC	<i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J. Presl & C. Presl tall oatgrass	6	60	417	11,820
50	SC	<i>Artemisia ludoviciana</i> Nutt. Louisiana sagewort	0.3	3	8,900	253,000

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
50	SC	<i>Artemisia nova</i> A. Nelson black sagebrush	1.2	12	2,200	62,400
50	SC	<i>Artemisia tridentata</i> Nutt. big sagebrush	0.75	7.5	4,500	127,000
50	SC	<i>Artemisia</i> spp. sagebrush, wormwood	-	-	-	-
3	C	<i>Asclepias curassavica</i> L. bloodflower, bloodflower milkweed	6	60	428	12,159
3	C	<i>Asclepias incarnata</i> L. swamp milkweed	11	110	244	6,914
3	C	<i>Asclepias syriaca</i> L. common milkweed	14	140	177	5028
3	C	<i>Asclepias speciosa</i> Torr. showy milkweed	16	160	159	4517
3	C	<i>Asclepias tuberosa</i> L. butterfly-weed, butterfly milkweed	12	120	215	6,095
1		<i>Asparagus densiflorus</i> (Kunth) Jessop 'Sprengeri' Sprenger asparagus	111	500	22	625
1		<i>Asparagus officinalis</i> L. asparagus	100	500	25	710
1		<i>Asparagus setaceus</i> (Kunth) Jessop asparagus fern	-	-	-	-
		<i>Aster novae-angliae</i> L. New England aster	see <i>Symphotrichum novae-angliae</i>			
2		<i>Astragalus cicer</i> L. cicer milkvetch	9	90	270	7,660
38	SC	<i>Atriplex canescens</i> (Pursh) Nutt. fourwing saltbush	19	180	146	4,150
38	SC	<i>Atriplex</i> spp. saltbush	-	-	-	-
1		<i>Atropa belladonna</i> L. belladonna	-	-	-	-
2		<i>Aubrieta deltoidea</i> (L.) DC. aubrieta, purple rockcress	1	10	2,500	70,875
4		<i>Aurinia saxatilis</i> (L.) Desv. golden tuft alyssum, basket-of-gold	3	30	920	26,082
		<i>Avena byzantina</i> K. Koch red oat	see <i>Avena sativa</i>			
14		<i>Avena sativa</i> L. oat and red oat	75	500	35-50	1,000-1,425
		<i>Axonopus affinis</i> Chase carpetgrass	see <i>Axonopus fissifolius</i>			
14	C	<i>Axonopus fissifolius</i> (Raddi) Kuhl. carpetgrass	1	10	2,230	63,275

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
50	C	<i>Baccharis</i> spp. mule-fat	-	-	-	-
27		<i>Baileya multiradiata</i> Harv. & A. Gray ex Torr. wooly marigold	1	10	2,150	60,953
27		<i>Balsamorhiza sagittata</i> (Pursh) Nutt. arrowleaf balsamroot	25	250	100	2,800
27		<i>Balsamorhiza</i> spp. balsamroot	-	-	-	-
2		<i>Baptisia</i> spp. false indigo	-	-	-	-
2		<i>Barbarea verna</i> (Mill.) Asch. upland cress	2	20	1,160	32,885
42		<i>Basella alba</i> L. Malabar spinach green stem types	80	500	31	879
		red stem types	67	500	37	1,049
38	SC	<i>Bassia prostrata</i> (L.) A. J. Scott forage kochia	2	20	1,070	30,300
38	SC	<i>Bassia scoparia</i> (L.) A. J. Scott 'Trichophylla' summer cypress, Mexican firebush	2	20	1,025	29,060
1		<i>Begonia</i> spp. begonia	-	-	-	-
28	C	<i>Bebbia</i> spp. sweetbush	-	-	-	-
13	SC	<i>Beckmannia</i> spp. sloughgrass	-	-	-	-
27		<i>Bellis perennis</i> L. English daisy	0.4	4	5,620	159,327
1		<i>Berberis thunbergii</i> DC. Japanese barberry	-	-	-	-
1		<i>Berberis vulgaris</i> L. European barberry	30	300	85	2,340
1		<i>Berberis</i> spp. barberry	-	-	-	-
		<i>Beta vulgaris</i> L. subsp. <i>cicla</i> (L.) Schübl. & G. Martens Swiss chard	<i>see Beta vulgaris</i> subsp. <i>vulgaris</i>			
41	C	<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i> beet, mangel and Swiss chard Multi-germ types	50	300	60	1,645
		Mono-germ types	30	300	80-141 (112)	2,268-3,997 (2,268)
41	C	<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i> field and sugar beet Multi-germ types	50	500	55	1,530
		Mono-germ types	30	300	66-134 (86)	1,871-3,799 (2,438)



Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
26	C	<i>Betula alleghaniensis</i> Britton yellow birch	3	30	985	27,900
26	C	<i>Betula lenta</i> L. sweet birch	2	20	1,420	40,400
26	C	<i>Betula nigra</i> L. river birch	3	30	825	23,400
26	C	<i>Betula papyrifera</i> Marshall paper birch	1	10	3,040	86,300
26	C	<i>Betula pendula</i> Roth European white birch	0.5	5	5,290	150,000
26	C	<i>Betula populifolia</i> Marshall gray birch	0.5	5	9,380	266,000
28	C	<i>Bidens</i> spp. beggarticks, sticktight	-	-	-	-
13	C	<i>Blepharoneuron</i> spp. pine-dropseed	-	-	-	-
38		<i>Blitum</i> spp. goosefoot	-	-	-	-
28		<i>Bolboschoenus</i> spp. bulrush	-	-	-	-
10		<i>Borago officinalis</i> L. borage	48	480	53	1,503
15	SC	<i>Bothriochloa ischaemum</i> (L.) Keng yellow bluestem	1	10	1,945	55,170
15	SC	<i>Bothriochloa</i> spp. beardgrass	-	-	-	-
21 23	SC	<i>Bouteloua curtipendula</i> (Michx.) Torr. side-oats grama (single florets and/or caryopses) (other than single florets and/or caryopses)	2 6	20 60	1,250 350	35,437 9,950
19 25	C	<i>Bouteloua dactyloides</i> (Nutt.) Columbus buffalograss (burs) (caryopses)	20 3	200 30	110 740	3,120 20,960
23	SC	<i>Bouteloua gracilis</i> (Kunth) Lag. ex Griffiths blue grama	2	20	1,595	45,275
		<i>Brachiaria ramosa</i> (L.) Stapf brown top millet	see <i>Urochloa ramosa</i>			
27		<i>Brachycome iberidifolia</i> Benth. Swan River daisy	0.4	4	5,880	166,698
		<i>Bracteantha bracteata</i> (Vent.) Anderb. & Haegi helichrysum, strawflower	see <i>Xerochrysum bracteatum</i>			
		<i>Brassica alboglabra</i> L. H. Bailey Chinese kale	see <i>Brassica oleracea</i> var. <i>alboglabra</i>			
2		<i>Brassica carinata</i> A. Braun Ethiopian mustard	10	100	250	7087

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
		<i>Brassica chinensis</i> L. pak-choi	see <i>Brassica rapa</i> subsp. <i>Chinensis</i>			
2		<i>Brassica juncea</i> (L.) Czern. India mustard	5	50	625	17,690
		<i>Brassica napus</i> L. subsp. <i>rapifera</i> Metzg. rutabaga	5	50	430	12,135
		<i>Brassica napus</i> L. var. <i>annua</i> W. D. J. Koch annual rape	see <i>Brassica napus</i> var. <i>napus</i>			
		<i>Brassica napus</i> L. var. <i>biennis</i> (Schübl. & G. Martens) Rchb. — winter rape	see <i>Brassica napus</i> var. <i>napus</i>			
		<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb. rutabaga	see <i>Brassica napus</i> subsp. <i>rapifera</i>			
2		<i>Brassica napus</i> L. var. <i>napus</i> annual rape	7	70	345	9,810
2		<i>Brassica napus</i> L. var. <i>napus</i> winter rape	10	100	230	6,520
2		<i>Brassica napus</i> L. subsp. <i>napus</i> var. <i>pabularia</i> (DC.) Alef. Siberian kale	8	80	325	9,215
2		<i>Brassica nigra</i> (L.) W. D. J. Koch black mustard	2	20	1,255	35,610
		<i>Brassica oleracea</i> L. var. <i>acephala</i> DC., pro parte collards, vegetable cabbage and kale ornamental cabbage and kale	see <i>Brassica oleracea</i> var. <i>viridis</i> see <i>Brassica oleracea</i> var. <i>sabellica</i>			
2		<i>Brassica oleracea</i> L. var. <i>alboglabra</i> (L. H. Bailey) Musil --- Chinese kale	10	50	-	-
2		<i>Brassica oleracea</i> L. var. <i>botrytis</i> L. broccoli and cauliflower	10	50	315	8,930
2		<i>Brassica oleracea</i> L. var. <i>capitata</i> L. cabbage	10	50	315	8,930
2		<i>Brassica oleracea</i> L. var. <i>costata</i> DC. tranchuda cabbage	10	100	-	-
2		<i>Brassica oleracea</i> L. var. <i>gemmifera</i> DC. brussels-sprouts	10	50	315	8,930
2		<i>Brassica oleracea</i> L. var. <i>gongylodes</i> L. kohlrabi	10	50	315	8,930
2		<i>Brassica oleracea</i> L. var. <i>sabellica</i> L. ornamental cabbage and ornamental kale	10	50	315	8,930
		<i>Brassica oleracea</i> L. var. <i>tranchuda</i> L. H. Bailey tranchuda cabbage	see <i>Brassica oleracea</i> var. <i>costata</i>			
2		<i>Brassica oleracea</i> L. var. <i>viridis</i> L. collards, vegetable kale	10	50	315	8,930
		<i>Brassica pekinensis</i> (Lour.) Rupr. pe-tsai (Chinese cabbage)	see <i>Brassica rapa</i> subsp. <i>pekinensis</i>			
		<i>Brassica perviridis</i> (L. H. Bailey) L. H. Bailey spinach mustard	see <i>Brassica rapa</i> subsp. <i>nipposinica</i> var. <i>perviridis</i>			

Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
2		<i>Brassica rapa</i> L. subsp. <i>chinensis</i> (L.) Hanelt pak-choi	5	50	635	17,945
2		<i>Brassica rapa</i> L. subsp. <i>pekinensis</i> (Lour.) Hanelt pe-tsai (Chinese cabbage)	5	50	635	17,945
2		<i>Brassica rapa</i> L. subsp. <i>nipposinica</i> (L.H. Bailey) Hanelt var. <i>perviridis</i> L. H. Bailey spinach mustard	5	50	535	15,195
2		<i>Brassica rapa</i> L. subsp. <i>rapa</i> annual turnip rape (bird rape)	7	70	425	12,050
2		<i>Brassica rapa</i> L. subsp. <i>rapa</i> biennial turnip rape, turnip	5	50	535	15,195
21	C	<i>Bromus arvensis</i> L. field brome	5	50	465	13,210
21	C	<i>Bromus carinatus</i> Hook & Arn. var. <i>marginatus</i> (Steud.) Barkworth & Anderton mountain brome	20	200	140	4,005
21	C	<i>Bromus catharticus</i> Vahl var. <i>catharticus</i> rescuegrass	20	200	113	3,230
21	C	<i>Bromus hordeaceus</i> L. soft chess	5	50	555	15,740
22	C	<i>Bromus inermis</i> Leyss. subsp. <i>inermis</i> smooth brome	7	70	300-330 (315)	8,475- 9,385
		<i>Bromus marginatus</i> Steud. mountain brome	see <i>Bromus carinatus</i> var. <i>marginatus</i>			
		<i>Bromus mollis</i> L. soft chess	see <i>Bromus hordeaceus</i>			
22		<i>Bromus riparius</i> Rehmman × <i>B. inermis</i> Leyss. hybrid bromegrass	12.5	125	239	6,789
		<i>Bromus unioloides</i> Kunth rescuegrass	see <i>Bromus catharticus</i> var. <i>catharticus</i>			
		<i>Bromus willdenowii</i> Kunth rescuegrass	see <i>Bromus catharticus</i> var. <i>catharticus</i>			
21	C	<i>Bromus</i> spp. brome	-	-	-	-
1		<i>Browallia</i> spp. browalia, bush violet	0.6	6	4,445	126,016
1		<i>Brugmansia arborea</i> (L.) Lagerh. angel's trumpet	-	-	-	-
10		<i>Brunnera macrophylla</i> (Adams) I. M. Johnst. dwarf forget-me-not	-	-	-	-
		<i>Buchloe dactyloides</i> (Nutt.) Engelm. buffalograss	see <i>Bouteloua dactyloides</i>			
28		<i>Buphthalmum salicifolium</i> L. willowleaf oxeye	2	20	1,135	32,175
		<i>Bupleurum griffithii</i> hort. green-gold bupleurum	see <i>Bupleurum rotundifolium</i>			

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
11		<i>Bupleurum rotundifolium</i> L. green-gold bupleurum	6	60	410	11,625
1		Cactaceae cactus	-	-	-	-
9		<i>Cakile</i> spp. sea rocket	-	-	-	-
12	C	<i>Calamagrostis canadensis</i> (Michx.) P. Beauv. bluejoint	0.5	5	8,461	239,842
12	C	<i>Calamagrostis</i> spp. reedgrass	-	-	-	-
12	C	<i>Calamovilfa</i> spp. sandreed	-	-	-	-
1		<i>Calandrinia</i> spp. red-maids	-	-	-	-
1		<i>Calceolaria</i> spp. calceolaria	-	-	-	-
27	C	<i>Calendula officinalis</i> L. calendula, pot marigold	18	180	140	3,969
2	C	<i>Calliandra</i> spp. fairy-duster	-	-	-	-
27		<i>Callistephus chinensis</i> (L.) Nees China-aster	5	50	495	14,033
4	C	<i>Calocedrus decurrens</i> (Torr.) Florin incense cedar	87	500	29	815
1		<i>Camassia leichtlinii</i> (Baker) S. Watson large camas	17	170	151	4,286
1		<i>Camassia quamash</i> (Pursh) Greene Camas flower; blue camas; common camas	13	130	200	5,657
2		<i>Camelina sativa</i> (L.) Crantz. camelina, bigseed falseflax	4	40	880	24,970
		<i>Camissonia cheiranthifolia</i> (Hornem. ex Spreng.) Raim. beach evening-primrose	See <i>Camissoniopsis cheiranthifolia</i>			
1		<i>Camissoniopsis cheiranthifolia</i> (Hornem. ex Spreng.) W.L. Wagner & Hoch beach evening-primrose	0.5	5	5,445	154,366
1		<i>Campanula carpatica</i> Jacq. Carpathian bellflower	0.2	2	12,820	363,445
1		<i>Campanula medium</i> L. Canterbury bells	-	-	-	-
1		<i>Campanula medium</i> L. 'Calycanthema' cup and saucer bellflower	0.6	6	4,185	118,645
1		<i>Campanula persicifolia</i> L. peach bellflower	-	-	-	-

Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Campanula rotundifolia</i> L. blue bells-of Scotland, bellflower	-	-	-	-
27		<i>Cannabis sativa</i> L. industrial hemp, marijuana	50	500	45	1,305
1		<i>Capsicum</i> spp. pepper	15	150	165	4,735
2		<i>Caragana</i> spp. peashrub	-	-	-	-
6		<i>Cardiospermum halicacabum</i> L. balloonvine, heartseed	-	-	-	-
42	C	<i>Carex bebbii</i> Olney ex Fernald Bebb's sedge	2.3	23	1,080	30,618
42	C	<i>Carex comosa</i> Boott bristly sedge, longhair sedge	2.2	22	1,125	31,894
42	C	<i>Carex hystericina</i> Muhl. ex Willd. bottlebrush sedge	3.3	33	751	21,291
42	C	<i>Carex pachystachya</i> Cham. ex Steud. chamisso sedge	1.4	14	1,888	53,515
42	C	<i>Carex pseudocyperus</i> L. cyperus-like sedge	4.5	45	552	15,649
42	C	<i>Carex scoparia</i> Schkuhr ex Willd. pointed broom sedge	1	10	2,549	72,250
42	C	<i>Carex</i> spp. sedge	-	-	-	-
42	C	<i>Carex sprengelii</i> Dewey ex Spreng. Sprengel's sedge	5	50	485	13,750
42	C	<i>Carex stipata</i> Muhl. ex Willd. sawbeak sedge	1.7	17	1,462	41,555
42	C	<i>Carex tumulicola</i> Mack. foothill sedge	4	40	685	19,423
42	C	<i>Carex unilateralis</i> Mack. one-sided sedge	1.1	11	2,323	65,843
42	C	<i>Carex vulpinoidea</i> Michx. fox sedge	0.77	7.7	3,247	92,052
1		<i>Carnegiea gigantea</i> (Englem.) Britton & Rose saguaro cactus	-	-	-	-
28		<i>Carthamus tinctorius</i> L. safflower	100	500	30	825
11		<i>Carum carvi</i> L. caraway	8	80	333	9,434
36		<i>Carya illinoensis</i> (Wangenh.) K. Koch pecan	2,300	2,300	-	6
36		<i>Carya ovata</i> (Miller) K. Koch shagbark hickory	2,300	2,300	-	6
1	C	<i>Castilleja</i> spp. Indian paintbrush, paintbrush	-	-	-	-

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
26		<i>Casuarina</i> spp. beefwood	3	30	1,030	29,300
12		<i>Catabrosa</i> spp. whorlgrass	-	-	-	-
3	C	<i>Catalpa bignonioides</i> Walter southern catalpa	50	500	45	1,280
3	C	<i>Catalpa speciosa</i> E. Y. Teas northern catalpa	50	500	45	1,280
28		<i>Catananche caerulea</i> L. cupid's dart	8	80	308	8.732
1		<i>Catharanthus roseus</i> (L.) G. Don rose periwinkle, vinca	4	40	685	19,420
2		<i>Caulanthus</i> spp. California mustard	-	-	-	-
1		<i>Ceanothus</i> spp. ceanothus	-	-	-	-
2	C	<i>Cedrus atlantica</i> (Endl.) G. Manetti ex Carriere Atlas cedar	200	500	12	350
2	C	<i>Cedrus deodara</i> (Roxb. ex D. Don) G. Don deodar cedar	300	500	8	225
2	C	<i>Cedrus libani</i> A. Rich. cedar-of-Lebanon	200	500	11	305
		<i>Cedrus libani</i> A. Rich. subsp. <i>atlantica</i> (Endl.) Batt. & Trab. --- Atlas cedar	see <i>Cedrus atlantica</i>			
6		<i>Celastrus orbiculatus</i> Thunb. Oriental bittersweet	20	200	120	3,360
6		<i>Celastrus scandens</i> L. American bittersweet	40	400	55	1,630
1		<i>Celosia</i> spp. celosia, cockscomb	2	20	1,365	38,698
35		<i>Celtis</i> spp. hackberry	-	-	-	-
18	C	<i>Cenchrus americanus</i> (L.) Morrone pearl millet	15	150	180	5,145
25	SC	<i>Cenchrus ciliaris</i> L. buffelgrass (caryopses) (fascicles)	2	20	1,940	55,095
18			6	60	357	10,120
18	SC	<i>Cenchrus purpureus</i> (Schumach.) Morrone napiergrass	5	50		
		<i>Centaurea americana</i> Nutt. basket-flower	see <i>Plectocephalus americana</i>			
28	C	<i>Centaurea cineraria</i> L. dusty-miller	-	-	-	-

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
28	C	<i>Centaurea cyanus</i> L. bachelor's-button, cornflower	11	110	225	6,379
		<i>Centaurea dealbata</i> Willd. Persian coneflower	see <i>Psephellus dealbatus</i>			
28	C	<i>Centaurea gymnocarpa</i> Moris & DeNot. velvet centaurea	-	-	-	-
28	C	<i>Centaurea imperialis</i> Hausskn. ex Bornm. royal centaurea	-	-	-	-
28	C	<i>Centaurea macrocephala</i> Muss. Puschk. ex Willd. big-head knapweed	40	400	65	1,845
28	C	<i>Centaurea montana</i> L. mountain-bluet	30	300	80	2,270
43	C	<i>Centranthus ruber</i> (L.) DC. Jupiter's-beard	5	50	549	15,564
1		<i>Cerastium tomentosum</i> L. snow-in-summer, cerastium	0.9	9	2,762	78,303
		<i>Ceratoides lanata</i> (Pursh) J. T. Howell winterfat	see <i>Krascheninnikovia lanata</i>			
2		<i>Cercis</i> spp. redbud	-	-	-	-
39	C	<i>Cercocarpus ledifolius</i> Nutt. ex Torr. & A. Gray curlleaf mountain-mahogany	25	250	100	3,000
39	C	<i>Cercocarpus montanus</i> Raf. var. <i>montanus</i> true mountain-mahogany	28	280	90	2,500
39	C	<i>Cercocarpus</i> spp. mountain-mahogany	-	-	-	-
50	C	<i>Chaenactis</i> spp. dusty-maiden	-	-	-	-
2		<i>Chamaecrista fasciculata</i> (Michx.) Greene partridge pea	25	250	94	2665
4	C	<i>Chamaecyparis lawsoniana</i> (A. Murray) Parl. Port Orford cedar	5	50	465	13,100
		<i>Chamaecyparis nootkatensis</i> (D. Don) Spach Alaska cedar	see <i>Cupressus nootkatensis</i>			
4	C	<i>Chamaecyparis</i> spp. cedar	-	-	-	-
1		<i>Chamaenerion</i> spp. fireweed	-	-	-	-
38	C	<i>Chenopodium quinoa</i> Willd. quinoa	7	70	367	10,805
		<i>Cheiranthus cheiri</i> L. wallflower	see <i>Erysimum cheiri</i>			
3		<i>Chilopsis</i> spp. desertwillow	-	-	-	-
14	C	<i>Chloris gayana</i> Kunth rhodesgrass	1	10	4,725	133,925

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
		<i>Chrysanthemum carinatum</i> Schousb. annual chrysanthemum	see <i>Glebionis carinata</i>			
		<i>Chrysanthemum coronarium</i> L. garland, crown daisy, edible chrysanthemum, annual chrysanthemum	see <i>Glebionis coronaria</i>			
		<i>Chrysanthemum ptarmiciflorum</i> (Webb) Brenan Canary Islands chrysanthemum	see <i>Tanacetum ptarmiciflorum</i>			
		<i>Chrysanthemum segetum</i> L. annual chrysanthemum	see <i>Glebionis segetum</i>			
		<i>Chrysothamnus nauseosus</i> (Pall. Ex Pursh) Britton rubber rabbitbrush	see <i>Ericameria nauseosa</i>			
50	SC	<i>Chrysothamnus</i> spp. rabbitbrush	-	-	-	-
1		<i>Chylismia</i> spp. primrose	-	-	-	-
2		<i>Cicer arietinum</i> L. chickpea	500	500	2	55
28		<i>Cichorium endivia</i> L. endive	3	30	940	26,650
28		<i>Cichorium intybus</i> L. chicory	3	30	940	26,650
11		<i>Cicuta</i> spp. water-hemlock	-	-	-	-
1		<i>Citrullus amarus</i> Schrad. citron, citron-melon	200	500	11	310
		<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai var. <i>caffer</i> (Schrad.) Mansf., citron-melon	see <i>Citrullus amarus</i>			
		<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai var. <i>citroides</i> (L. H. Bailey) Mansf. citron, citron-melon	see <i>Citrullus amarus</i>			
1		<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai subsp. <i>lanatus</i> watermelon	200	500	11	310
1		<i>Clarkia amoena</i> (Lehm.) A. Nelson & J. F. Macbr. satin flower	1	10	2,570	72,860
1		<i>Clarkia bota</i> (Spach) F. H. Lewis & M. E. Lewis godetia, Botta's clarkia	0.5	5	4,785	135,655
1		<i>Clarkia concinna</i> (Fisch. & C. A. Mey.) Greene godetia	-	-	-	-
1		<i>Clarkia purpurea</i> (Curtis) A. Nelson & J. F. Macbr. winecup clarkia	1	10	2,688	76,207
1		<i>Clarkia unguiculata</i> Lindl. clarkia	0.7	7	3,367	95,454
		<i>Cleome hassleriana</i> Chodat cleome, spiderflower	see <i>Tarenaya hassleriana</i>			



**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
		<i>Cleome serrulata</i> Pursh Rocky Mountain beeplant	<i>see Peritoma serrulata</i>			
1		<i>Cleretum bellidiforme</i> (Burm.f.) G.D. Rowley iceplant, livingstone daisy	0.6	6	3,920	111,130
3		<i>Cobaea scandens</i> Cav. cathedral bells	-	-	-	-
20		<i>Coix lacryma-jobi</i> L. Job's-tears	-	-	-	-
14		<i>Coleataenia anceps</i> (Michx.) Soreng beaked panicgrass	2	20	1,576	44,667
14		<i>Coleataenia</i> spp. panicum	-	-	-	-
39		<i>Coleogyne</i> spp. blackbrush	-	-	-	-
		<i>Coleus blumei</i> Benth. common coleus	<i>see Plectranthus scutellarioides</i>			
		<i>Coleus scutellarioides</i> (L.) Benth. common coleus	<i>see Plectranthus scutellarioides</i>			
1		<i>Collinsia heterophylla</i> G. Buist ex Graham Chinese-houses	3	30	810	22,964
1		<i>Collomia grandiflora</i> Douglas ex Lindl. grand collomia	10	100	254	7,201
10		<i>Condea</i> spp. desert lavender	-	-	-	-
1		<i>Consolida ajacis</i> (L.) Schur ajacis delphinium, annual larkspur, rocket larkspur	6	60	405	11,482
		<i>Consolida ambigua</i> auct. annual larkspur	<i>see Consolida ajacis</i>			
1		<i>Cordyline australis</i> (G. Forst.) Endl. cordyline, fountain-dracaena	9	90	270	7,655
28		<i>Coreopsis basalis</i> (A. Dietr.) S. F. Blake calliopsis	-	-	-	-
28		<i>Coreopsis lanceolata</i> L. coreopsis, perennial	5	50	465	13,183
28		<i>Coreopsis tinctoria</i> Nutt. calliopsis	0.8	8	3,130	88,736
28		<i>Coreopsis</i> spp. coreopsis	-	-	-	-
11		<i>Coriandrum sativum</i> L. coriander	27	270	95	2,703
35		<i>Cornus florida</i> L. flowering dogwood	190	500	13	375
35		<i>Cornus sericea</i> L. subsp. <i>sericea</i> red-osier dogwood	75	500	40	1,150

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
		<i>Cornus stolonifera</i> Michx. red-osier dogwood	see <i>Cornus sericea</i> subsp. <i>sericea</i>			
		<i>Coronilla varia</i> L. crownvetch	see <i>Securigera varia</i>			
12		<i>Cortaderia</i> spp. pampas grass	-	-	-	-
28		<i>Cosmos bipinnatus</i> Cav. cosmos: sensation, mammoth or crested types	16	160	160	4,495
28		<i>Cosmos sulphureus</i> Cav. cosmos; Klondyke types	19	190	135	3,827
27		<i>Cota tinctoria</i> (L.) J. Gray golden chamomile, golden marguerite	1	10	2,195	62,230
34		<i>Cotoneaster</i> spp. cotoneaster	-	-	-	-
50		<i>Cotula</i> spp. brass-button	-	-	-	-
		<i>Cowania mexicana</i> D. Don cliffrose	see <i>Purshia mexicana</i> var. <i>mexicana</i>			
		<i>Crambe abyssinica</i> Hochst. ex R. E. Fr. crambe	see <i>Crambe hispanica</i> subsp. <i>abyssinica</i>			
32		<i>Crambe hispanica</i> L. subsp. <i>abyssinica</i> (Hochst. Ex R. E. Fr.) Prina crambe	25	250	-	-
34		<i>Crataegus mollis</i> (Torr. & A. Gray) Scheele downy hawthorn	110	500	24	653
1		<i>Cressa</i> spp. alkaliweed	-	-	-	-
8	C	<i>Crossandra infundibuliformis</i> (L.) Nees crossandra	-	-	-	-
2		<i>Crotalaria brevidens</i> Benth. var. <i>intermedia</i> (Kotschy) Polhill slenderleaf crotalaria	10	100	205	5,880
2		<i>Crotalaria juncea</i> L. sunn crotalaria	75	500	35	1,020
2		<i>Crotalaria lanceolata</i> E. Mey. lanceleaf crotalaria	7	70	375	10,650
2		<i>Crotalaria pallida</i> Aiton smooth crotalaria	10	100	215	6,105
2		<i>Crotalaria spectabilis</i> Roth showy crotalaria	25	250	80	2,270
1		<i>Cucumis melo</i> L. subsp. <i>melo</i> muskmelon (cantaloupe)	50	500	45	1,275
1		<i>Cucumis sativus</i> L. cucumber	75	500	40	1,075

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Cucurbita pepo</i> L., <i>C. moschata</i> Duchesne and <i>C. maxima</i> Duchesne pumpkin	500	500	5	115
1		<i>Cucurbita pepo</i> L., <i>C. moschata</i> Duchesne and <i>C. maxima</i> Duchesne squash	200	500	14	395
1		<i>Cucurbita</i> spp., etc. gourds: small-seeded large-seeded	- -	- -	- -	- -
11		<i>Cuminum cyminum</i> L. cumin	-	-	-	-
4	C	<i>Cupressus arizonica</i> Greene Arizona cypress	30	300	90	2,500
4		<i>Cupressus nootkatensis</i> D. Don Alaska cedar	10	100	240	6,750
2		<i>Cyamopsis tetragonoloba</i> (L.) Taub. guar	75	500	35	965
1		<i>Cyclamen africanum</i> Boiss. & Reut. cyclamen	23	230	110	3,120
11	C	<i>Cymopterus</i> spp. spring-parsley	-	-	-	-
27		<i>Cynara cardunculus</i> L. artichoke and cardoon	100	500	24	680
14	C	<i>Cynodon dactylon</i> (L.) Pers. var. <i>aridus</i> J. R. Harlan & de Wet giant bermudagrass	1	10	2,950	83,630
14 25	C	<i>Cynodon dactylon</i> (L.) Pers. var. <i>dactylon</i> bermudagrass: unhulled hulled	1 1	10 10	3,495 4,565	99,140 129,445
10	C	<i>Cynoglossum amabile</i> Stapf & J. R. Drumm. Chinese forget-me-not	11	110	224	6,350
12		<i>Cynosurus cristatus</i> L. crested dogtail	2	20	1,900	53,865
24	C	<i>Dactylis glomerata</i> L. orchardgrass	3	30	840-1,050 (945)	23,615-29,825
27		<i>Dahlia</i> spp. dahlia	19	190	130	3,686
2		<i>Dalea purpurea</i> Vent. purple prairieclover (unhulled)	4	40	631	17,886
2		<i>Dalea</i> spp. indigo bush, prairieclover	-	-	-	-
12	C	<i>Danthonia californica</i> Bol. California oatgrass	11	110	232	6,563
27		<i>Dasiphora</i> spp. golden-hardhack	-	-	-	-

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
32	C	<i>Dasylium</i> spp. sotol	-	-	-	-
11	C	<i>Daucus carota</i> L. subsp. <i>carota</i> Queen Anne's-lace	2	20	1,030	29,200
11	C	<i>Daucus carota</i> L. subsp. <i>sativus</i> (Hoffm.) Schübl. & G. Martens carrot	3	30	825	23,415
50		<i>Deinandra</i> spp. tarweed	-	-	-	-
1		<i>Delphinium cardinale</i> Hook. cardinal larkspur, perennial delphinium	-	-	-	-
1		<i>Delphinium elatum</i> L. Pacific giant larkspur	-	-	-	-
1		<i>Delphinium</i> spp. larkspur	-	-	-	-
12	C	<i>Deschampsia cespitosa</i> (L.) P. Beauv. tufted hairgrass	1	10	3,523	99,862
12	C	<i>Deschampsia</i> spp. hairgrass	-	-	-	-
2		<i>Desmanthus illinoensis</i> (Michx.) MacMill. ex B. L. Rob. & Fernald Illinois bundleflower	15	150	173	4,907
2		<i>Desmanthus</i> spp. bundleflower	-	-	-	-
2		<i>Desmodium tortuosum</i> (Sw.) DC. Florida beggarweed	5	50	440	12,540
2	C	<i>Desmodium</i> spp. tickclover, tick-trefoil	-	-	-	-
1		<i>Dianthus ×allwoodii</i> hort. sweet wivelsfield	-	-	-	-
1		<i>Dianthus barbatus</i> L. sweet-william	3	30	900	25,515
1		<i>Dianthus caryophyllus</i> L. carnation	5	50	519	14,714
1		<i>Dianthus chinensis</i> L. China pinks	2	20	1,012	28,690
1		<i>Dianthus deltoides</i> L. maiden pinks	0.5	5	4,785	135,655
1		<i>Dianthus plumarius</i> L. grass pinks	3	30	810	22,964
1		<i>Dichondra repens</i> J. R. Forst. & G. Forst. dichondra	5	50	470	13,410
1		<i>Dictamnus albus</i> L. gasplant, dittany	-	-	-	-

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
		<i>Didiscus coeruleus</i> (Graham) DC. blue laceflower	see <i>Trachymene coerulea</i>			
1		<i>Digitalis purpurea</i> L. common foxglove	0.2	2	10,290	291,721
1		<i>Digitalis</i> spp. foxglove	-	-	-	-
14	C	<i>Digitaria</i> spp. cottontop, crabgrass	-	-	-	-
28		<i>Dimorphotheca sinuata</i> DC. African-daisy, blue-eyed cape-marigold stick-type seed	5	50	459	13,013
		flake-type seed	4	40	597	16,925
2		<i>Diptaxis</i> spp. wallrocket, wild arugula, wild rocket	0.7	7	3,890	110,270
12	C	<i>Disakisperma</i> spp. sprangletop	-	-	-	-
12		<i>Distichlis</i> spp. saltgrass	-	-	-	-
50	C	<i>Doellingeria</i> spp. whitetop	-	-	-	-
28		<i>Doronicum orientale</i> Hoffm. Caucasian leopardbane	-	-	-	-
		<i>Dorotheanthus bellidiformis</i> (Burm. f.) N. E. Br. iceplant, livingstone daisy	see <i>Cleretum bellidiforme</i>			
1		<i>Downingia</i> spp. downingia	-	-	-	-
10		<i>Dracocephalum</i> spp. dragonhead	-	-	-	-
27		<i>Drymocallis</i> spp. cinquefoil	-	-	-	-
50	C	<i>Dyssodia</i> spp. prairie-dog-weed	-	-	-	-
27		<i>Echinacea purpurea</i> (L.) Moench purple coneflower	10	100	255	7,229
27		<i>Echinacea</i> spp. echinacea, coneflower	-	-	-	-
14		<i>Echinochloa esculenta</i> (A. Braun) H. Scholz Japanese millet	9	90	315	8,930
14		<i>Echinochloa frumentacea</i> Link Siberian millet	9	90	315	8,930
45	C	<i>Echinops ritro</i> L. small globethistle hulled seed	37	370	70	1,985
		raw seed	53	500	45	1,275
14	C	<i>Ehrharta calycina</i> Sm. perennial veldtgrass	4	40	655	18,610

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
28		<i>Eleocharis</i> spp. spikerush	-	-	-	-
21	C	<i>Elymus canadensis</i> L. Canada wildrye	11	110	190	5,385
		<i>Elymus cinereus</i> Scribn. & Merr. basin wildrye	see <i>Leymus cinereus</i>			
21	SC	<i>Elymus elymoides</i> (Raf.) Swezey bottlebrush-squirreltail	9	90	190-520 (300)	5,400- 14,800
21	C	<i>Elymus glaucus</i> Buckley blue wildrye	11	110	244	6,922
		<i>Elymus junceus</i> Fisch. Russian wildrye	see <i>Psathyrostachys juncea</i>			
21	C	<i>Elymus lanceolatus</i> (Scribn. & J. G. Sm.) Gould streambank wheatgrass, thickspike wheatgrass	8	80	317	8987
21	C	<i>Elymus macrourus</i> (Turcz. ex Steud.) Tzvelev Tufted wheatgrass, angara wheatgrass	8	80	260-322 (291)	8,415-8,873 (8,644)
		<i>Elymus smithii</i> (Rydb.) Gould western wheatgrass	see <i>Pascopyrum smithii</i>			
21	C	<i>Elymus trachycaulus</i> (Link) Gould subsp. <i>trachycaulus</i> slender wheatgrass	7	70	295	8,335
22	C	<i>Elymus virginicus</i> L. Virginia wildrye	-	-	-	-
21	C	<i>Elymus wawawaiensis</i> J. R. Carlson & Barkworth Snake River wheatgrass	9	90	227-384 (305)	6,649-10,463 (8,556)
		<i>Elytrigia elongata</i> (Host) Nevski tall wheatgrass	see <i>Thinopyrum ponticum</i>			
		<i>Elytrigia intermedia</i> (Host) Nevski subsp. <i>intermedia</i> pubescent wheatgrass	see <i>Thinopyrum intermedium</i> subsp. <i>barbulatum</i>			
		<i>Elytrigia intermedia</i> (Host) Nevski subsp. <i>intermedia</i> intermediate wheatgrass	see <i>Thinopyrum intermedium</i> subsp. <i>intermedium</i>			
		<i>Elytrigia spicata</i> (Pursh) D. R. Dewey beardless wheatgrass	see <i>Pseudoroegneria spicata</i>			
1		<i>Emmenanthe</i> spp. whispering-bells	-	-	-	-
50	C	<i>Encelia</i> spp. brittlebush	-	-	-	-
1		<i>Ephedra nevadensis</i> S. Watson Nevada ephedra, Nevada Mormon-tea	60	500	45	1,280
1		<i>Ephedra viridis</i> Coville green Mormon-tea	60	500	45	1,280
1		<i>Epilobium</i> spp. fireweed, willowherb	-	-	-	-
1		<i>Epilobium densiflorum</i> (Lindl.) Hoch & P. H. Raven denseflower willowherb; dense spike-primrose	1.2	12	2,124	60,207

Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Episcia</i> spp. flame-violet	-	-	-	-
12		<i>Eragrostis curvula</i> (Schrud.) Nees weeping lovegrass	1	10	3,270	92,645
12	C	<i>Eragrostis tef</i> (Zuccagni) Trotter teff	1	10	3,288	93,224
12		<i>Eragrostis trichodes</i> (Nutt.) Alph. Wood sand lovegrass	1	10	3,585	101,605
12		<i>Eragrostis</i> spp. lovegrass	-	-	-	-
30	C	<i>Eremalche</i> spp. mallow	-	-	-	-
15		<i>Eremochloa ophiuroides</i> (Munro) Hack. centipedegrass	2	20	1,253	35,530
17	C	<i>Eremopyrum</i> spp. annual wheatgrass	-	-	-	-
28	SC	<i>Ericameria nauseosa</i> (Pall. ex Pursh) G.L. Nesom & G.I. Baird rubber rabbitbrush	2	20	1,350	38,200
28	C	<i>Erigeron speciosus</i> (Lindl.) DC. Oregon fleabane	0.8	8	3,010	85,335
50	C	<i>Erigeron</i> spp. fleabane	-	-	-	-
29	SC	<i>Eriogonum</i> spp. buckwheat, umbrella plant	-	-	-	-
28	C	<i>Eriophyllum lanatum</i> (Pursh) J. Forbes common woolly sunflower	1	10	2,625	74,413
44	C	<i>Erodium cicutarium</i> (L.) L'Hér. alfilaria	5	50	440	15,365
44		<i>Erodium</i> spp. filaree	-	-	-	-
		<i>Eruca sativa</i> Mill. arugula, rocketsalad, roquette	see <i>Eruca vesicaria</i> subsp. <i>sativa</i>			
2		<i>Eruca vesicaria</i> (L.) Cav. subsp. <i>sativa</i> (Mill.) Thell. arugula, rocketsalad, roquette	4.5	45	575	16,301
11	C	<i>Eryngium</i> spp. eryngo	-	-	-	-
2		<i>Erysimum cheiri</i> (L.) Crantz wallflower	4	40	640	18,145
2		<i>Erysimum hieraciifolium</i> L. wallflower	3	30	765	21,688
2		<i>Erysimum</i> spp. treacle, wallflower	-	-	-	-
1		<i>Erythranthe ×hybrida</i> (hort. ex Voss) Silverside tiger monkeyflower	-	-	-	-

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Eschscholzia californica</i> Cham. California-poppy	4	40	500-705 (595)	14,175-19,987 (16,868)
1		<i>Eschscholzia</i> spp. gold-poppy	-	-	-	-
1	C	<i>Eucalyptus deglupta</i> Blume Mindanao gum	0.5	5	10,000	280,000
1	C	<i>Eucalyptus grandis</i> W. Hill ex Maiden rose gum	5	50	715	20,000
28	C	<i>Eupatorium</i> spp. boneset	-	-	-	-
1		<i>Euphorbia heterophylla</i> L. painted euphorbia	-	-	-	-
1		<i>Euphorbia marginata</i> Pursh snow-on-the-mountain	-	-	-	-
1		<i>Euphorbia</i> spp. spurge	-	-	-	-
1		<i>Eustoma exaltatum</i> (L.) Salisb ex G. Don subsp. <i>russellianum</i> (Hook.) Kartz eustoma, lisianthus, prairie gentian, tulip gentian	-	-	-	-
		<i>Eustoma grandiflorum</i> (Raf.) Shinnery eustoma, lisianthus, prairie gentian, tulip gentian	see <i>Eustoma exaltatum</i> subsp. <i>russellianum</i>			
		<i>Eustoma russellianum</i> (Hook.) G. Don eustoma, lisianthus, prairie gentian, tulip gentian	see <i>Eustoma exaltatum</i> subsp. <i>russellianum</i>			
1		<i>Exacum affine</i> Balf. f. German violet	-	-	-	-
29		<i>Fagopyrum esculentum</i> Moench buckwheat	50	500	45	1,275
39	C	<i>Fallugia</i> spp. Apache-plume	-	-	-	-
1		<i>Ferocactus wislizeni</i> (Englem.) Britton & Rose barrel cactus	-	-	-	-
21	C	<i>Festuca arundinacea</i> Schreb. tall fescue	5	50	390-515 (455)	11,115- 14,600
		<i>Festuca brevipila</i> hard fescue	see <i>Festuca trachyphylla</i>			
12	C	<i>Festuca californica</i> Vasey California fescue	7.5	75	336	9,416
		<i>Festuca capillata</i> Lam., nom. illeg. hair fescue	see <i>Festuca filiformis</i>			
		<i>Festuca duriuscula</i> auct. N. Amer. hard fescue	see <i>Festuca trachyphylla</i>			
		<i>Festuca elatior</i> auct. Amer. meadow fescue	see <i>Festuca pratensis</i>			
21	C	<i>Festuca filiformis</i> Pourr. hair fescue	1	10	3,200	90,720



Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
22	C	<i>Festuca idahoensis</i> Elmer Idaho fescue	3.5	35	744	21,088
		<i>Festuca longifolia</i> auct. pl. hard fescue	see <i>Festuca trachyphylla</i>			
22	C	<i>Festuca ovina</i> L. sheep fescue	2	20	1,165	33,145
		<i>Festuca ovina</i> L. var. <i>duriuscula</i> auct. N. Amer. sheep fescue	see <i>Festuca trachyphylla</i>			
21	C	<i>Festuca pratensis</i> Huds. meadow fescue	5	50	495	14,090
21	C	<i>Festuca roemeri</i> (Pavlick) E. B. Alexeev Roemer's fescue	3	30	776	22,009
22	C	<i>Festuca rubra</i> L. subsp. <i>commutata</i> Markgr-Dann. chewings fescue	3	30	900	28,040
		<i>Festuca rubra</i> L. subsp. <i>fallax</i> auct. chewings fescue	see <i>Festuca rubra</i> subsp. <i>commutata</i>			
22	C	<i>Festuca rubra</i> L. subsp. <i>rubra</i> red and creeping red fescue	3	30	805-990	22,820
		<i>Festuca tenuifolia</i> Sibth. hair fescue	see <i>Festuca filiformis</i>			
22	C	<i>Festuca trachyphylla</i> (Hack.) Krajina hard fescue	2	20	1,305	36,995
21	C	<i>Festuca</i> spp. fescue	-	-	-	-
11		<i>Foeniculum vulgare</i> Mill. fennel	11	110	261	7,412
26	C	<i>Fraxinus americana</i> L. white ash	100	500	22	625
26	C	<i>Fraxinus excelsior</i> L. European ash	200	500	13	370
26	C	<i>Fraxinus latifolia</i> Benth. Oregon ash	150	500	18	505
26	C	<i>Fraxinus nigra</i> Marshall black ash	100	500	25	710
26	C	<i>Fraxinus pennsylvanica</i> Marshall var. <i>lanceolata</i> (Borkh.) Sarg. green ash	50	500	50	1,420
26	C	<i>Fraxinus pennsylvanica</i> Marshall var. <i>pennsylvanica</i> green ash	100	500	25	710
		<i>Fraxinus pennsylvanica</i> Marshall var. <i>subintegerrima</i> (Vahl) Fernald green ash	see <i>Fraxinus pennsylvanica</i> var. <i>pennsylvanica</i>			
1		<i>Fuchsia</i> spp. fuchsia	-	-	-	-
28	SC	<i>Gaillardia aristata</i> Pursh gaillardia, perennial	7	70	345	9,781

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
28	SC	<i>Gallardia pulchella</i> Foug. gaillardia, perennial	5	50	525	14,884
		<i>Gaillardia pulchella</i> Foug. var. <i>picta</i> (D. Don) A. Gray gaillardia, annual	see <i>Gaillardia pulchella</i> Foug			
28	SC	<i>Gaillardia</i> spp. gaillardia	-	-	-	-
28	SC	<i>Gazania rigens</i> (L.) Gaertn. pied gazania	11	110	235	6,705
27		hulled seed	6	60	425	12,000
1		<i>Geranium</i> spp. geranium	-	-	-	-
28	C	<i>Gerbera jamesonii</i> Adlam transvaal-daisy	-	-	-	-
39	C	<i>Geum</i> spp. geum	5	50	481	13,636
1		<i>Gilia leptantha</i> Parish blue gilia	2	20	1,211	34,331
1		<i>Gilia</i> spp. gilia	-	-	-	-
1		<i>Gilia tricolor</i> Benth. gilia	1	10	2,315	65,630
3		<i>Gladiolus</i> spp. gladiolus	-	-	-	-
10		<i>Glandularia</i> × <i>hybrida</i> (hort. ex Groenl. & Rümpler) G. L. Nesom & Pruski verbena	5	50	480	13,610
10		<i>Glandularia</i> spp. verbena	-	-	-	-
28		<i>Glebionis carinata</i> (Schousb.) Tzvelev annual chrysanthemum	-	-	-	-
28		<i>Glebionis coronaria</i> (L.) Cass. ex Spach garland, crown daisy, edible chrysanthemum	6.5	65	385	10,895
28		<i>Glebionis segetum</i> (L.) Fourr. annual chrysanthemum	-	-	-	-
2		<i>Gleditsia triacanthos</i> L. honey locust	400	500	6	175
2		<i>Glycine max</i> (L.) Merr. soybean	500	500	6-13	175-435
12	C	<i>Glyceria</i> spp. mannagrass	-	-	-	-
2		<i>Glycyrrhiza</i> spp. licorice	-	-	-	-
38	SC	<i>Gomphrena globosa</i> L. globe amaranth	9	90	271	7,683

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
8	C	<i>Gossypium</i> spp. cotton	300	500	8	225
38	SC	<i>Grayia spinosa</i> (Hook.) Moq. spiny hopsage	-	-	-	-
28		<i>Grindelia integrifolia</i> DC. Puget Sound gumplant, Willamette gumweed	9	90	277	7,854
28		<i>Grindelia</i> spp. gumweed, tarweed	-	-	-	-
3		<i>Grevillea robusta</i> A. Cunn. ex R. Br. silky-oak	40	400	66	1,875
50		<i>Gutierrezia</i> spp. snakeweed	-	-	-	-
1		<i>Gypsophila vaccaria</i> (L.) Sm. cow-cockle	14	140	185	5245
1		<i>Gypsophila</i> spp. baby's breath	2	20	820-1,225 (960)	23,247-34,729 (27,216)
50		<i>Hazardia</i> spp. goldenbush	-	-	-	-
2		<i>Hedysarum boreale</i> Nutt. var. <i>boreale</i> northern sweetvetch	19	190	130	3,690
2		<i>Hedysarum</i> spp. sweetvetch	-	-	-	-
28	C	<i>Helenium</i> spp. sneezeweed, helenium	0.5	5	4,695	133,105
1		<i>Helianthemum nummularium</i> (L.) Mill. rock rose	-	-	-	-
27		<i>Helianthus annuus</i> L. sunflower	100	500	-	-
27		<i>Helianthus maximiliani</i> Schrad. Maximilian's sunflower	6	60	466	13,206
27		<i>Helianthus</i> spp. sunflower: large and small seeded	-	-	-	-
		<i>Helichrysum bracteatum</i> (Vent.) Andrews helichrysum, strawflower	see <i>Xerochrysum bracteatum</i>			
27		<i>Heliomeris multiflora</i> Nutt. showy goldeneye	1.3	13	1,961	55,588
27		<i>Heliopsis helianthoides</i> (L.) Sweet heliopsis	10	100	262	7,428
27		<i>Heliopsis</i> spp. heliopsis	-	-	-	-
10		<i>Heliotropium</i> spp. heliotrope	1	10	1,910	54,150
		<i>Helipterum roseum</i> (Hook.) Benth. helipterum	see <i>Rhodanthe chlorocephala</i> subsp. <i>rosea</i>			

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
2		<i>Hesperis matronalis</i> L. dame's-rocket and sweet rocket	5	50	515	14,665
12	SC	<i>Hesperostipa comata</i> (Trin. & Rupr.) Barkworth needle-and-thread	15	150	100-350 (200)	2,800-9,900
12	SC	<i>Hesperostipa</i> spp. porcupine grass	-	-	-	-
12	SC	<i>Heteropogon</i> spp. tanglehead	-	-	-	-
1		<i>Heuchera sanguinea</i> Engelm. coralbell	0.2	2	26,315	746,030
1		<i>Hibiscus cannabinus</i> L. kenaf	50	500	-	-
8	C	<i>Hibiscus</i> spp. hibiscus	-	-	-	-
		<i>Hilaria jamesii</i> (Torr.) Benth. galleta grass	-	-	-	-
17 25		<i>Hilaria jamesii</i> (Torr.) Benth. galleta grass: other than caryopses caryopses	10 5	100 50	260 580	7,400 16,500
17	SC	<i>Hilaria</i> spp. curly-mesquite, hilaria	-	-	-	-
14	C	<i>Holcus lanatus</i> L. velvetgrass	1	10	3,360	95,060
39	SC	<i>Holodiscus</i> spp. ocean-spray	-	-	-	-
14		<i>Hordeum vulgare</i> L. subsp. <i>vulgare</i> barley	100	500	30	850
17	SC	<i>Hordeum</i> spp. meadow barley, wild barley	-	-	-	-
27		<i>Horkelia</i> spp. horkelia	-	-	-	-
1		<i>Hunnemannia fumariifolia</i> Sweet Mexican tulip-poppy	10	100	265	7,510
1		<i>Hypoestes phyllostachya</i> Baker polka-dot-plant	3	30	830	23,520
4		<i>Iberis amara</i> L. annual candytuft	-	-	-	-
4		<i>Iberis gibraltaria</i> L. perennial candytuft	-	-	-	-
4		<i>Iberis sempervirens</i> L. candytuft, iberis	9	90	290	8,220
4		<i>Iberis umbellata</i> L. globe candytuft	6	60	455	12,860
1		<i>Impatiens balsamina</i> L. balsam	22	220	112	3,175

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Impatiens walleriana</i> Hook. f. impatiens	2	20	1,610	45,644
2		<i>Indigofera hirsuta</i> L. hairy indigo	7	70	435	12,380
28		<i>Inula grandiflora</i> Willd. sunflower inula	see <i>Pentanema orientale</i> (Lam.) D. Gut. Larr. et al.			
28		<i>Inula orientalis</i> Lam. sunflower inula	see <i>Pentanema orientale</i> (Lam.) D. Gut. Larr. et al.			
1		<i>Ipomoea alba</i> L. moonflower, white morning-glory	500	500	4	113
1		<i>Ipomoea lobata</i> (Cerv.) Thell. Spanish-flag	47	470	55	1,560
		<i>Ipomoea</i> × <i>multifida</i> auct. mult. cardinal climber, hearts and honey vine	see <i>Ipomoea sloteri</i>			
1		<i>Ipomoea purpurea</i> (L.) Roth tall, wild or woolly morning-glory	54	500	46	1,304
1		<i>Ipomoea quamoclit</i> L. cypressvine, cypressvine morning-glory	35	350	72	2,041
1		<i>Ipomoea sloteri</i> (House) Ooststr. cardinal climber, hearts and honey vine	65	500	39	1,106
1		<i>Ipomoea</i> spp. cardinal climber	-	-	-	-
1		<i>Ipomoea tricolor</i> Cav. morning-glory	85	500	29	822
1		<i>Ipomopsis</i> spp. birds-eye	-	-	-	-
1		<i>Iris ensata</i> Thunb. Japanese iris	-	-	-	-
		<i>Iris kaempferi</i> Siebold ex Lem. Japanese iris	see <i>Iris ensata</i>			
1		<i>Iris</i> spp. iris	-	-	-	-
50		<i>Isocoma</i> spp. goldenbush	-	-	-	-
28		<i>Iva</i> spp. povertyweed	-	-	-	-
28		<i>Ivesia</i> spp. ivesia	-	-	-	-
1		<i>Juncus</i> spp. rush	-	-	-	-
1		<i>Kalanchoe blossfeldiana</i> Poelln. kalanchoe	-	-	-	-
30		<i>Kallstroemia</i> spp. desert-poppy	-	-	-	-
1		<i>Kniphofia</i> spp. tritoma, torchlily	7	70	365	10,348

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
		<i>Kochia prostrata</i> (L.) Schrad. forage kochia	<i>see Bassia prostrata</i>			
		<i>Kochia scoparia</i> (L.) Schrad. f. <i>trichophylla</i> (hort. ex Voss) Schinz & Thell. summer cypress, Mexican fire bush	<i>see Bassia scoparia</i> 'Trichophylla'			
14	C	<i>Koeleria macrantha</i> (Ledeb.) Schult. prairie junegrass	1	10	4,147	117,574
38	SC	<i>Krascheninnikovia lanata</i> (Pursh) A. D. J. Meeuse & A. Smit winterfat	12	120	213	6,040
9	C	<i>Kummerowia stipulacea</i> (Maxim.) Makino Korean lespedeza	5	50	525	14,885
9	C	<i>Kummerowia striata</i> (Thunb.) Schindl. common lespedeza, striate lespedeza	5	50	750	21,265
7		<i>Lablab purpureus</i> (L.) Sweet subsp. <i>purpureus</i> hyacinth bean	500	500	3	85
28		<i>Lactuca sativa</i> L. lettuce	3	30	1,036	29,371
28		<i>Lactuca</i> spp. lettuce, wild lettuce	-	-	-	-
1		<i>Lagenaria</i> spp. gourd: large and small seeded	437	500	6	170
35		<i>Lantana camara</i> L. lantana	-	-	-	-
5		<i>Larix decidua</i> Mill. European larch	15	150	170	4,810
5		<i>Larix kaempferi</i> (Lamb.) Carrière Japanese larch	10	100	260	7,380
5		<i>Larix occidentalis</i> Nutt. western larch	8	80	315	8,940
5		<i>Larix sibirica</i> Ledeb. Siberian larch	25	250	95	2,690
		<i>Larix ×eurolepis</i> A. Henry, nom. illeg. Dunkeld larch	<i>see Larix ×marschlinsi</i>			
5		<i>Larix ×marschlinsi</i> Coaz Dunkeld larch	10	100	240	6,750
30	SC	<i>Larrea</i> spp. creosotebush	-	-	-	-
50	C	<i>Lasthenia californica</i> DC. ex Lindl. California goldfields	0.5	5	5,589	158,455
50	C	<i>Lasthenia</i> spp. goldfields	-	-	-	-
2		<i>Lathyrus hirsutus</i> L. rough-pea	75	500	40	1,135

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
2		<i>Lathyrus latifolius</i> L. everlasting-pea	119	500	21	595
2		<i>Lathyrus odoratus</i> L. annual sweet-pea	197	500	13	370
2		<i>Lathyrus sylvestris</i> L. flat-pea	100	500	26	735
10		<i>Lavandula angustifolila</i> Mill. lavender	2.5	25	1000	28,362
30		<i>Lavatera trimestris</i> L. herb treemallow	17	170	150	4,252
50	SC	<i>Layia platyglossa</i> (Fisch. & C. A. Mey.) A. Gray tidytips daisy	3	30	750	21,262
2		<i>Lens culinaris</i> Medik. subsp. <i>culinaris</i> lentil	120	500	14-23 (20)	395-650
		<i>Leontopodium alpinum</i> Cass. edelweiss	see <i>Leontopodium nivale</i>			
27		<i>Leontopodium nivale</i> (Ten.) Hand. Mazz. edelweiss	0.3	3	8,770	248,630
2		<i>Lepidium sativum</i> L. garden cress	5	50	425	12,020
4		<i>Lepidium</i> spp. hoarycress, peppergrass, peppergrass	-	-	-	-
9	C	<i>Lespedeza cuneata</i> (Dum. Cours.) G. Don sericea lespedeza, Chinese lespedeza	3	30	820	23,250
		<i>Lespedeza hedysaroides</i> (Pall.) Kitag. Siberian lespedeza	see <i>Lespedeza juncea</i>			
9	C	<i>Lespedeza juncea</i> (L. f.) Pers. Siberian lespedeza	3	30	820	23,250
9		<i>Lespedeza</i> spp. lespedeza	-	-	-	-
		<i>Lespedeza stipulacea</i> Maxim. Korean lespedeza	see <i>Kummerowia stipulacea</i>			
		<i>Lespedeza striata</i> (Thunb.) Hook. & Arn. common lespedeza, striate lespedeza	see <i>Kummerowia striata</i>			
28		<i>Leucanthemum maximum</i> (Ramond) DC. max chrysanthemum	3	30	903	25,573
		<i>Leucoglossum paludosum</i> (Poir.) B. H. Wilcox et al. dwarf daisy	see <i>Mauranthemum paludosum</i>			
21	C	<i>Leymus cinereus</i> (Scribn. & Merr.) Á. Löve basin wildrye	8	80	317	9,000
28	C	<i>Liatris spicata</i> (L.) Willd. marsh blazingstar	8	80	386	10,937
28	C	<i>Liatris</i> spp. gayfeather	8	80	300	8,505
		<i>Libocedrus decurrens</i> Torr. incense cedar	see <i>Calocedrus decurrens</i>			

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
11	C	<i>Ligusticum</i> spp. ligusticum	-	-	-	-
1		<i>Lilium regale</i> E. H. Wilson regal lily	-	-	-	-
41		<i>Limnanthes alba</i> Hartw. ex Benth. meadowfoam	22.5	225	114	3,238
46	SC	<i>Limonium sinuatum</i> (L.) Mill. statice	-	-	-	-
1		<i>Linaria maroccana</i> Hook. f. linaria	0.2	2	14,040	398,015
1		<i>Linaria</i> spp. linaria	-	-	-	-
1		<i>Linum flavum</i> L. golden flax	-	-	-	-
1		<i>Linum grandiflorum</i> Desf. 'Rubrum' flowering flax, scarlet flax	10	100	290	8,222
1		<i>Linum lewisii</i> Pursh Lewis flax	6	60	360 - 530 (440)	10,200-15,000 (12,500)
1		<i>Linum perenne</i> L. perennial flax, blue flax	4	40	650	18,428
1		<i>Linum usitatissimum</i> L. flax	15	150	180	5,045
3		<i>Liquidambar styraciflua</i> L. sweetgum	10	100	247	7,010
26	C	<i>Liriodendron tulipifera</i> L. tulip-poplar, yellow-poplar	58	500	43	1,215
1		<i>Lobelia erinus</i> L. lobelia	-	-	-	-
4		<i>Lobularia maritima</i> (L.) Desv. sweet alyssum	0.9	9	2,745	77,821
21	C	<i>Lolium multiflorum</i> Lam. annual ryegrass (Italian ryegrass)	5	50	395-445 (420)	11,225- 12,560
21	C	<i>Lolium perenne</i> L. perennial ryegrass	5	50	465-595 (530)	13,155- 16,895
21	C	<i>Lolium ×hybridum</i> Hausskn. intermediate ryegrass	8	80	338	9,580
11	C	<i>Lomatium dissectum</i> (Nutt.) Mathias & Constance fernleaf biscuitroot	40	400	63	1804
11	C	<i>Lomatium nudicaule</i> (Pursh) J. M. Coult. & Rose barestem biscuitroot	38	380	68	1,926
11	C	<i>Lomatium</i> spp. biscuitroot	-	-	-	-
11	C	<i>Lomatium utriculatum</i> (Nutt.) J. M. Coult. & Rose spring gold, fine-leaf desert-parsley, common lomatium	3.7	37	713	20,220



Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
42	C	<i>Lomelosia caucasica</i> (M. Bieb.) Greuter & Burdet perennial scabiosa	33	330	75	2,125
2		<i>Lotus corniculatus</i> L. birdsfoot trefoil	3	30	815	23,115
2		<i>Lotus uliginosus</i> Schkuhr big trefoil	2	20	1,945	55,210
4	C	<i>Lunaria annua</i> L. lunaria, honesty, moneyplant	47	470	53	1,503
2		<i>Lupinus albus</i> L. white lupine	500	500	7	200
2		<i>Lupinus angustifolius</i> L. blue lupine	500	500	7	200
2		<i>Lupinus lepidus</i> Douglas ex Lindl. Pacific lupine	17	170	145	4,110
2		<i>Lupinus luteus</i> L. yellow lupine	300	500	9	225
2		<i>Lupinus perennis</i> L. wild lupine	59	500	45	1,275
2		<i>Lupinus polyphyllus</i> Lindl. lupine, Russell hybrids	63	500	40	1,135
2		<i>Lupinus rivularis</i> Douglas ex Lindl. riverbank lupine	39	390	65	1,848
2		<i>Lupinus</i> spp. lupine	-	-	-	-
2		<i>Lupinus subcarneus</i> Hook. Texas bluebonnet	83	550	30	850
2		<i>Lupinus succulentus</i> Douglas ex K. Koch Arroyo lupine	66	500	40	1,135
1		<i>Luzula comosa</i> E. Mey. Pacific woodrush	1.5	15	1,674	47,471
		<i>Lychnis chalcedonica</i> L. Jerusalem-cross, Maltese-cross	see <i>Silene chalcedonica</i>			
		<i>Lychnis coronaria</i> (L.) Desr. rose campion, mullein-pink	see <i>Silene coronaria</i>			
		<i>Lychnis viscaria</i> L. clammy campion	see <i>Silene viscaria</i>			
32		<i>Lycium</i> spp. peachthorn	-	-	-	-
		<i>Lycopersicon esculentum</i> Mill. var. <i>esculentum</i> tomato	see <i>Solanum lycopersicum</i> var. <i>lycopersicum</i>			
		<i>Lycopersicon lycopersicum</i> (L.) H. Karst. tomato	see <i>Solanum lycopersicum</i> var. <i>lycopersicum</i>			
1		<i>Lysimachia arvensis</i> (L) U. Manns & Anderb. anagallis, scarlet pimpernel	2	20	1,200	34,035
1		<i>Lysimachia monelli</i> (L.) U. Manns & Anderb. anagallis	-	-	-	-

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Lythrum salicaria</i> L. purple loosestrife	-	-	-	-
28	SC	<i>Machaeranthera tanacetifolia</i> (Kunth) Nees Tahoka daisy, tansy aster	3	30	900	25,515
27		<i>Madia elegans</i> D. Don common madia	6	60	460	13,030
27		<i>Madia gracilis</i> (Sm.) D. D. Keck grassy tarweed, slender tarweed	4	40	657	18,616
27		<i>Madia</i> spp. madia	-	-	-	-
1		<i>Magnolia grandiflora</i> L. southern magnolia	200	500	14	400
50		<i>Malacothrix</i> spp. snake's-head	-	-	-	-
2		<i>Malcolmia maritima</i> (L.) W.T. Aiton Virginia stocks	1	10	2,199	62,341
1		<i>Malus</i> spp. apple	50	500	45	1,250
1		<i>Malus</i> spp. crabapple	20	200	145	4,130
27		<i>Matricaria chamomilla</i> L. Sweet false chamomile, wild chamomile	0.2	2	13,700	388,395
		<i>Matricaria recutita</i> L. Sweet false chamomile, wild chamomile	see <i>Matricaria chamomilla</i>			
27		<i>Matricaria</i> spp. matricaria	-	-	-	-
4	C	<i>Matthiola incana</i> (L.) W.T. Aiton common stocks	3	30	816	23,134
4	C	<i>Matthiola longipetala</i> (Vent.) DC. subsp. <i>bicornis</i> (Sm.) P. W. Ball evening-scented stocks	-	-	-	-
28		<i>Mauranthemum paludosum</i> (Poir.) Vogt & Oberpr. dwarf daisy	1	10	1,815	51,455
9	C	<i>Medicago arabica</i> (L.) Huds. spotted burclover: in bur out of bur	50 5	500 50	50 550	1,390 15,620
9		<i>Medicago lupulina</i> L. black medic	5	50	585	16,615
2		<i>Medicago orbicularis</i> (L.) Bartal. buttonclover	7	70	335	9,555
9	C	<i>Medicago polymorpha</i> L. California burclover: in bur out of bur	50 7	500 70	375	10,650
2		<i>Medicago sativa</i> L. alfalfa	5	50	500	14,175

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
14	C	<i>Megathyrsus maximus</i> (Jacq.) B. K. Simon & S. W. L. Jacobs guineagrass	2	20	2,205	62,540
14	C	<i>Megathyrsus maximus</i> (Jacq.) B. K. Simon & S. W. L. Jacobs green panicgrass	2	20	1,305	36,995
14	C	<i>Melica</i> spp. melicgrass	-	-	-	-
9		<i>Melilotus albus</i> Medik. white sweetclover	5	50	570	16,160
9		<i>Melilotus indicus</i> (L.) All. sourclover	5	50	660	18,770
9		<i>Melilotus officinalis</i> (L.) Lam. yellow sweetclover	5	50	570	16,160
14	C	<i>Melinis minutiflora</i> P. Beauv. molassesgrass	0.5	5	7,750	219,765
10		<i>Melissa officinalis</i> L. balm, lemon balm	1.5	15	1,713	48,563
10		<i>Mentha ×piperita</i> L. peppermint	-	-	-	-
28	C	<i>Microseris laciniata</i> (Hook.) Sch. Bip. cutleaf silverpuffs	3	30	820	23,235
31		<i>Mimosa pudica</i> L. sensitive-plant	15	150	170	4,820
		<i>Mimulus ×hybridus</i> hort. ex Voss tiger monkeyflower	See <i>Erythranthe ×hybrida</i> (hort. ex Voss) Silverside			
42		<i>Mirabilis jalapa</i> L. marvel-of-Peru, common four-o'clock	210	500	12	340
10		<i>Moluccella laevis</i> L. bells-of-Ireland	14	140	180	5,103
10		<i>Monarda citriodora</i> Cerv. ex Lag. lemon mint	1	10	2,120	60,102
10		<i>Monarda didyma</i> L. bergamot	-	-	-	-
10		<i>Monarda fistulosa</i> L. wild bergamot	-	-	-	-
		<i>Mucuna deeringiana</i> (Bort) Merr. velvetbean	see <i>Mucuna pruriens</i> var. <i>utilis</i>			
7		<i>Mucuna pruriens</i> (L.) DC. var. <i>utilis</i> (Wall. ex Wight) Baker ex Burck velvetbean	500	500	2	55
13		<i>Muhlenbergia</i> spp. muhly, scratch grass	-	-	-	-
10		<i>Myosotis scorpioides</i> L. myosotis, common forget-me-not	-	-	-	-

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
10		<i>Myosotis sylvatica</i> Hoffm. garden forget-me-not	2	20	1,565	44,368
12		<i>Nassella viridula</i> (Trin.) Barkworth green needlegrass	7	70	370	10,490
12		<i>Nassella</i> spp. needlegrass	-	-	-	-
2		<i>Nasturtium officinale</i> W.T. Aiton watercress	0.5	5	5,170	146,625
3	C	<i>Nemesia</i> spp. nemesia	0.4	4	6,135	173,925
1		<i>Nemophila maculata</i> Benth. ex Lindl. spotted nemophila	15	150	165	4,678
1		<i>Nemophila menziesii</i> Hook. & Arn. nemophila, baby-blue-eyes	5	50	535	15,167
		<i>Nemophila menziesii</i> Hook. & Arn. subsp. <i>insignis</i> (Douglas ex Benth.) Brand nemophila, baby-blue-eyes	see <i>Nemophila menziesii</i>			
10		<i>Nepeta cataria</i> L. catnip	1.5	15	1,707	48,387
1		<i>Nicotiana alata</i> Link & Otto, <i>N. ×sanderæ</i> W. Watson nicotiana, flowering tobacco, Jasmine tobacco	0.3	3	9,435	267,482
1		<i>Nicotiana tabacum</i> L. tobacco	0.5	5	15,625	442,970
1		<i>Nierembergia</i> spp. cupflower, nierembergia	0.4	4	6,330	179,456
1		<i>Nigella damascena</i> L. nigella, love-in-a-mist	6	60	426	12,077
35		<i>Nyssa aquatica</i> L. water tupelo	500	500	1	30
35		<i>Nyssa sylvatica</i> Marshall black tupelo	300	500	7	210
10		<i>Ocimum basilicum</i> L. sweet basil	4	40	702	19,902
1		<i>Oenothera agrillicola</i> Mack. evening-primrose	1	10	2,480	70,308
1		<i>Oenothera biennis</i> L. common evening-primrose	-	-	-	-
1		<i>Oenothera macrocarpa</i> Nutt. Ozark sundrops, Missouri primrose	12	120	210	5,954
1		<i>Oenothera pallida</i> Lindl. jasmine evening-primrose, pale evening-primrose	-	-	-	-
1		<i>Oenothera</i> spp. evening-primrose, gaura	-	-	-	-
12		<i>Oloptum miliaceum</i> (L.) Röser & Hamasha smilgrass	2	20	2,010	57,025

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
9		<i>Onobrychis viciifolia</i> Scop. sainfoin	50	500	50	1,420
10		<i>Origanum majorana</i> L. sweet marjoram	0.6	6	4335	122,910
14		<i>Oryza sativa</i> L. rice	50	500	65	1,870
		<i>Oryzopsis hymenoides</i> (Roem. & Schult.) Ricker ex Piper Indian ricegrass	<i>see Achnatherum hymenoides</i>			
		<i>Oryzopsis miliacea</i> (L.) Benth. & Hook. f. ex Asch. & Schweinf. smilgrass	<i>see Piptatherum miliaceum</i>			
		<i>Panicum anceps</i> Michx. beaked panicgrass	<i>See Coleataenia anceps</i> (Michx.) Soreng			
14		<i>Panicum antidotale</i> Retz. blue panicgrass	2	20	1,370	38,895
		<i>Panicum maximum</i> Jacq. guineagrass, green panicgrass	<i>see Megathyrsus maximus</i>			
		<i>Panicum maximum</i> Jacq. var. <i>trichoglume</i> Robyns green panicgrass	<i>see Megathyrsus maximus</i>			
14		<i>Panicum miliaceum</i> L. subsp. <i>miliaceum</i> proso millet	15	150	185	5,300
14		<i>Panicum virgatum</i> L. switchgrass	4	40	485-655 (570)	13,780- 18,595
14		<i>Panicum</i> spp. panicgrass	-	-	-	-
1		<i>Papaver glaucum</i> Boiss. & Hausskn. tulip poppy	-	-	-	-
1		<i>Papaver nudicaule</i> L. Iceland poppy	0.4	4	6,125	173,644
1		<i>Papaver orientale</i> L. Oriental poppy	0.7	7	3,497	99,140
1		<i>Papaver rhoeas</i> L. corn poppy, Shirley poppy	0.4	4	7,340	208,089
22	C	<i>Pascopyrum smithii</i> (Rydb.) Barkworth & D.R. Dewey western wheatgrass	10	100	250	7,115
14	C	<i>Paspalum dilatatum</i> Poir. dallisgrass	4	40	620	17,575
14		<i>Paspalum notatum</i> Flügge bahiagrass (cultivars other than 'Pensacola')	5	50	600	17,040
23		<i>Paspalum notatum</i> Flügge bahiagrass 'Pensacola'	5	50	600	17,040
14	C	<i>Paspalum urvillei</i> Steud. vaseygrass	3	30	970	27,550
14		<i>Paspalum</i> spp. paspalum	-	-	-	-
11	C	<i>Pastinaca sativa</i> L. parsnip	5	50	430	12,160

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
44 1	C	<i>Pelargonium</i> spp. geranium hulled seed	15 12	150 120	170 214	4,820 6,067
		<i>Pennisetum americanum</i> (L.) Leeke pearl millet	see <i>Cenchrus americanus</i>			
		<i>Pennisetum ciliare</i> (L.) Link buffelgrass	see <i>Cenchrus ciliaris</i>			
		<i>Pennisetum glaucum</i> (L.) R. Br. pearl millet	see <i>Cenchrus americanus</i>			
		<i>Pennisetum purpureum</i> Schumach. napiergrass	see <i>Cenchrus purpureus</i>			
1		<i>Penstemon barbatus</i> (Cav.) Roth beardlip penstemon	-	-	-	-
1		<i>Penstemon eatonii</i> A. Gray firecracker penstemon, Eaton's penstemon	3.5	35	735	20,900
1		<i>Penstemon grandiflorus</i> Nutt. shell-leaf penstemon, shell-leaf beardtongue, large-flower beardtongue, large beardtongue	-	-	-	-
1		<i>Penstemon hirsutus</i> (L.) Willd. hairy beardtongue, northeastern beardtongue	-	-	-	-
1		<i>Penstemon laevigatus</i> Aiton eastern smooth beardtongue	-	-	-	-
1		<i>Penstemon palmeri</i> A. Gray Palmer penstemon	2	20	1,250	35,500
1		<i>Penstemon penlandii</i> W. A. Weber Penland's beardtongue	3.6	36	693	19,647
1		<i>Penstemon</i> spp. penstemon, beardtongue	-	-	-	-
1		<i>Penstemon strictus</i> Benth. Rocky Mountain penstemon, Rocky Mountain beardtongue	2	20	1,080	30,618
28		<i>Pentanema orientale</i> (Lam.) D. Gut. Larr. et al. sunflower inula	-	-	-	-
28		<i>Pericallis cruenta</i> (Masson ex L'Hér.) Bolle common cineraria	-	-	-	-
11	C	<i>Perideridia oregana</i> (S. Watson) Mathias Oregon yampah	3	30	882	25,015
1		<i>Peritoma serrulata</i> (Pursh) DC. Rocky Mountain beeplant	17	170	150	4,250
29		<i>Persicaria capitata</i> (Buch.-Ham.ex D.Don) H.Gross fleece flower	-	-	-	-
29		<i>Persicaria</i> spp. smartweed	-	-	-	-
11		<i>Petroselinum crispum</i> (Mill.) Fuss parsley	5	50	650	18,370

Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Petunia</i> spp. petunia	0.2	2	10,415	295,313
1		<i>Phacelia campanularia</i> A. Gray harebell phacelia	2	20	1,815	51,455
1		<i>Phacelia minor</i> (Harv.) Thell. bluebell phacelia	-	-	-	-
1		<i>Phacelia tanacetifolia</i> Benth. tansy phacelia	5	50	540	15,309
1		<i>Phacelia</i> spp. phacelia, scorpionweed	-	-	-	-
14		<i>Phalaris aquatica</i> L. hardinggrass	3	30	750	21,300
14		<i>Phalaris arundinacea</i> L. reed canarygrass	2	20	1,185	33,620
14		<i>Phalaris canariensis</i> L. canarygrass	20	200	150	4,255
		<i>Phalaris stenoptera</i> Hack. hardinggrass	see <i>Phalaris aquatic</i>			
2		<i>Phaseolus coccineus</i> L. scarlet runner bean	500	500	1	-
2		<i>Phaseolus lunatus</i> L. lima bean	500	500	2	55
2		<i>Phaseolus vulgaris</i> L. field bean, garden bean	500	500	4	115
12		<i>Phleum pratense</i> L. timothy	1	10	2,405-2,725 (2,565)	68,150- 77,250
1		<i>Phlox drummondii</i> Hook. Drummond phlox	5	50	525	14,884
1		<i>Physalis alkekengi</i> L. Chinese lanternplant	4	40	660	18,711
1		<i>Physalis pubescens</i> L. husk tomato	2	20	1,240	35,155
1		<i>Physalis</i> spp. physalis	-	-	-	-
2		<i>Picea abies</i> (L.) H. Karst. Norway spruce	20	200	140	4,000
2		<i>Picea engelmannii</i> Parry ex Engelm. Engelmann spruce	8	80	300	8,440
2		<i>Picea glauca</i> (Moench) Voss white spruce	6	60	405	11,500
2		<i>Picea glauca</i> (Moench) Voss 'Densata' Black Hills spruce	5	50	510	14,400
2		<i>Picea glauca</i> (Moench) Voss western white spruce, Alberta white spruce	6	60	415	11,800
2		<i>Picea glehnii</i> (F. Schmidt) Mast. Sakhalin spruce	8	80	300	8,520

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
2		<i>Picea jezoensis</i> (Siebold & Zucc.) Carrière yeddo spruce	6	60	405	11,500
2		<i>Picea koyamae</i> Shiras. Koyama spruce	8	80	310	8,770
2		<i>Picea mariana</i> (Mill.) Britton et al. black spruce	3	30	890	25,300
2		<i>Picea omorika</i> (Pancic) Purk. Serbian spruce	8	80	320	9,080
2		<i>Picea orientalis</i> (L.) Link Oriental spruce	15	150	175	4,780
2		<i>Picea polita</i> (Siebold & Zucc.) Carrière tigertail spruce	40	400	65	1,810
2		<i>Picea pungens</i> Engelm., including Glauca group blue spruce and Colorado blue spruce	10	100	235	6,630
2		<i>Picea rubens</i> Sarg. red spruce	8	80	310	8,750
2		<i>Picea sitchensis</i> (Bong.) Carrière Sitka spruce	5	50	465	13,100
11		<i>Pimpinella anisum</i> L. anise	7	70	361	10,227
2		<i>Pinus albicaulis</i> Engelm. whitebark pine	300	500	8	225
2		<i>Pinus aristata</i> Engelm. bristlecone pine	50	500	50	1,440
2		<i>Pinus banksiana</i> Lamb. jack pine	9	90	281	7,965
2		<i>Pinus canariensis</i> C. Sm. Canary Island pine	275	500	9	260
2		<i>Pinus caribaea</i> Morelet Caribbean pine	45	450	55	1,560
2		<i>Pinus cembra</i> L. Swiss stone pine	500	500	4	115
2		<i>Pinus cembroides</i> Zucc. Mexican pinyon pine	500	500	4	115
2		<i>Pinus clausa</i> (Chapm. ex Engelm.) Vasey ex Sarg. sand pine	25	250	101	2,875
2		<i>Pinus contorta</i> Douglas ex Loudon incl. var. <i>latifolia</i> Engelm. ex S. Watson shore pine, lodgepole pine	11	110	228	6,455
2		<i>Pinus coulteri</i> D. Don Coulter pine, bigcone pine	500	500	3	85
2		<i>Pinus densiflora</i> Siebold & Zucc. Japanese red pine	25	250	100	2,810
2		<i>Pinus echinata</i> Mill. shortleaf pine	28	280	88	2,505



**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
2		<i>Pinus elliottii</i> Engelm. slash pine	96	500	26	735
2		<i>Pinus flexilis</i> E. James limber pine	250	500	10	275
2		<i>Pinus glabra</i> Walter spruce pine	25	250	102	2,900
2		<i>Pinus halepensis</i> Mill. Aleppo pine	50	500	55	1,560
2		<i>Pinus heldreichii</i> Christ Bosnian pine	50	500	45	1,220
2		<i>Pinus jeffreyi</i> Balf. Jeffrey pine	300	500	7	200
2		<i>Pinus kesiya</i> Royle ex Gordon Khasia pine	50	500	51	1,440
2		<i>Pinus lambertiana</i> Douglas sugar pine	500	500	5	130
		<i>Pinus leucodermis</i> Antoine Bosnian pine	see <i>Pinus heldreichii</i>			
2		<i>Pinus luchuensis</i> Mayr Formosa pine	30	300	80	2,260
2		<i>Pinus merkusii</i> Jungh. & de Vriese Merkus pine	65	500	39	1,100
2		<i>Pinus monticola</i> Douglas ex D. Don western white pine	47	470	53	1,500
2		<i>Pinus mugo</i> Turra var. <i>mughus</i> (Scop.) Zenari Mugo Swiss mountain pine	15	150	180	5,150
2		<i>Pinus mugo</i> Turra var. <i>mugo</i> Swiss mountain pine	20	200	135	3,880
2		<i>Pinus muricata</i> D. Don bishop pine	25	250	102	2,900
2		<i>Pinus nigra</i> J. F. Arnold subsp. <i>laricio</i> Maire Corsican pine	30	300	70	2,010
2		<i>Pinus nigra</i> J. F. Arnold subsp. <i>nigra</i> Austrian pine	50	500	55	1,630
		<i>Pinus nigra</i> J. F. Arnold var. <i>poiretiana</i> (Antoine) C. K. Schneid. Corsican pine	see <i>Pinus nigra</i> subsp. <i>laricio</i>			
5		<i>Pinus palustris</i> Mill. longleaf pine	224	500	11	315
2		<i>Pinus parviflora</i> Siebold & Zucc. Japanese white pine	250	500	9	265
2		<i>Pinus patula</i> Schltld. & Cham. Jelecote pine	20	200	116	3,300
2		<i>Pinus pinaster</i> Aiton cluster pine	110	500	22	625

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
2		<i>Pinus pinea</i> L. Italian stone pine	500	500	1	40
2		<i>Pinus ponderosa</i> P. Lawson & C. Lawson ponderosa pine, western yellow pine	98	500	25	720
2		<i>Pinus radiata</i> D. Don Monterey pine	80	500	30	830
2		<i>Pinus resinosa</i> Aiton red pine, Norway pine	23	230	110	3,130
2		<i>Pinus rigida</i> Mill. pitch pine	20	200	135	3,880
2		<i>Pinus serotina</i> Michx. pond pine	20	200	120	3,400
2		<i>Pinus strobus</i> L. eastern white pine	46	460	54	1,525
2		<i>Pinus sylvestris</i> L. Scotch pine, Scots pine	18	180	141	3,990
2		<i>Pinus taeda</i> L. loblolly pine	67	500	38	1,065
2		<i>Pinus thunbergii</i> Parl. Japanese black pine	30	300	75	2,130
2		<i>Pinus virginiana</i> Mill. Virginia pine, scrub pine	24	240	106	3,000
2		<i>Pinus wallichiana</i> A. B. Jacks. Himalayan pine	125	500	20	570
		<i>Piptatherum miliaceum</i> (L.) Coss. smilgrass	see <i>Oloptum miliaceum</i>			
2		<i>Pisum sativum</i> L. subsp. <i>sativum</i> var. <i>arvense</i> (L.) Poir. field pea	500	500	4	115
2		<i>Pisum sativum</i> L. subsp. <i>sativum</i> var. <i>sativum</i> garden pea	500	500	3	85
37	C	<i>Platanus occidentalis</i> L. American sycamore, American planetree	8	80	307	8,715
2		<i>Platycladus orientalis</i> (L.) Franco Oriental arborvitae, Chinese arborvitae	50	500	50	1,450
1		<i>Platycodon grandiflorus</i> (Jacq.) A. DC. balloon-flower	2	20	1,155	32,744
27		<i>Plectocephalus americana</i> (Nutt.) D. Don basket-flower	34	340	75	2,125
10		<i>Plectranthus scutellarioides</i> (L.) R. Br. common coleus	0.6	6	2,900-5,100 (4,010)	82,215-144,585 (113,684)
28	C	<i>Plectritis congesta</i> (Lindl.) DC. shortspur seablush	2.4	24	1,053	29,838
		<i>Pleuraphis jamesii</i> Torr. galleta grass	see <i>Hilaria jamesii</i>			

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
17	C	<i>Pleuraphis</i> spp. tobosagrass	-	-	-	-
1		<i>Plumbago auriculata</i> Lam. Cape plumbago	-	-	-	-
14	C	<i>Poa annua</i> L. annual bluegrass	1	10	2,635	74,730
14	C	<i>Poa arachnifera</i> Torr. Texas bluegrass	1	10	2,500	71,000
47	C	<i>Poa bulbosa</i> L. bulbous bluegrass	4	40	585	16,640
23	C	<i>Poa compressa</i> L. Canada bluegrass	0.5	5	5,050	143,165
14	C	<i>Poa glauca</i> Vahl glaucantha bluegrass	1	10	-	-
		<i>Poa glaucanthos</i> Gaudin glaucantha bluegrass	see <i>Poa glauca</i>			
14	C	<i>Poa nemoralis</i> L. wood bluegrass	0.5	5	4,330	122,725
		<i>Poa nevadensis</i> Vasey ex Scribn. Nevada bluegrass	see <i>Poa secunda</i>			
23	C	<i>Poa pratensis</i> L. (incl. all cvs.) Kentucky bluegrass	1	10	2,250-3,875 (3,065)	63,845-109,885
14	C	<i>Poa secunda</i> J. Presl Nevada bluegrass	1.2	12	2,096	59,434
23	C	<i>Poa trivialis</i> L. rough bluegrass	0.5	5	4,610	130,645
		<i>Polygonum capitatum</i> Buch.-Ham. ex D. Don fleecy flower	see <i>Persicaria capitate</i>			
8	C	<i>Populus</i> spp. poplar	0.5		1,000-6,000	30,000-180,000
6		<i>Portulaca grandiflora</i> Hook. portulaca	0.3	3	9,709	275,250
27		<i>Potentilla gracilis</i> Douglas ex Hook. slender cinquefoil	0.7	7	3,802	107,779
1		<i>Primula auricula</i> L. auricula	0.7	7	3,545	100,500
1		<i>Primula</i> × <i>polyantha</i> Mill. polyanthus	2	20	1,230	34,870
1		<i>Primula</i> spp. primrose	-	-	-	-
1		<i>Proboscidea louisianica</i> (Mill.) Thell. subsp. <i>louisianica</i> martynia, devil's-claw, unicorn-plant	-	-	-	-
10		<i>Prunella vulgaris</i> L. subsp. <i>lanceolata</i> (W. P. C. Barton) Piper & Beattie lance selfheal	3	30	905	25,662

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
34		<i>Prunus armeniaca</i> L. apricot	500	500	1	19
34		<i>Prunus avium</i> (L.) L. cherry	400	500	6	165
34		<i>Prunus domestica</i> L. plum, prune	500	500	2	50
34		<i>Prunus persica</i> (L.) Batsch peach	1,500	1,500	-	7
34		<i>Prunus</i> spp. chokecherry	-	-	-	-
21	C	<i>Psathyrostachys juncea</i> (Fisch.) Nevski Russian wildrye	6	60	345-370 (360)	9,810- 10,515
28		<i>Psephellus dealbatus</i> (Willd.) K. Koch Persian coneflower	19	190	130	3,685
50		<i>Pseudognaphalium</i> spp. rabbit-tobacco	-	-	-	-
		<i>Pseudolysimachion longifolium</i> (L.) Opiz garden speedwell	see <i>Veronica longifolia</i>			
		<i>Pseudolysimachion spicatum</i> (L.) Opiz spike speedwell	see <i>Veronica spicata</i>			
21	C	<i>Pseudoroegneria spicata</i> (Pursh) Á. Löve beardless wheatgrass	8	80	275	7,855
5		<i>Pseudotsuga menziesii</i> (Mirb.) Franco grey Douglas fir, var. <i>caesia</i> (Beissn.) Franco and blue Douglas fir, var. <i>glauca</i> (Beissner) Franco	30	300	85	2,380
5		<i>Pseudotsuga menziesii</i> (Mirb.) Franco var. <i>menziesii</i> green Douglas fir	25	250	95	2,630
46	SC	<i>Psylliostachys suworowii</i> (Regel) Roshkova statice	-	-	-	-
23		<i>Puccinellia distans</i> (Jacq.) Parl. weeping alkaligrass	0.6	6	4,107	116,424
		<i>Pueraria lobata</i> (Willd.) Ohwi kudzu	see <i>Pueraria montana</i> var. <i>lobata</i>			
7		<i>Pueraria montana</i> (Lour.) Merr. var. <i>lobata</i> (Willd.) Maesen & S. M. Almeida ex Sanjappa & Predeep kudzu	25	250	80	2,295
		<i>Pulsatilla vulgaris</i> Mill. anemone	see <i>Anemone pulsatilla</i>			
39	C	<i>Purshia mexicana</i> (D. Don) S. L. Welsh cliff-rose	19	190	130	3,650
2	C	<i>Purshia tridentata</i> (Pursh) DC. antelope bitterbrush	70	500	37	1,050
		<i>Pyrethrum</i> spp. painted-daisy, pyrethrum	see <i>Tanacetum</i> spp.			

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1		<i>Pyrus communis</i> L. pear	70	500	35	940
1		<i>Pyrus</i> spp. pear	-	-	-	-
33		<i>Quercus alba</i> L. white oak	1,750	1,750	-	8
33		<i>Quercus muehlenbergii</i> Engelm. chinkapin oak	560	560	-	25
33		<i>Quercus</i> spp. (red or black oak group)	700	700	-	20
33		<i>Quercus virginiana</i> Mill. live oak	630	630	-	22
39	C	<i>Ranunculus occidentalis</i> Nutt. western buttercup	6	60	416	11,787
39	C	<i>Ranunculus orthorhynchus</i> Hook. straight-beak buttercup	11	110	238	6,761
39	C	<i>Ranunculus</i> spp. ranunculus	-	-	-	-
2		<i>Raphanus sativus</i> L. radish	30	300	75	2,125
28		<i>Ratibida columnifera</i> (Nutt.) Wooton & Standl. Mexican hat, prairie coneflower	2	20	1,625	46,069
28		<i>Ratibida</i> spp. coneflower	-	-	-	-
1		<i>Reseda odorata</i> L. common mignonette	3	30	845	23,955
		<i>Rheum × hybridum</i> Murray rhubarb	see <i>Rheum × rhabarbarum</i>			
29	C	<i>Rheum × rhabarbarum</i> L. rhubarb	42	420	60	1,700
28		<i>Rhodanthe chlorocephala</i> (Turcz.) Paul G. Wilson subsp. <i>rosea</i> (Hook.) Paul G. Wilson helipterum	7	70	334	9,469
3		<i>Rhododendron</i> spp. rhododendron	0.5	5	11,000	312,500
6		<i>Ricinus communis</i> L. castorbean	500	500	5	140
7		<i>Robinia pseudoacacia</i> L. black locust	50	500	55	1,500
		<i>Rorippa nasturtium-aquaticum</i> (L.) Hayek watercress	see <i>Nasturtium officinale</i>			
32		<i>Rosa multiflora</i> Thunb. multiflora rose	25	250	100	2,810
10		<i>Rosmarinus officinalis</i> L. rosemary	3	30	802	22,735

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
27		<i>Rudbeckia hirta</i> L. black-eyed-Susan	1	10	3,200	90,720
29		<i>Rumex acetosa</i> L. sorrel	2	20	1,080	30,590
1		<i>Sagina subulata</i> (Sw.) C. Presl pearlwort	-	-	-	-
1		<i>Saintpaulia</i> spp. African violet	-	-	-	-
1		<i>Salpiglossis sinuata</i> Ruiz & Pav. 'Gloxiniiflora' painted-tongue, salpiglossis	0.6	6	4,310	122,189
10		<i>Salvia coccinea</i> Buc'hoz ex Etl. Texas sage	3	30	717	20,327
10		<i>Salvia farinacea</i> Benth. mealy-cup sage (blue-bedder)	3	30	750	21,262
10		<i>Salvia officinalis</i> L. sage	21	210	120	3,435
10		<i>Salvia splendens</i> Sellow ex Schult. scarlet sage	9	90	270	7,655
40	C	<i>Sanguisorba annua</i> (Nutt.) Nutt. prairie burnet	5	50	528	14,989
40	C	<i>Sanguisorba minor</i> Scop. little burnet	25	250	110	3,070
28		<i>Sanvitalia procumbens</i> Lam. Mexican creeping zinnia	2	20	1,635	46,350
1		<i>Saponaria ocymoides</i> L. rock saponaria, rock soapwort	5	50	510	14,460
10		<i>Satureja hortensis</i> L. summer savory	1.5	15	1,750	49,700
42	SC	<i>Scabiosa atropurpurea</i> L. annual mourning-bride	15	150	170	4,820
		<i>Scabiosa caucasica</i> M. Bieb. perennial scabiosa	see <i>Lomelosia caucasica</i>			
16	SC	<i>Schizachyrium scoparium</i> (Michx.) Nash little bluestem	5	50	525	14,855
1		<i>Schizanthus</i> spp. butterfly flower, poor-man's orchid, schizanthus	2	20	1,440	40,824
28		<i>Scirpus cyperinus</i> (L.) Kunth wool-grass	0.07	0.7	40,106	1,136,988
28		<i>Scirpus</i> spp. bulrush	-	-	-	-
12		<i>Secale cereale</i> L. subsp. <i>cereale</i> rye	75	500	40	1,135
		<i>Secale montanum</i> Guss. mountain rye	see <i>Secale strictum</i> subsp. <i>strictum</i>			

Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
12		<i>Secale strictum</i> (C. Presl) C. Presl subsp. <i>strictum</i> mountain rye	28	280	90	2,500
2		<i>Securigera varia</i> (L.) Lassen crownvetch	10	100	305	8,635
1		<i>Sedum acre</i> L. gold-moss sedum	0.2	2	20,835	590,670
1		<i>Sempervivum</i> spp. hen-and-chickens	-	-	-	-
		<i>Senecio cruentus</i> (Masson ex L'Hér.) DC. common cineraria	see <i>Pericallis cruenta</i>			
2		<i>Senegalia</i> spp. acacia	-	-	-	-
4	C	<i>Sequoia sempervirens</i> (D. Don) Endl. redwood	12	120	210	5,950
4	C	<i>Sequoiadendron giganteum</i> (Lindl.) J. Buchholz giant sequoia	12	120	200	5,670
1		<i>Sesamum indicum</i> L. sesame	7	70	360	10,205
2		<i>Sesbania exaltata</i> (Raf.) Rydb. hemp sesbania	25	250	105	2,980
		<i>Sesbania macrocarpa</i> Muhl. ex Raf., illeg. hemp sesbania	see <i>Sesbania exaltata</i>			
14		<i>Setaria italica</i> (L.) P. Beauv. Italian millet	5	50	405-550 (480)	11,510-15,565
30	C	<i>Sidalcea campestris</i> , Greene meadow checkermallow; meadow checkerbloom	16	160	160	4,547
30	C	<i>Sidalcea malviflora</i> (DC.) A. Gray dwarf checkerbloom	14	140	179	5,061
1		<i>Silene armeria</i> L. sweet-William catchfly	0.3	3	7,535	213,617
1		<i>Silene chalcedonica</i> (L.) E. H. L. Krause Jerusalem-cross, Maltese-cross	1	10	2,304	65,318
1		<i>Silene coeli-rosa</i> (L.) Godr. rose-of-heaven	0.6	6	4,330	122,755
1		<i>Silene coronaria</i> (L.) Clairv. rose campion, mullein-pink	1	10	1,920	54,430
1		<i>Silene viscaria</i> (L.) Jess. clammy campion, German catchfly	0.2	2	15,385	436,165
2		<i>Sinapis alba</i> L. white mustard	15	150	160	1
1		<i>Sinningia speciosa</i> (hort. Lodd. ex Ker Gawler) Hiem common gloxinia	-	-	-	-
1		<i>Sisyrinchium idahoense</i> E. P. Bicknell Idaho blue-eyed grass	5	50	523	14,657
		<i>Sixalix atropurpurea</i> (L.) Greuter & Burdet annual mourning-bride	see <i>Scabiosa atropurpurea</i> L.			

AOSA Rules for Testing Seeds

Table 2A. Weights for working samples

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
1	C	<i>Solanum lycopersicum</i> L. tomato	5	50	405	11,480
1		<i>Solanum melongena</i> L. eggplant	11	110	230	6,465
1		<i>Solanum</i> spp. solanum, nightshade	-	-	-	-
		<i>Solenostemon scutellarioides</i> (L.) Codd common coleus	see <i>Plectranthus scutellarioides</i>			
50	C	<i>Solidago odora</i> Aiton anise-scent goldenrod	0.2	2	11,400	323,182
50		<i>Solidago</i> spp. goldenrod	-	-	-	-
15	SC	<i>Sorghastrum nutans</i> (L.) Nash yellow indiagrass	7	70	350-440 (395)	9,865- 12,530
15	SC	<i>Sorghastrum</i> spp. indiagrass	-	-	-	
15		<i>Sorghum</i> 'Sorghass' <sup>e</sup> sorghum	15	150	135	3,770
15		<i>Sorghum ×almum</i> Parodi almum sorghum	15	150	150	4,225
15		<i>Sorghum bicolor</i> (L.) Moench subsp. <i>bicolor</i> broomcorn	40	400	60	1,705
15		<i>Sorghum bicolor</i> (L.) Moench subsp. <i>bicolor</i> sorghum (incl. grain, sweet, and forage cvs.)	70	500	25-82 (37)	709-2324 (1055)
15		<i>Sorghum bicolor</i> (L.) Moench nothosubsp. <i>drummondii</i> (Steud.) de Wet ex Davidse sorghum-sudangrass, shattercane	70	500	29-59 (41)	822-1673 (1170)
15		<i>Sorghum bicolor</i> (L.) Moench nothosubsp. <i>drummondii</i> (Steud.) de Wet ex Davidse sudangrass	25	250	85-110 (100)	2,355- 3,175
		<i>Sorghum ×drummondii</i> (Steud.) Nees ex Millsp. & Chase sorghum-sudangrass, sudangrass	see <i>Sorghum bicolor</i> nothosubsp. <i>drummondii</i>			
15		<i>Sorghum halepense</i> (L.) Pers. johnsongrass	10	100	265	7,455
		<i>Sorghum sudanense</i> (Piper) Stapf sudangrass	see <i>Sorghum bicolor</i> nothosubsp. <i>drummondii</i>			
		<i>Sorghum vulgare</i> Pers. broom corn, sorghum	see <i>Sorghum bicolor</i> subsp. <i>bicolor</i>			
13		<i>Spartina</i> spp. cordgrass	-	-	-	-
30		<i>Sphaeralcea</i> spp. globemallow	-	-	-	-
49		<i>Spinacia oleracea</i> L. spinach	25	250	100	2,835



Volume 1. Principles and Procedures

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
12		<i>Sporobolus cryptandrus</i> (Torr.) A. Gray sand dropseed	0.25	2.5	12,345	350,005
13		<i>Sporobolus</i> spp. dropseed	-	-	-	-
10		<i>Stachys byzantina</i> K. Koch lamb's-ears	5	50	549	15,564
		<i>Stipa viridula</i> Trin. green needlegrass	see <i>Nassella viridula</i>			
3	C	<i>Syringa vulgaris</i> L. common lilac	12	120	200	5,670
28		<i>Symphotrichum novae-angliae</i> (L.) G. L. Nesom New England aster	0.9	9	2,875	81,506
28		<i>Symphotrichum</i> spp. aster	-	-	-	-
28	C	<i>Tagetes erecta</i> L. African marigold	8	80	320	9,070
28	C	<i>Tagetes patula</i> L. French marigold	7	70	345	9,780
28	C	<i>Tagetes</i> spp. marigold	-	-	-	-
28	C	<i>Tagetes tenuifolia</i> Cav. signet marigold	2	20	1,260	35,720
28		<i>Tanacetum ptarmiciflorum</i> (Webb & Berthel.) Sch. Bip. Canary Island chrysanthemum	-	-	-	-
28		<i>Tanacetum</i> spp. painted-daisy, pyrethrum	6	60	400	11,340
28		<i>Tanacetum vulgare</i> L. common tansy	-	-	-	-
28		<i>Taraxacum officinale</i> F. H. Wigg. aggr. dandelion	2	20	1,240	35,155
1		<i>Tarenaya hassleriana</i> (Chodat) H. H. Iltis cleome, spiderflower	5	50	496	14,062
48		<i>Tetragonia tetragonoides</i> (Pall.) Kuntze New Zealand spinach	200	500	13	370
22		<i>Thinopyrum elongatum</i> (Host) D.R. Dewey tall wheatgrass	see <i>Thinopyrum ponticum</i>			
22	C	<i>Thinopyrum intermedium</i> (Host) Barkworth & D.R. Dewey subsp. <i>barbulatum</i> (Schur) Barkworth & D.R. Dewey pubescent wheatgrass	15	150	165-190 (180)	4,680- 5,445
22	C	<i>Thinopyrum intermedium</i> (Host) Barkworth & D.R. Dewey subsp. <i>intermedium</i> intermediate wheatgrass	15	150	160-190 (175)	4,595- 5,415
22	C	<i>Thinopyrum ponticum</i> (Podp.) Barkworth & D.R. Dewey tall wheatgrass	15	150	165	4,650 - 4,765

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
4	C	<i>Thuja occidentalis</i> L. northern white cedar, eastern arborvitae	3	30	765	21,600
		<i>Thuja orientalis</i> L. Oriental arborvitae, Chinese arborvitae	see <i>Platyclusus orientalis</i>			
4	C	<i>Thuja plicata</i> Donn ex D. Don western red cedar, giant arborvitae	3	30	915	25,900
1		<i>Thunbergia alata</i> Bojer ex Sims black-eyed-Susan-vine, clockvine, clockvine thunbergia	66	500	40	1,134
10		<i>Thymus serpyllum</i> L. mother-of-thyme	-	-	-	-
10		<i>Thymus vulgaris</i> L. common thyme	0.7	7	3,605	102,194
28		<i>Tithonia rotundifolia</i> (Mill.) S. F. Blake torch flower, tithonia	25	250	100	2,835
1		<i>Torenia fournieri</i> Linden ex E. Fourn. blue wishbone-flower	-	-	-	-
11		<i>Trachymene coerulea</i> Graham blue laceflower	7	70	360	10,206
28		<i>Tragopogon porrifolius</i> L. salsify	38	380	65	1,870
10		<i>Trichostema</i> spp. bluecurls	-	-	-	-
9		<i>Trifolium alexandrinum</i> L. berseem clover	5	50	455	12,930
9		<i>Trifolium campestre</i> Schreb. large hop clover	1	10	5,435	154,330
9		<i>Trifolium dubium</i> Sibth. small hop clover, suckling clover	2	20	1,950	55,225
9		<i>Trifolium fragiferum</i> L. strawberry clover	5	50	635	18,000
9		<i>Trifolium glomeratum</i> L. cluster clover	1	10	2,925	82,895
9		<i>Trifolium hirtum</i> All. rose clover	7	70	360	10,280
2		<i>Trifolium hybridum</i> L. alsike clover	2	20	1,500	42,525
9		<i>Trifolium incarnatum</i> L. crimson clover	10	100	330	9,360
9		<i>Trifolium lappaceum</i> L. lappa clover	2	20	1,500	42,525
2		<i>Trifolium michelianum</i> Savi balansa clover, big flowered clover	2.4	24	1,091	30,936
9		<i>Trifolium pratense</i> L. red clover	5	50	600	17,010
2		<i>Trifolium repens</i> L. white clover and ladino clover	2	20	1,500 - 2,000	42,000 - 55,000

Table 2A. Weights for working samples

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
9		<i>Trifolium resupinatum</i> L. Persian clover	2	20	1,415	40,145
2		<i>Trifolium semipilosum</i> Fresen. Kenya clover	2	20	-	-
9		<i>Trifolium subterraneum</i> L. subclover, subterranean clover	25	250	120	3,375
2		<i>Trifolium vesiculosum</i> Savi arrowleaf clover	4	40	705	20,000
9		<i>Trifolium</i> spp. clover	-	-	-	-
51		<i>Tripsacum dactyloides</i> (L.) L. eastern gamagrass	205	500	12	340
12		× <i>Triticosecale</i> Wittm. ex A. Camus spp. triticale	100	500	-	-
12		<i>Triticum aestivum</i> L. and other spp. wheat (also durum)	100	500	25	710
17		<i>Triticum aestivum</i> L. subsp. <i>spelta</i> (L.) Thell. spelt	100	500	25	710
		<i>Triticum dicoccon</i> emmer	see <i>Triticum turgidum</i> subsp. <i>dicoccon</i>			
17		<i>Triticum turgidum</i> L. subsp. <i>dicoccon</i> (Schrank) Thell. emmer	100	500	25	710
11		<i>Tropaeolum majus</i> L. nasturtium	319	500	8	225
11		<i>Tropaeolum</i> spp. nasturtium	-	-	-	-
2		<i>Tsuga canadensis</i> (L.) Carrière eastern hemlock, Canada hemlock	6	60	410	11,700
2		<i>Tsuga heterophylla</i> (Raf.) Sarg. western hemlock, Pacific hemlock	5.5	55	460	13,025
26	C	<i>Ulmus americana</i> L. American elm	15	150	150	4,250
26	C	<i>Ulmus parvifolia</i> Jacq. Chinese elm	7	70	355	10,000
26	C	<i>Ulmus pumila</i> L. Siberian elm	15	150	145	4,060
14		<i>Urochloa ramosa</i> (L.) T. Q. Nguyen browntop millet	8	80	315	8,900
		<i>Vaccaria hispanica</i> (Mill.) Rauschert cow-cockle	see <i>Gypsophila vaccaria</i> (L.) Sm.			
		<i>Vaccaria pyramidata</i> Medik. cow-cockle	see <i>Gypsophila vaccaria</i> (L.) Sm.			
2		<i>Vachellia</i> spp. acacia	-	-	-	-

AOSA Rules for Testing Seeds

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
32		<i>Valerianella locusta</i> (L.) Laterr. European cornsalad (full hearted cvs.) (all other cvs.)	5 10	50 50	380	10,775
		<i>Venidium fastuosum</i> (Jacq.) Stapf monarch-daisy	see <i>Arctotis fastuosa</i>			
10		<i>Verbena hastata</i> L. blue vervain	.75	7.5	3511	99537
		<i>Verbena</i> × <i>hybrida</i> hort. ex Groenl. & Rümpler verbena	see <i>Glandularia</i> × <i>hybrida</i>			
10		<i>Verbena</i> spp. vervain	-	-	-	-
1		<i>Veronica austriaca</i> L. Hungarian speedwell	0.6	6	3,920	111,130
1		<i>Veronica longifolia</i> L. garden speedwell	0.2	2	16,130	457,285
1		<i>Veronica spicata</i> L. spike speedwell	0.2	2	15,150	429,505
2		<i>Vicia articulata</i> Hornem. monantha vetch	100	500	-	-
7		<i>Vicia benghalensis</i> L. purple vetch	100	500	22	625
2		<i>Vicia faba</i> L. broadbean, fava-bean, horsebean, bell bean, tick bean	500	500	-	-
2		<i>Vicia pannonica</i> Crantz Hungarian vetch	100	500	24	680
2		<i>Vicia sativa</i> L. subsp. <i>nigra</i> (L.) Ehrh. blackpod vetch	50	500	60	1,700
2		<i>Vicia sativa</i> L. subsp. <i>sativa</i> common vetch	150	500	19	540
2		<i>Vicia villosa</i> Roth subsp. <i>varia</i> (Host) Corb. winter vetch	100	500	25	710
2		<i>Vicia villosa</i> Roth subsp. <i>villosa</i> hairy vetch	75	500	35	1,020
7		<i>Vigna angularis</i> (Willd.) Ohwi & H. Ohashi adzuki bean	200	500	11	310
7		<i>Vigna radiata</i> (L.) R. Wilczek var. <i>radiata</i> mung bean	100	500	24	680
		<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>sesquipedalis</i> (L.) Verdc. yard-long-bean	see <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> Sesquipedalis Group			
7		<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> Sesquipedalis Group yard-long-bean	300	500	8	225

**Table 2A. Weights for working samples**

Pure Seed Unit #	Chaffy (C) or Super Chaffy (SC) <sup>a</sup>	Kind of seed	Minimum weight for purity analysis <sup>b</sup>	Minimum weight for noxious weed seed or bulk examination	Approximate number of seeds per gram <sup>c</sup>	Approximate number of seeds per ounce <sup>d</sup>
			Grams	Grams	Number	Number
7		<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i> Unguiculata Group cowpea, southern-pea	300	500	8	225
6		<i>Viola cornuta</i> L. viola	3	30	880	24,948
6		<i>Viola tricolor</i> L. pansy	3	30	735	20,837
1		<i>Vitis vulpina</i> L. riverbank grape	80	500	32	900
12	C	<i>Vulpia</i> spp. small fescue	see <i>Festuca</i> spp.			
		<i>Xanthocyparis nootkatensis</i> (D. Don) Farjon & D. K. Harder Alaska cedar	see <i>Cupressus nootkatensis</i>			
28		<i>Xerochrysum bracteatum</i> (Vent.) Tzvelev helichrysum, strawflower	1	10	1,761	49,924
1		<i>Yucca filamentosa</i> L. Adam's-needle, spoon-leaf yucca	-	-	-	-
14		<i>Zea mays</i> L. subsp. <i>mays</i> field corn and popcorn	500	500	3	85
14		<i>Zea mays</i> L. subsp. <i>mays</i> sweet corn	500	500		
28		<i>Zinnia acerosa</i> (DC.) A. Gray zinnia	-	-	-	-
28		<i>Zinnia angustifolia</i> Kunth zinnia	1	10	2,435	69,030
28		<i>Zinnia elegans</i> Jacq. common zinnia: large-seeded small-seeded	20 13	200 130	125 200	3,545 5,670
28		<i>Zinnia grandiflora</i> Nutt. zinnia	-	-	-	-
28		<i>Zinnia haageana</i> Regel Mexican zinnia	4	40	565	16,015
28		<i>Zinnia peruviana</i> (L.) L. zinnia	-	-	-	-
		<i>Zinnia violacea</i> Cav. common zinnia	see <i>Zinnia elegans</i>			
11		<i>Zizia</i> spp. golden alexanders	-	-	-	-
13		<i>Zoysia japonica</i> Steud. Japanese lawngrass	2	20	1,325	37,590
13		<i>Zoysia matrella</i> (L.) Merr. manilagrass	2	20	-	-