

AOSA Rules Committee Report 1989-90
David F. Svik, Chairman

Twenty-eight proposals for rules changes or additions to the current AOSA Rules for Testing Seeds were received and evaluated by the Committee. Twenty-seven were approved for consideration by the AOSA membership. They will be discussed at the open rules meeting on Wednesday, June 13th. and voted on by the AOSA members at the business meeting on Thursday, June 14th.

The Committee also reviewed a request by Rodger Danielson on behalf of the Oregon analysts. The Committee agreed that the footnote at the bottom of page 13 of the Rules referencing an article entitled "Testing Annual (Italian) and Perennial Ryegrass Seed" is valid and should be followed.

The Committee also assisted the Editorial Committee Chairman in preparing and proofing the 1989 rules for publication.

The Rules Committee met in a closed session on Sunday, June 10th at 3:00 P.M. to review the 1990 proposals and make any changes that are necessary to the proposals. In other business, Jim Effenberger of the CA State Seed Lab was appointed to a 5 year term on the Committee replacing Deborah Meyer whose term has expired.

Eleven proposals were adopted and three proposals were rejected by the AOSA members at the 1990 business meeting. In addition, thirteen proposals were withdrawn from consideration by the authors. Proposal numbers 13, 15, and 16 were voted down by the members. Proposal numbers 9, 12, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, and 27 were withdrawn by the authors.

The following proposals were all ADOPTED:

1. Addition of "dark" as a specific requirement in Additional Directions for western wheatgrass in Table 3.

Kind	Subs.	Temp. C	First count days	Final count days	Spec. req. ments	Fresh & dormant seed
<u>Elymus smithii</u> western wheatgrass	B,P,T	15-30	7	28 d	Dark	KNO3 or soil

2. Reduce final count to 14 days for blue grama in Table 3.

Substrata	Temp. C	First Count Days	Final Count Days	Additional Directions	
				Specific require-ments	Fresh & dormant seed
P, TB	20-30	7	14 d	Light	KNO3

3. Reduce final count to 14 days for sideoats grama in Table 3.

Substrata	Temp. C	First	Final	"	"
P	15-30	7	14 d	Light, KNO3	

4. Reduce final count to 14 days for switchgrass in Table 3.

Substrata	Temp. C	First	Final	"	"
P, TS	15-30	7	14 d	Light; KNO3	Prechill at 5 C for 2 weeks.

5. Reduce final count to 14 days for sand bluestem in Table 3.

Substrata	Temp. C	First	Final	"	"
P, TS	20-30	7	14 d	Light; KNO3	Prechill at 5 C for 2 weeks.

6. Reduce final count to 14 days for indiangrass in Table 3.

Substrata	Temp. C	First	Final	"	"
P, TS	20-30	7	14 d	Light; KNO3	Prechill at 5 C for 2 weeks.

7. Reduce final count to 14 days for little bluestem in Table 3.

Substrata	Temp. C	First	Final	"	"
P, TS	20-30	7	14 d	Light; KNO3	Prechill at 5 C for 2 weeks.

8. Reduce final count to 14 days for big bluestem in Table 3.

Substrata	Temp. C	First Count Days	Final Count Days	Additional Directions	
				Specific require-ments	Fresh & dormant seed
P,TS	20-30	7	14 d	Light; KNO3	Prechill at 5 C for 2 weeks.

14. Addition of Chrysothamnus nauseosus-Rubber Rabbitbrush to the Rules.

1) Include in Table 1 (Weights for working samples, TREE and SHRUB SEEDS) the following:

Kind of Seed	Min. Wt. for purity anal.(g)	Approx. No. seeds/gram	Approx No. seeds/oz.
<u>Chrysothamnus nauseosus</u> rubber rabbitbrush	2	1350	38,200

2) Include in Table 5 (Methods of testing for laboratory germination (TREE and SHRUB SEEDS) the following:

Kind of Seed	Substrata	Temp. C	Test dur. days	Additional Directions
<u>Chrysothamnus nauseosus</u> rubber rabbitbrush	P	25,20-30	28	

11. Amend: 2.3 Weight of working samples

c. In samples that are believed to be unusually small-seeded or large-seeded for the kind being tested.-- The size of the purity working sample may be based on a sample containing approximately 2500 seeds without regard to the weight specified in Table 1, provided that in no case shall less than two-tenths gram (.2) be analyzed.

10. Amend: Table 1. Weights for working samples: Flowers

TABLE 1. Weights for working samples: Flowers

	Minimum weight for purity analysis ^a	Minimum weight for noxious weed seed examination	Approximate number of seeds per gram ^b	Approximate number of seeds per ounce ^c
	Grams	Grams	Number	Number
<u>Achillea millefolium</u> L. common yarrow	0.4	4	6,325	179,314
<u>Anagallis arvensis</u> L. anagallis	2	20	1,170	3,317
<u>Aquilegia</u> spp. columbine	4	40	600-990 (725)	17,010-28,067 (20,554)
<u>Aster novae-angliae</u> L. New England aster	0.9	9	2,875	81,506
<u>Baileya multiradiata</u> Torrey wooly-marigold	1	10	2,150	60,953
<u>Brachycome iberidifolia</u> Bentham Swan river-daisy	0.4	4	5,880	166,698
<u>Camissonia cheiranthifolia</u> (Hornemann) Raimann beach evening primrose	0.5	5	5,445	154,366
<u>Centaurea cyanus</u> L. bachelor's button, cornflower	11	110	225	6,379
<u>Clarkia amoena</u> (Lehmann) Nelson & Macbride godetia	1	10	2,570	72,860
<u>Coleus blumei</u> Bentham common coleus	0.6	6	2,900-5,100 (4,010)	82,215-144,585 (113,684)
<u>Coreopsis lanceolata</u> L. Coreopsis, perennial	5	50	465	13,183
<u>Coreopsis tinctoria</u> Nuttall, C. basalis (Otto & A. Dietrich) S.F. Blake calliopsis	0.8	8	3,130	88,736
<u>Cosmos sulphureus</u> Cavanilles Cosmos; Klondyke types	19	190	135	3,827
<u>Dianthus barbatus</u> L. Sweet william	3	30	900	25,515

TABLE 1. Weights for working samples: Flowers (Continued)

	Minimum weight for purity analysis ^a	Minimum weight for noxious weed seed examination	Approximate number of seeds per gram ^b	Approximate number of seeds per ounce ^c
	Grams	Grams	Number	Number
<u>Digitalis purpurea</u> L. foxglove	0.2	2	10,290	291,721
<u>Dimorphotheca sinuata</u> de Candolle African-daisy	5	50	415-800 (530)	11,765-22,680 (15,025)
<u>Echinacea purpurea</u> (L.) Moench purple-coneflower	10	100	255	7,229
<u>Erysimum X allionii</u> Hortorum wallflower	3	30	765	21,688
<u>Eschscholzia californica</u> Chamisso California-poppy	4	40	500-705 (595)	14,175-19,987 (16,868)
<u>Gaillardia aristata</u> Pursh gaillardia, perennial	7	70	345	9,781
<u>Gaillardia pulchella</u> Fougeroux var. <u>picta</u> (Sweet) A. Gray gaillardia, annual	5	50	525	14,884
<u>Gilia tricolor</u> Bentham gilia	1	10	2,315	65,630
<u>Gypsophila</u> spp. babys breath	2	20	820-1,225 (960)	23,247-34,729 (27,216)
<u>Lavatera trimestris</u> L. herb treemallow	17	170	150	4,252
<u>Layia platyglossa</u> (Fischer & Meyer) A. Gray tidy tips-daisy	3	30	750	21,262
<u>Liatris</u> spp. gayfeather	8	80	300	8,505
<u>Linaria maroccana</u> Hook. f. linaria	0.2	2	14,730	147,595
<u>Linum grandiflorum</u> Desfontaines 'Rubrun' flowering flax	10	100	290	8,222

TABLE 1. Weights for working samples: Flowers (Continued)

	Minimum weight for purity analysis ^a	Minimum weight for noxious weed seed examination	Approximate number of seeds per gram ^b	Approximate number of seeds per ounce ^c
	Grams	Grams	Number	Number
<u>Linum perenne</u> L. subsp. <u>lewisii</u> (Pursh) Hult. perennial flax	4	40	650	18,428
<u>Lobularia maritima</u> Desrousseaux Alyssum	0.9	9	2,745	77,821
<u>Lupinus subcarnosus</u> Hooker Texas bluebonnet	83	550	30	850
<u>Machaeranthera tanacetifolia</u> (Kunth) Nees Tahoka-daisy	3	30	900	25,515
<u>Monarda citriodora</u> Lagasca Lemon mint	1	10	2,120	60,102
<u>Nemophila maculata</u> Lindley Nemophila, spotted	15	150	165	4,678
<u>Nemophila menziesii</u> Hooker & Arnott Subsp. <u>insignis</u> (Douglas) Brand nemophila, baby blue eyes	5	50	535	15,167
<u>Oenothera argillicola</u> Mackenzie evening primrose	1	10	2,480	70,308
<u>Oenothera macrocarpa</u> Nuttall Ozark sundrops, Missouri primrose	12	120	210	5,954
<u>Papaver nudicaule</u> L. Iceland poppy	0.4	4	6,125	173,644
<u>Papaver rhoeas</u> L. Corn poppy, shirley poppy	0.4	4	7,340	208,089
<u>Penstemon strictus</u> Bentham Rocky Mountain Penstemon	2	20	1,080	30,618
<u>Phacelia campanularia</u> A. Gray Phacelia	2	20	1,815	51,455
<u>Phacelia tanacetifolia</u> Bentham Phacelia	5	50	540	15,309

TABLE 1. Weights for working samples: Flowers (Continued)

	Minimum weight for purity analysis ^a	Minimum weight for noxious weed seed examination	Approximate number of seeds per gram ^b	Approximate number of seeds per ounce ^c
	Grams	Grams	Number	Number
<u>Phlox drummondii</u> Hooker Phlox	5	50	525	14,884
<u>Ratibida columnifera</u> (Nuttall) Wooton & Standley Mexican Hat, Prairie coneflower	2	20	1,625	46,069
<u>Rudbeckia hirta</u> L. Black-eyed Susan	1	10	3,200	90,720
<u>Salvia farinacea</u> Bentham Mealycup sage (blue bedder)	3	30	750	21,262
<u>Silene armeria</u> L. sweet william catchfly	0.3	3	7,535	213,617
<u>Viola cornuta</u> L. Viola	3	30	880	24,948
<u>Viola tricolor</u> L. Pansy	3	30	735	20,837



HONORARY MEMBER ELLEN CHIRCO