

SPECIES WITHOUT AOSA PROCEDURES (REVISED 6-2020)

****(The methods listed are NOT official AOSA Rules methods.)****

Kind of Seed (Botanical and Common Name)	Seeds per gram	P & Nox Min Weight	Substrata	Temp.	First Count	Final Count	Additional Directions	Reference
<i>Abronia umbellata</i>			S	20-30	10	28		1
<i>Abronia umbellata ssp. breviflora</i>			TB, S	20-30	7	14	Prechill 3 weeks at 4 degree C. Seeds must be moved from fruit.	70
<i>Abrus precatorius</i>			S	20-30	5	20		1
<i>Abutilon theophrasti</i>			B	35	4	7	2 degrees to 5 degrees for 2 days or 1/2 to 1 min in boiling water	1
<i>Abutilon x hybridum</i>		10/	BP, TP, BP TP, BP	20, 20-30, 20	5 5	20 27		3 3
<i>Acamptopappus sphaerocephalus</i>	1015		TB	20	5	14	Prechill (5 C) for fresh or dormant seed	28
<i>Acanthus mollis</i>			BP	20	7	21		1
<i>Achillea filipendulina</i>	8933	0.5/	TP	20, 20-30	7	14	Light	6
			TP	20-30	5	15		4
		0.5/	TP, BP	20-30, 20	7	14	Light	4
					5	14		2
<i>Achnatherum coronatum</i>	276		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days., Deep dormancy cut through endosperm, GA3, Chill at 5C for 16 hours	26
<i>Achnatherum speciosum</i>	326		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days., Deep dormancy cut through endosperm, GA3, Chill at 5C for 16 hours	26
<i>Achnatherum splendens</i>	869		TB	15-25	7	14	Light, KNO3, Prechill at 4 C for 7 days	71
<i>Acroptilon nigra</i>				20-30	3	10	Light	20a
<i>Acroptilon repens</i>			P(a)	20-30			Light	7
<i>Adonis aestivalis</i>			BP	10	14	42		1
			BP	10, 20-30	7	35	Prechill	2A
<i>Aeluropus litoralis</i>	2487		TB	20-30			Light, KNO3	71
<i>Agastache foeniculum</i>	2174	1.1/11	TB	20-30	7	16	KNO3	72
<i>Agastache rugosa</i>	2658	0.9/9	TB	20-30	8	16	KNO3	72
<i>Agastache urticifolia</i>			P(a)	15			Light	8
			P(a)	20			Dark	8
<i>Agave spp</i>			TP	20-30	14	35	Light	1
<i>Agoseris glauca</i>			TB	15-25	7	28	Light, prechill at 3 to 5 C	73
<i>Agoseris grandiflora</i>	813	3.08	P(a)	15, 20			Dark	8
<i>Agrimonia odorata</i>	26	100/1000	HLH, RE	20	7	35	Soak seed at 20C in H2O overnight. (also TZ if dormant)	72
<i>Agropyron fragile</i>	324		TB	15-25	5	14	Light, KNO3, Prechill at 5C for 7 days	71
<i>Agropyron michnoi</i>	356						Use method for <i>A. cristatum</i> in the AOSA rules	67
<i>Agropyron mongolicum</i>	396		TB	15-25	5	14	Light, KNO3, Prechill at 5C for 7 days	71
<i>Agrostemma githago</i>			B	20		5		9
	185	14/140	TB	15	4	14	KNO3, Prechill at 5C for 9 days	72
<i>Agrostis diegoensis</i>	8929		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days.	26
<i>Agrostis exarata</i>	12,373		TCT	15-25	5	21	Prechill at 5C and GA3	26
<i>Agrostis nebulosa</i>			TP	10-30	5	15	KNO3, Prechill 5-7 days	1
			P(a)	20-30	7	21	KNO3	4
<i>Agroticum spp.</i>			T	15	4	7	Old Seed; for fresh seed , prechill at 5C and test at 20C	21
		100/500 100/500	T	15	4	7	Dark	5
<i>Aira elegans</i>			TP	10-30	5	15	Light	1
<i>Aira spp.</i>			P, TB	20-30	21	21	Light	5
<i>Alchemilla mollis</i>			TB	20	7	21	Use KNO3 on 1/2 test	72
<i>Alchemilla monticola</i>	1640	1.5/15	TB	20	7	21	KNO3, Prechill at 5C for 10 days	72
<i>Alchemilla wichurae</i>	1640	1.5/15	TB	20	7	21	KNO3, Prechill at 5C for 10 days or GA3, Prechill at 5C for 10 days	72
<i>Allenrolfea occidentalis</i>	8959		TB	20	5	21	Prechill at 5C for fresh and dormant seed	26
<i>Allium ampeloprasum</i>	550		TB	20	14	30	Light, prechill at 13C for 15 days, alternate temp 10/20C may take longer than 30 days	71
<i>Allium ledebourianum</i>	614		TB	15		50	Light, may take longer than 30 days Very Hard Seeded	71 71
				20 25				71
<i>Allium praecox</i>	411		T	15	7	28	Prechill at 5C for 5 days for fresh or dormant seed	26
<i>Allium scorodoprasum</i>	769		TB	20			Light, Pretreat with 5% bleach solution, may take longer than 30 days	71
<i>Allium tuberosum</i>	228 236	11/100	T TB	20 20	6 14	14 14	15C for 3 days Light, may take longer than 30 days	72 71
<i>Aloe spp.</i>			T TB	20 15	5 16	16 21		14 15
				20-25		30		63
<i>Alonsoa warcewiczii</i>			TP	20-30	5	20	Light	1
<i>Alopecurus magellanicus</i>			P	20-30	7	14	Light, KNO3	11
<i>Alstroemeria aurea</i>			BP	20	7	28	Prechill 2 months at 5C	1
<i>Alstroemeria chilensis</i>				15		56		1
<i>Althaea officinale</i>	400	6.25/62	TB	20-30	7	21	Hard Seed	72
<i>Amaranthus hybridus</i>			P(a) TP	20-30 20-30, 20	4	14	Dark then light, prechill 3 weeks at 3C Prechill, KNO3	7 2
<i>Amaranthus retroflexus</i>			P(a) TB	20-30 35	3	10	Dark Light	7 3
<i>Amberboa moschata</i>			PP	15 12-33	5 3	16 20	Light Light	14 1
<i>Amblyopyrum muticum</i>	350		TB	15-25	7	14	Light, KNO3, Prechill at 4C for 7 days	71
<i>Ambrosia acanthicarpa</i>			P(a)	20-30			Dark	7
<i>Ambrosia artemisiifolia</i>			P(a)	20-30			Dark	7
<i>Amelanchier spp.</i>		5/50	B	20-30			Light, Prechill 3 weeks at 5C	5
<i>Amelanchier utahensis</i>	63	40/	B	10-30 10-30	7	21 15	Light, prechill 45 days at 3 -5C. Light, prechill 45 days at 3 -5C.	68 17
<i>Ammi majus</i>	1343	2/20	TB	20	7	21		72
<i>Ammobium alatum</i>			BP TB, BP	20 20-30, 20	5 5	15 14		1 2
<i>Ammophila spp.</i>		5/50	B	20-30	0	21	Light, KNO3	5
<i>Amorpha californica</i>	92		T	20-30	5	21	Prechill % for fresh and dormant seed. Hard Seed - scarification	26
<i>Amorpha canescens</i>	421			20-30, 20	7	21	Scarify with sandpaper Hard Seeds	68 16 36
	651		B S	20-30 20-30	15 15	40 40		
<i>Amorpha fruticosa</i>	169		S	20-30	15	20	Remove Pod	36
	150	15/		20-30	7	10	Soak in water at 80-90C for 10 min. Prechill 90-120 days	56
<i>Amorpha spp.</i>		5/50	FB	20	3	7	Dark	5
<i>Amsinckia intermedia</i>			P(a)	20			Dark	7
<i>Amsinckia menziesii var. intermedia</i>	378		TB	20	7	21	GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5 for 16 hours	26
<i>Anagallis monelli</i>			TP	15	7	21	KNO3	1
<i>Anemone coronaria</i>	1410	3/	TP, BP	20, 15	7	28	Prechill	2
<i>Anemopsis californica</i>	2971		TCT	20-35	7	35	Light; Prechill with GA3 at 5C for 5 days for fresh and dormant seed	26
<i>Angelica archangelica</i>		10/	TP, BP	20,030	7	28	Light, Prechill	2
<i>Anisacanthus quadrifidus</i>		10/100	T	20-30	5	21		21
<i>Annona muricata</i>	2		S	25-30	26	46	Light 24 hours; heat treatment at 40 C for 5 days	64
<i>Anthemis cotula</i>			P(a)	20-30			Light	7
<i>Arabis blepharophylla</i>		2/	TP	20-30, 15	5	21	Prechill, KNO3	2
			TP	15	5	21	Light	1
<i>Arabis glabra</i>			TB	20-30		14		9
<i>Arabis holboellii</i>			P(a)	15			Dark, Prechill 1 week at 3C.	7
<i>Arctium minus</i>			P(a)	20-30			Light	7
<i>Arenaria serpyllifolia</i>			P(a)	15			Light	7
<i>Argemone grandiflora</i>			BP	10	10	42		1
<i>Argentina anserina</i>			TB	20-30		16	Light, KNO3	17
<i>Arisaema triphyllum</i>	34	3	TB	15-25	7	28	Light, Prechill 60 days	20A 6
				20			Light	
<i>Aristida adscensionis</i>	1,323		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days	26
<i>Aristida purpurea</i>	731		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days	26
<i>Aristida spp.</i>		2/20	B	20-30	0	21	Light, prechill 1 week	5
<i>Aristida tempipes var. gentius</i>	693		TCT	15-25	7	21	GA3, prechill at 5C for 5 days	26
<i>Arnica chamissonis var. foliosa</i>	2269	1/10	TB	20-30	5	14	Prechill at 5C for 5 to 7 days	72
<i>Arnica fulgens</i>			P(a)	20			Dark	7

<i>Arnica montana</i>	Montana Arnica	876	3/	TP	15	7	21	Light	6
					20-30	5	14	Light, prechill 5-7 days	1
<i>Artemisia californica</i>	Coral Sagebrush	15,128		TB	20	5	21	GA3, prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Artemisia filifolia</i>	Sand Sagebrush		0.25/2.5	P	15-25	7	28	Light, KNO3	21
			0.5/5	P	20	7	14	New seed may be firm	16
				P.B	15-25	7	28	Light, Prechill 10 days	5
<i>Artemisia pycnocephala</i>	Beach Wormwood	6,153		TB	20	5	14	Prechill at 5C for fresh and dormant seed	26
<i>Artemisia suksdorfii</i>	Coastal Sagewort			P(a)	20-30			Dark	7
<i>Artemisia vulgaris</i>	Common Wormwood	10,115	0.25/2.5	TB	20-30	7	21	GA3	72
<i>Artocarpus heterophyllus</i>	Jackfruit	0.14		S	25-30	18	21	Light 24 hours	64
<i>Asarina scandens</i>	Climbing Snapdragon	2764	0.9/9	TB	20-30	14	21	20C	72
<i>Asarum canadense</i>	Canadian Wild Ginger				20		14	3 months at 20C then prechill 3 months at 5C	22
<i>Asclepias curassavica</i>	Bloodflower	542	5/	B	30-Oct	7	14	Prechill 21 days at 5C	6
		542	5/	B	15-25	7	28	Prechill 7 days at 5C	6
				BP	20-30	7	21		1
<i>Asclepias syriaca</i>	Common Milkweed				20-30		30	Light, prechill 30 days	20m
				BT	30-Oct	7	14	Prechill 21 days at 5C	6
				B	15-25	7	28	Prechill 7 days at 5C	6
<i>Asperula orientalis</i>	Oriental Asperula			BP	10	7	21		1
<i>Aster subcoeruleus</i>	East Indian Aster			PP	15	7	14	Scarify or prechill for 8 weeks at 4C	14
<i>Astilbe x arendsii</i>	Astilbe	19,231	0.3/1.3	TB	20-30	7	21	Difficult germ 14-21 days	72
				RE	25			Keep soil very wet, move soil test under light when starting to germ	72
<i>Astragalus australis var. olympicus</i>	Indian Milkvetch			TB	20	7	14	Scarify seeds	70
<i>Astragalus filipes</i>	Basalt Milkvetch	268	9.4	TB	15-25, 20	4	21	Hard seed	73
<i>Astragalus pomonensis</i>	Pomona Milkvetch	362		T	20	7	21	Cut cotyledons of swollen and hard seed, chill for 16 hours	26
<i>Astragalus tribuloides</i>		967		TB	15-25	7	21	Light	71
<i>Astrelia lappacea</i>	Curly Mitchellgrass			P	20-30	7	21	Light, KNO3	24
<i>Atriplex confertifolia</i>	Shadscale Saltbush		25/225	B	15	5	28	Dark	5
<i>Atriplex hortensis</i>	Garden Orach			P(a)	20			Dark	7
				BP	10	7	35		1
<i>Atriplex hymenelytra</i>	Desert Holly		2/20	B	15	5	28	Dark	5
<i>Atriplex lentiformis</i>	Big Saltbush	1116		TB	20	5	21	Prechill at 5C for 21 days. Deep dormancy cut into seed(pierce), GA3 chill at 5C for 16 hours	26
<i>Atriplex nuttallii</i>	Nuttall Saltbush		2/20	B	15	5	28	Dark	5
<i>Atriplex polycarpa</i>	Cattle Saltbush	1,322		TB	15	7	21	Light, prechill 5C for 5 days for fresh and dormant seed	26
<i>Atriplex semibaccata</i>	Australian Saltbush	259		TB	15	7	21	Light, prechill 5C for 5 days for fresh and dormant seed	26
<i>Aubrieta gracilis</i>	Dwarf Rockcress			BP	10	7	21		1
<i>Aureolaria pedicularia</i>	False Foxglove								
<i>Australopyrum retrofractum</i>	Limestone Wheatgrass	234		TB	15-25	7	14	Light, KNO3	71
<i>Avena fatua</i>	Wild Oat			P	20	7	14	To determine live seed, deglume	25
<i>Avena sterilis</i>	Animated Oat			T	20	10	10	KNO3	16
				P	20	5	10	KNO3	4
				T	20	10	10	KNO3	26
<i>Averrhoa carambola</i>	Carambola			S	25-30*	24	36	Light 24 hours, * ambient room temperature	64
<i>Baccharis pilularis</i>	Chaparral Broom, Coyotebush	22,235		TB	20	5	14	Prechill 5C for fresh and dormant seed	26
<i>Baccharis salicifolia</i>	Mule Fat	28,326		TB	20	5-7	21	Light	26
<i>Baccharis sarothroides</i>	Desert Broom	12,636		TB	20	7	21	Light; Prechill 5C for 5 days for fresh and dormant seed	26
<i>Baptisia australis</i>	Indigo, Blue Wild			T	20-30	14	30		26
		71	35/	TB	20-30	28	28		6
				B	35, 20-30	7	28	Hard Seed, Scarify with H2SO4 for 10 minutes	26
<i>Barbarea orthoceras</i>	American Yellowrocket			P(a)	20			Dark prechill 2-4 weeks at 3C.	7
<i>Barbarea vulgaris</i>	Bitter Wintercress			B	20-30	10	10	Light for fresh seed	9
				B	15-30	7	10	Light	3
				B	20-30	6	10	Light	20a
<i>Beauveria recurvata</i>	Bottle-Palm	34	73/	B	20-30	7	28	Soak 24 hours	6
				T	20-30	7	21	Soak 24 hours	14
				P	20-30				26
<i>Bebbia juncea</i>	Sweetbush	2,163		TB	20	7	21	Light	26
<i>Belamcanda chinensis</i>	Blackberry Lily	45	55/500	RE	20	21	28	Seed Intact, no soak, RE, 30 day prechill at 5C then 20-30	72
					20-30		35	Remove pericarp, soak 24 hours, RE at 20C	23
<i>Berteroa incana</i>	Hoary Alyssum			B	20		10	KNO3	9
<i>Besseyia rubra</i>	Red Besseyia			P(a)	15			Dark	7
<i>Bixa orellana</i>	Lipsticktree			S,TP	25-30	16	23	Light 24 hours	64
<i>Bloemeria crocea</i>	Common Goldenstar	614		T	15	5	21	Prechill 5C for fresh and dormant seed	26
<i>Bothriochloa barboides</i>	Cane Bluestem	87		TCT	15-25	7	21	GA3, prechill at 5C for 5 days	26
<i>Bothriochloa bladhii</i>	Caucasian Bluestem	2356	1/10	P	20-30	5	21	KNO3; prechill 14 days	67
			1/10	P	20-30	5	21	Light, transfer to 20C after 7 days if mold is a problem	21
				TB	20-30	7	21	Light, KNO3, prechill 2 weeks at 5C	19
<i>Bothriochloa saccharoides</i>	Silver Bluestem			P	20-30	7	35	Light, KNO3	5
<i>Bouteloua erpoda</i>	Black Gramagrass	2934		P	20-30	7	28	Light, KNO3; if unsatisfactory try GA3	29,30,67
<i>Bouteloua hirsuta</i>	Hairy Gramagrass	2154		P	20-30	7	14	Light, KNO3	12, 67
<i>Bouteloua repens</i>	Slender Gramagrass			P	20-35	7	28	Light, KNO3	29
<i>Bouteloua rothrockii</i>	Rothrock Gramagrass	9000		P	20-30	7	28	Light, KNO3	29
<i>Brickellia californica</i>	California Brickellbush	4,628		TB	20	7	21	Light	26
<i>Briza maxima</i>	Big Quaking Grass			TP	20-30	5	14	Light; prechill 5-7 days at 10C	1
				P	20-30		21	Light; prechill	26
		253	10/	P	20-30	2	8		4
				P, TB	20-30	7	21	KNO3 for fresh seed	16
				TB	20-30	7	21	Light	6
				P	20		16		28
				P	20-30		14	Light	14
				P, TB	20-25		28	Light	32
			10/	RT	20-30		21	Light	3
				TP	20-30	4	21	Light	2
<i>Briza minor</i>	Little Quaking Grass			TP	20-30	7	21	Prechill 5-7 days at 10C	1
<i>Bromus arizonicus</i>	Arizona Brome	194		TB	15-25	7	14	GA3, Prechill at 5C for 5 days	26
<i>Bromus belbersteinii</i>	Meadow Brome			P	20-30	7	14	Light	57
<i>Bromus catharticus</i>	Rescuegrass			B	20-30	7	21	Prechill 7 days	31
<i>Bromus erectus</i>	Erect Brome	156		P	20-30	7	14	Light	12, 67
<i>Bromus maritimus</i>	Seaside Brome	145		TB	15-25	7	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3 chill at 5C for 16 hours	26
<i>Bromus rubens</i>	Red Brome	522		TB	20	7	14	Light, GA3. Prechill at 5C for 5 days	26
<i>Bromus secalinus</i>	Cheat	103	25/250	TB	20-30	7	14		72
<i>Bromus stamineus</i>	Roadside Brome			P	20-30	6	14	Light	34
<i>Bromus tomentellus</i>	Russian Brome			P	20-30	7	24	Light	11
<i>Buglossoides arvensis</i>	Corn Gromwell			P(a)	20-30				7
<i>Caesalpinia gilliesii</i>	Bird-of-Paradise Shrub	8	330/	TB	20-30	7	28		6
				BP	20-30	7	28		1
<i>Cakile maritima</i>	European Sea Rocket	36		TB	20	7	21	Prechill at 5C for 5 days. Deep dormancy - TZ is recommended at end of test.	67
<i>Calamoviola gigantea</i>	Giant Sandreed	193		P	20	7	21	Light	67-12
<i>Calamoviola longifolia</i>	Prairie Sandreed	602	2/20	P	20-30	7	28		67
				P	20-30	7	21	Light	21
<i>Calamoviola spp</i>	Sandreed		2/20	P	20-30	7	28	Light	12
			2/20	P	20-30	7	28	Light	21
<i>Calandrinia ciliata</i>	Fringed Redmaids			BP	10	5	10		5
		2,440		TB	15	7	21	Light, GA3, Prechill 5C for 5 days. Deep dormancy - TZ recommended at end of test.	1
<i>Calandrinia umbellata</i>	Ruby Tuesday Redmaids			BP	10	5	15		26
<i>Calluna vulgaris</i>	Heather	35639	0.25/	TP	20-30	7	28		1
				P	20	4	28	Light	6
<i>Calochortus splendens</i>	Splendid Mariposa Lily	700		TC	20	7	21	Light, prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3 and chill 5C for 16 hours	16
<i>Calochortus weedii</i>	Weed's Mariposa Lily	870		TC	20	7	21	Light, prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3 and chill 5C for 16 hours	26
<i>Camellina microcarpa</i>	Littlepod False Flax			B	20-30		14	KNO3; prechill 2 weeks plus KNO3	9

<i>Camissonia bistorta</i>	Southern Sun Cup	14,187		TB	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, chill at 5C for 16 hours	26
<i>Camissonia californica</i>	California Sun Cup	4,002		TB	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, chill at 5C for 16 hours	26
<i>Camissonia pallida</i>	Pale Yellow Sun Cup	1,399		TB	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, chill at 5C for 16 hours	26
<i>Campanula glomerata</i>	Dane's Blood	1053	0.24/2.4	RE	20, 20-30	6	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, chill at 5C for 16 hours	72
<i>Campanula poscharskyana</i>	Serbian Bellflower			B P	15 15 20-30	7 7 14	28 28 14	Light Light	6 14 63
<i>Campsis radicans</i>	Trumpet Creeper	261	10/	B	20-30 20-30 20-30	7	30 21	Prechill 60 days at 5C Prechill 1 month at 5C	36 6 18
<i>Canna generalis</i>	Canna	4			20, 25		56	Soak seeds. Sow on surface of soil with bottom heat	8
<i>Canna indica</i>	Indian Shot	4	718/ 500/	S, BP T	20, 20-30 20-30	7 14	21 21	Clip, soak seeds Presoak hot water and clip Scarify and soak in warm water 48 hours	6 1 26 65 63
<i>Canna spp.</i>	Canna			RT	20-30	5	20	Before testing cut into seed coat	1
<i>Capsella bursa-pastoris</i>	Shepherds Purse			P(a) B	20-30 20-30		21	Dark KNO3; prechill 2 weeks plus KNO3	7 9
<i>Cardaria draba</i>	Whitetop			P(a)	15, 20-30			Light	7
<i>Cardaria pubescens</i>	Hairy Whitetop			P(a)	20-30			Light	7
<i>Cardionema ramosissimum</i>	Sandcraepel	1,272		TB	20	7	21	Light, prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3 and chill 5C for 16 hours	26
<i>Carex barbarae</i>	Santa Barbara Sedge	946		TCT	20-35	7	21	Light, Dormant - TZ	26
<i>Carex obtusa</i>	Slough Sedge	1,203		TCT	20-35	5	27	Prechill not recommended	26
<i>Carex spissa</i>	San Diego Sedge	825		TB	20	7	21	Light, Dormant - TZ	26
<i>Carpobrotus edulis</i>	Hottentot Fig	2,428		TB	20	7	21	Prechill at 5C for 5 days.	26
<i>Cassia spp.</i>	Cassia		10/100	FT	20-30	5	14		21
<i>Castilleja angustifolia</i>	North West Indian Paintbrush			P	15		14	KNO3	4
<i>Castilleja densiflora</i>	Denseflower Indian Paintbrush	13,871		TB	15	7	21	Light, GA3, Deep dormancy cut through cotyledons, GA3 and chill at 5C for 16 hours	26
<i>Castilleja exserta</i>	Exserted Indian Paintbrush	14,090		TB	15, 20	7	21	Light, GA3, Deep dormancy cut through cotyledons, GA3 and chill at 5C for 16 hours	26
<i>Castilleja foliolosa</i>	Texas Indian Paintbrush	10,156		TB	15	7	21	Light, GA3, Deep dormancy cut through cotyledons, GA3 and chill at 5C for 16 hours	26
<i>Castilleja indivisa</i>	Entireleaf Indian paintbrush	19,448		TB	15	7	21	Light, GA3, Deep dormancy cut through cotyledons, GA3 and chill at 5C for 16 hours	26
<i>Castilleja integra</i>	Wholeleaf Indian Paintbrush			P	15		14	KNO3	4
<i>Castilleja latifolia</i>	Monterey Indian Paintbrush			P	15		14	KNO3	4
<i>Castilleja miniata</i>	Great Red Indian Paintbrush			P	15		14	KNO4	4
<i>Castilleja spp.</i>	Indian Paintbrush		0.5/5	P, TB	15-25	5	21	Prechill 28 days, check for dormancy Light, Prechill 2 weeks	16 5
<i>Catananche caerulea</i>	Cupid's Dart	294	10/100	BP BP	20 20	5 5	20 20		1 6
<i>Caulophyllum thalictroides</i>	Blue Cohosh				15-30			3 months at 15-30C, then prechill 9 months at 10C	22
<i>Ceanothus cordulatus</i>	Whitethorn Ceanothus	375		T	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ recommended at end of test.	26
<i>Ceanothus cordifolius</i>	Hoaryleaf Ceanothus	109		T	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ recommended at end of test.	26
<i>Ceanothus cuneatus</i>	Buckbrush	100		T	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ recommended at end of test.	26
<i>Ceanothus impressus</i>	Santa Barbara Ceanothus	210		T	20-30	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ recommended at end of test.	26
<i>Ceanothus integririmus</i>	Deerbrush	154		S TB	20-30 20-30	10 20	20 20	60 minute hot water soak at 100C 30 minute acid treatment, prechill 2 months at 3-5C	17A
<i>Ceanothus leucodermis</i>	Chaparral Whitethorn	142		T	20	7	21	Light, GA3, Prechill at 5C. Deep dormancy TZ recommended at end of test	26
<i>Ceanothus megacarpus</i>	Bigpod Ceanothus	52		T	20	7	21	Light, GA3, Prechill at 5C. Deep dormancy TZ recommended at end of test	26
<i>Ceanothus prostratus</i>	Prostrate Ceanothus	82		T	20	7	21	Light, GA3, Prechill at 5C. Deep dormancy TZ recommended at end of test	26
<i>Ceanothus sanguineus</i>	Redstem Ceanothus	286		S TB	20-30 20-30	10 20	12 20	1 hour acid treatment 1 hour acid treatment. Prechill 2 months at 3-5C.	36 17A
<i>Ceanothus spinosus</i>	Redheart	108		T	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ is recommended at end of test	26
<i>Ceanothus tomentosus</i>	Woollyleaf Ceanothus	227		T	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ is recommended at end of test	26
<i>Ceanothus verrucosus</i>	Barranca Brush	163		T	20	7	21	Light, GA3, Prechill at 5C for 5 days. Deep dormancy TZ is recommended at end of test	26
<i>Ceanothus velutinus</i>	Snowbrush Ceanothus	207		S TB	20-30 20-30	10 20	30 20	5 min. hot water soak at 100C. Prechill 3 months at 3-5C 30 minute acid treatment, prechill 2 months at 3-5C.	36 17A
<i>Centaurea diffusa</i>	Diffused Knapweed			P(a) P(a)	20 20				7
<i>Centaurea solstitialis</i>	Yellow Star Thistle			P(a)	20			Dark	7
<i>Cerastium biebersteinii</i>	Boreal Chickweed			BP	15	3	15		1
<i>Cerastium fontanum</i>	Common Mouse-ear Chickweed			B	20-30		7	KNO3, prechill plus KNO3 for fresh seed	9
<i>Cerastium siculum</i>	Dry Chickweed			P(a)	20			Dark	7
<i>Chaenactis artemisiifolia</i>	White Pinchusion	2,239		TB	20	5	21	Prechill for fresh and dormant seed	26
<i>Chaenactis douglasii</i>	Alpine Dusty Maiden			P(a)	20			Dark	7
<i>Chamaedorea elegans</i>	Parlor Palm	8	250/	TB T	20-30 25	7 7	28 28	Soak seed for 24 hours	6 14
<i>Chamaecrista fasciculata</i>	Partridge Pea		5/50	FT B	20-30 20-30	7 18	14 21	Hard seeds	21 16
<i>Chamerion angustifolium</i>	Fireweed			P	20	7	21	Light	16
<i>Chasmanthium latifolium</i>	Indian Woodoats			TP	20-30	7	28	Light, KNO3; prechill 5-7 days at 10C	1
<i>Chelidonium majus</i>	Celandine		1/	TP	20-30 20-30	7	28	Prechill Light; prechill 5 days	20 20
<i>Chelone glabra</i>	White Turtlehead				15-25	30		Light; prechill 60 days	20a
<i>Chenopodium album</i>	Lambsquarters			B P(a)	20-30 20-30	6	14	Light Dark	3 7
<i>Chenopodium capitatum</i>	Blite Goosefoot			TP	20-30	4	14	Light; prechill 5-7 days at 10C	1
<i>Chenopodium spp.</i>	Goosefoot		2/20 2/20	TB TB	15-30 20-30	3 3	14 14	Light, KNO3 Light, KNO3	5 5
<i>Chilopsis linearis</i>	Desert Willow			B	20-30		35	Needs good moisture supply	16
<i>Chloris cucullata</i>	Hooded Windmillgrass			P	20-30	7	21	Light	12
<i>Chorispora tenella</i>	Crossflower			P(a)	20			Dark	7
<i>Chrysanthemum indicum</i>	Indian Chrysanthemum			TP	20-30	4	21	Light	1
<i>Chieraria cineraria</i>	Dusty Miller	498949	0.25/	B	20		14	Light	6
<i>Cirsium arvense</i>	Canada Thistle			P(a)	20-30			Light	7
<i>Cirsium scaricum</i>	Meadow Thistle	1,764		TB	20-30	5	21	Prechill for fresh and dormant seed	26
<i>Cirsium undulatum</i>	Wavy-leaf Thistle			P(a)	20-30			Light	7
<i>Cirsium vulgare</i>	Bull Thistle			P(a)	20-30 15-25 20-30 20		10 10 10	Light (optional) Light (optional) Light (optional)	7 200 200 200
<i>Cissus antarctica</i>	Kangaroo Vine			P	15	7	28	Light	14
<i>Claytonia perfoliata</i>	Miner's Lettuce	3,464		TB	15	5-7	21	Light; prechill 5C for 5 days for fresh and dormant seed	26
<i>Clematis ligusticifolia</i>	Western White Clematis	904		TB	20	5	21	Prechill (5C) for fresh and dormant seed	26
<i>Cnicus benedictus</i>	Blessed Thistle		75/	BP TP, BP S	20-30 20-30	7 7	21 21	Prechill	1 2
<i>Cochlearia officinalis</i>	Spoonwort			TP	20-30	7	28		1
<i>Convallaria majalis</i>	European Lily-of-the-valley				20			No light, 3 months at 5C, then 2 months at 20C then 3-5 months at 5C then germinate at 20C	23
<i>Convolvulus arvensis</i>	Field Bindweed			TB	20-30	4	7	1 hour H2SO4	3
<i>Convolvulus tricolor</i>	Dwarf morning-glory		20/	TP, BP BP	20-30, 20 20-30	4 3	14 14	Pierce seed, chip or file off fragment of testa	2 1
<i>Cordylone indivisa</i>	Mountain Cabbage Tree	269	10/	TB TB TB	20-30 20-30 20-30	7 7 7	28 28 35	Light; prechill 5-7 days at 10C	6 1 2a
<i>Coreopsis calliopsidea</i>	Leafstem Tickseed	879		RT	15	7	21	GA3, prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours.	26
<i>Coreopsis maritima</i>	Sea Dahlia		5/	TP, BP TP TP	20-30, 20 10-30 20	4 5 7	14 25 14	Light, prechill, KNO3 Light Prechill 5C for 5 days for fresh and dormant seed	2 1 26
<i>Cospernum hysopifolium</i>	Bugseed			P(a)	20-30			Dark; prechill 2 weeks at 3C.	7
<i>Cortaderia selloana</i>	Uruguayan Pampas grass			TP P TB P P	20-30 20-30 20-30 15-25 20-30	7 6 7 4 4	28 14 14 35 35	Light Light Light Light	2a 4 16 26 26
<i>Cotula barbata</i>	Brass Buttons			BP	20	4	10		1
<i>Crepis capillaris</i>	Smooth Hawkweed			P(a) P(a)	20-30 15			Light Light	7 7

<i>Crepis rubra</i>	Red Hawksbeard			TP	20-30	3	10	Light	1
<i>Cryptantha intermedia</i>	Clearwater Cryptantha	3,140		TB	20	7	21	GA3, Prechill 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Cryptantha muricata</i>	Pointed Cryptantha	1,501		TB	20	7	21	GA3, Prechill 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Cryptantha torreyana</i>	Torrey's Cryptantha			P(a)	20-30			Dark; prechill 4 weeks at 3C.	7
<i>Cucurbita foetidissima</i>	Missouri Gourd	22		RT	20-30	4-5	7-10	Prechill 5C for 5 days for fresh and dormant seed	26
<i>Cuphea ignea</i>	Cigar Flower			TB	20-30		21		15
				B	20, 20-30	7	14		6
				TP	20-30	7	21	Light	1
				P	20		14	Prechill 3 days	37
				TB	20-30	7	21	Light	14
				P	20-30	4	21		26
				TP	20-30, 20	4	21		2
<i>Cuphea lanceolata</i>	Starfire Cigar Plant			TP	20-30	4	21	Light; prechill 5-7 days	7
<i>Cyclachaena xanthifolia</i>	Carelessweed			P(a)	15			Light	7
<i>Cyperus eragrostis</i>	Tall Flatsedge	8,705		TCT	20-35	5	21	Prechill (5C) for fresh and dormant seed	26
<i>Cyperus invoicratus</i>	Umbrella Sedge			TP	10-30	7	28	Light; Prechill 5-7 days	1
				P	20-30			Continue until no further response, needs good moisture	16
<i>Cyphomandra betacea</i>	Tree Tomato			TP	25-30	14	20	Light 24 hours; prechill 1 day at 5C.	64
<i>Danthonia californica</i>	California Oatgrass			P	20-25	7	28	Light; prechill 7 weeks	38, 39
<i>Danthonia parryi</i>	Parry Oatgrass			P	20-30	7	?		40, 11
<i>Datura innoxia</i>	Pricklyburr		25/	TP BP	20-30, 20	5	21	Prechill, scratch hard seeds	2
				P	20-30	14	30	Poison	16
<i>Datura stramonium</i>	Jimsonweed		25/	TP BP	20-30, 20	5	21	Prechill, scratch hard seeds	2
				BP	20-30	7	28		1
<i>Deschampsia elongata</i>	Slender Hairgrass	8621		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days. For Deep dormancy cut through endosperm, GA3, Chill at 5C for 16 hours	26
<i>Descurainia pinnata</i>	Western Tansy Mustard			P(a)	20-30			Dark	7
				P(a)	20			Dark	7
<i>Desmanthus virgatus</i>	Wild Tantan		5/50	P	20-30	5	21		21
<i>Diascia barberae</i>	Twinspur			TP BP	15	4	10	Light	1
<i>Dicentra eximia</i>	Turkey Corn	489	5/					TZ	6, 16
<i>Dichanthium annulatum</i>	Diaz Bluestem		1/10	P	20-30	5	21	KNO3; Prechill 14 days	21
<i>Dichanthium aristatum</i>	Angelton Bluestem		2/20	P	20-30	5	21	KNO3; prechill 14 days	21
<i>Dichanthium papillosum</i>	Medio Bluestem		1/10	P	20-30	5	21	KNO3; prechill 14 days	21
<i>Dichanthium spp.</i>	Old World Bluestem		1/10	P	20-30	5	21	KNO3; prechill 14 days	21
<i>Dichelostemma capitatum</i>	Blue Dicks	1,388		RT	15	7	21	GA3, Prechill at 5C for 5 days. For Deep dormancy cut through endosperm, GA3, Chill at 5C for 16 hours	26
<i>Digitaria californica</i>	AZ Cottonop	1578	1/10	P	20-30	7	28	KNO3	21
				P	20-30	7	28	Light, KNO3	12
<i>Dimocarpus longan</i>	Longan	0.7		S	25-30		17	Light 24 hours	64
<i>Dioclea hexandra</i>	Bejuco de Mato						30	Scarify seed coat than soak 24 hours to help imbibe	42
<i>Dipacus fullonum</i>	Fuller's Teasel			P	20	6	14		16
<i>Diplacus clevelandii</i>	Cleveland's Bush Monkeyflower	23,937		TB	15	7	21	Light, GA3	26
<i>Diplacus puniceus</i>	Red Bush Monkeyflower	29,621		TB	15	7	21	Light, GA3	26
<i>Doronicum cordatum</i>	Leopards-bane	633	1.75/17.5	B	20	7	21		6
					20		16		1
					20-25	14	21		8
<i>Dracaena draco</i>	Dragon Tree			BP	20-30	7	28	Soak 12 hours at 20c	2a
					20-30		35	Soak 4 hours	18
				P	15	7	28	Light, KNO3	4
				B	20-30	7	28	Soak 24 hours	16
		4	1000	TB	20-30		28		15
				P, TB	20-30	15	30		18
				T	20	10	28	Light, TZ for dormancy	18
<i>Dracocephalum moldavica</i>	Moldavian Dragonhead			TB	20	4	12		1
<i>Dracopis amplexicaulis</i>	Clasping Coneflower	1871	2		20	3	14		16
<i>Drosanthemum floribundum</i>	Showy Dewflower	48		TB	20	5-7	21	Light, Prechill 5C for 5 days for fresh or dormant seed	26
<i>Dryobalanops aromatica</i>	Borneo Camphor	0.2		S, PB	25-30		10	Light 24 hours	64
<i>Duchesnea indica</i>	Indian Strawberry			TP	20-30	7	28	Light	1
<i>Duranta erecta</i>	Golden Dewdrops			TP	25-30	31	42	Light 24 hours	64
<i>Durio zibethinus</i>	Durian	0.07		S	25-30	20	35	Light 24 hours	64
<i>Eccremocarpus scaber</i>	Chilean Glory Flower			TB	20	10	25	Dark	1
<i>Echeveria spp.</i>	Hen and Chicks				20		14		18
<i>Echinodorus berteroi</i>	Upright Burhead	3620		TB	20	5	21	Prechill (5C) for dormant seed	26
<i>Echium plantagineum</i>	Salvation Jane			TB	20	4	12		1
<i>Ehrendorferia chrysantha</i>	Golden Ear-drops	1110		TB	15	5	21	Prechill for fresh and dormant seed	26
<i>Eleais guineensis</i>	African Oil Palm	0.2		PB	25-30	28	42	Light 24 hours	64
<i>Eleocharis macrostachya</i>	Pale Spikerush	2373		TCT	20-35	5	21		26
<i>Elymus brevistaratus ssp scabrifolius</i>	Jepson's Blue Wildrye			TB	15-25	5	14	Light, KNO3, Prechill for 7 days	71
<i>Elymus elymoides</i>	Squirreltail		3/30	BT	20-30		21	Light, KNO3, prechill 7 days at 5C.	67
<i>Elymus lanceolatus</i>	Thickspike or Streambank Wheatgr	343		P	20-30	5	14	Light, Precjill 5 days	57-59
				BT	20-30	5	14	Prechill 5 days at 5C.	5
			7/70	TP	20-30	7	21	Prechill, KNO3	2
			10						2
<i>Elymus multisetus</i>	Big Squirreltail	253		TB	20	7	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3, chill at 5C for 16 hours.	26
<i>Elymus repens</i>	Quackgrass	270		P	15-30	5	14		67
			10	TP	20-30	7	21	Prechill, KNO3	3
									2
<i>Elymus semicostatus</i>	Dropping Wildrye	130		P	20		10	KNO3	67
				P	15-30			Light	12
				P	15			Dark	13
<i>Elymus trachycalvus ssp subsecundum</i>	Slender Wheatgrass	257						Use method in AGOSA rules for <i>A. trachycalvus</i>	57, 58
<i>Emilia javanica</i>	Tassel Flower			TP	10-30	5	14	Light	1
<i>Encelia actoni</i>	Acton's Brittlebush	570		TB	20	5	14	Light, Prechill at 5C for 5 days for fresh and dormant seed	26
<i>Encelia californica</i>	California Brittlebush	756		TB	20	5	14	Light, Prechill at 5C for 5 days for fresh and dormant seed	26
<i>Encelia farnosa</i>	Brittlebush	1120		TB	20	6	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Engelmannia peristenia</i>	Englemann Daisy		10/100	P	20-30	5	10	KNO3, prechill 14 days	21
<i>Enneapogon desvauxii</i>	Nineawn Papyrusgrass			P	20-30	7	21	Light, KNO3	12
<i>Entada gigas</i>	Niker Bean						30	Scarify seed coat with file or notch, soak 24 hours or until imbibed	42
<i>Epigaea repens</i>	Trailing Arbutus				15-25		60	Light, prechill 30 days at 5C.	20h
<i>Epiobium canum</i>	Hummigbird Trumpet	2044		TB	20	5	21	Prechill for fresh or dormant seed	26
<i>Epiobium ciliatum</i>	Fringed Willow Herb	37078		TB	20	7	21	Light	26
<i>Eragrostis atherstonei</i>	Atherstone Lovegrass			P	20-35	7	21	Light, KNO3, Prechill 14 days	12
<i>Eragrostis erosa</i>	Chihuahuan Lovegrass			P	20-35	7	28		12
<i>Eragrostis intermedia</i>	Plains Lovegrass		0.5/5	P	20-35	7	28	KNO3, Prechill 7 days	21
				P	20-35	7	28	KNO3, Light	12
<i>Eragrostis lehmanniana</i>	Lehmann Lovegrass	9331		P	17	7	28	KNO3	67
			0.25/2.5	P, TB, K	20-30	7	28	Light, KNO3, preheat 24 hours at 35C or prechill 5 days at 10C.	12, 29, 43
				P, B	20-30	5	28	Light	5
			0.5/5	P, B	20-30	5	14	Prechill 4 weeks	5
<i>Eragrostis superba</i>	Wilman's Lovegrass		2/20	P	20-30	5	14	KNO3, Prechill 7 days	21
				P	20-30	7	21	Light	12
<i>Eragrostis trichodes</i>	Sand Lovegrass		1/10	P	20-30	5	14	KNO3	21
<i>Erechtites hieracifolia</i>	Pilewort				20-30	4	14	Prechill 60 days	20a
<i>Eremocarpus setigerus</i>	Dove Weed	187		T	20	7	21	GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA, Chill at 5C for 16 hours.	26
<i>Encameria palmeri</i>	Palmer's Goldenbush	4098		TB	20	5	21	Prechill at 5C for fresh and dormant seed.	26
<i>Encameria pinifolia</i>	Pine-bush	1967		TB	20	5	21	Prechill at 5C for fresh and dormant seed.	26
<i>Engeron decumbens</i>	Willamette Fleabane			TB	15-25	7	14	Prechill 12 weeks	70
<i>Enogonum compositum</i>	Arrowleaf Buckwheat			P	20			Dark	7
				P(a)	15			Light	7
<i>Enogonum elatum</i>	Tall Woolly Buckwheat			P(a)	20-30			Dark	7
<i>Enogonum fasciculatum</i>	Eastern Mojave Buckwheat	1060		TB	20	7	21	GA, Prechill 5C for 5 days. Deep dormancy cut through cotyledon, GA, chill at 5C for 16 hours	26
<i>Enogonum gracile</i>	Slender Woolly Buckwheat	6207		TB	20	7	21	Light, Prechill 5C for 5 days for fresh and dormant seed	26
<i>Enogonum latifolium</i>	Seaside Buckwheat	1114		TB	20	5	21	Prechill 5C for fresh and dormant seed	26
<i>Enogonum umbellatum</i>	Sulphur Flower	457	5.47	TB	15-25	7	28	Light, prechill at 3 - 5C	73

<i>Eriophyllum confertiflorum</i>	Golden Yarrow	7575		Tb	20	7	21	GA, Prechill 5C for 5 days. Deep dormancy cut through cotyledon, GA, chill at 5C for 16 hours	26
<i>Eriophyllum lanatum</i>	Common Woolly Sunflower			P(a)	20-30			Dark	7
<i>Eriophyllum staechadifolium</i>	Seaside Woolly Sunflower	5138		TB	20	5	14	Light, Prechill 5C for 5 days for fresh and dormant seed	26
<i>Erysimum cheiranthoides</i>	Wormseed Wallflower			BT	20-30			KNO3	9
<i>Eschscholzia lemmonii</i>	Lemmon's Poppy	1768		TB	15	5	10	GA or KNO3 for fresh and dormant seed	26
<i>Eucrypta chrysanthemifolia</i>	Spotted Hideseed	2703		TB	20	5	21	Prechill and GA for fresh and dormant seed	26
<i>Eupatorium perfoliatum</i>	Common Boneset				20-30	8	14	Light	20a
<i>Euphorbia cyparissias</i>	Cypress Spurge				15-25			Light, KNO3, prechill 21 days at 5C	20n
<i>Euthamia graminifolia</i>	Flat-top Goldenrod			B		10	15		20a
<i>Euthamia occidentalis</i>	Western Goldenrod	13159		TB	20	5	21	Prechill at 5C for fresh and dormant seed.	26
<i>Fallugia paradoxa</i>	Apache-plume	1100	1/		20,22	7	14	Prechill 30 days at 3 - 5C.	68
					20	7	21	Dark	16
<i>Fatsia japonica</i>	Paperplant	194	15/ 13/130	TP	20,20-30	7	28		2
				TP	20-30	7	28		6
				B	20	7	28		44
				TB	20-30	7	28	Light, prechill 5-7 days	1
<i>Felicia bergeriana</i>	King Fisher Daisy			TB	20	5	30	Light	1
<i>Ferocactus covellii</i>	Barrel Cactus			PP	20-30	7	21	Light	14
<i>Festuca arizonica</i>	Arizona Fescue			PP	15-25	7	21		62
<i>Festuca californica</i>	California Fescue			TCT	15-25	7	21	Cut through endosperm, GA and chill at 5C for 16 hours	26
<i>Festuca idahoensis</i>	Idaho Fescue			P	15-25	7	21		57,58
		769		TCT	15-25	7	21	GA3, prechill at 5C for 5days. Deep dormancy cut through endosperm, GA3, chill at 5C for 16 hours	26
<i>Festuca occidentalis</i>	Western Fescue	874		TCT	15-25	7	21		26
<i>Frageria vesca cv. Alpine</i>	Woodland Strawberry	3174 2442	1/ 1/10	TB	20-30,20	7	28	Light	6
				P.TB	20	7	21	Light	16
				TP	20-30	7	21		2
				P	20	14	21		4
				PB	20	14	28		32
				P	20-30	7	28		14
				P	20	7	35	KNO3	15
<i>Frankenia salina</i>	Alkali Heath	5500		TB	20	5	21	Prechill %c for fresh and dormant seed	26
<i>Fressia corymbosa</i>	Fressia		25/	TP,BP	20,15	7	35	Pierce seed, chip or file off fragment of testa, prchill	2
				BP	15	7	35	Light	1
<i>Galeopsis segetum</i>	Hemp Nettle			TP	15	7	21	Light	1
<i>Galium boreale</i>	Northern Bedstraw			P(a)	20-30			Light, Prechill 4 weeks at 3C.	7
<i>Galium odoratum</i>	Sweetscented Bedstraw	151	17/	BP	10	7	21		6
								TZ	1
<i>Gamolepis tagetes</i>	Bush Daisy			TP	20-30	5	14	Light	1
<i>Garcinia mangostana</i>	Mangosteen	1.25		S	25-30		28	Light 24 hours	64
<i>Gautheria shallon</i>	Salal	5915	0.5/	BP	20	7	60		6
				P	20-30			Continue until no further response, prechill 21-28 days	16
<i>Gautheria procumbens</i>	Eastern Teaberry	7870	0.5/	P	20-30	7	60	Continue until no further response, prechill 21-28 days	16
<i>Gentiana acaulis</i>	Stemless Gentian			TP	10/30	7	35	Light, GA3	1
			0.7/	TP	20-30,20	7	28	TZ	16
<i>Geum aleppicum var. strictum</i>	Yellow Avens				15-25	14	28	Prechill	2
<i>Geum rivale</i>	Purple Avens				15-25	14	28	Light	20a
					15-25	14	28	Prechilling not necessary	20a
					20-30	14	90	Prechilling not necessary	20a
<i>Gnaphalium leontopodium</i>	Edelweiss			TP	20-30	5	14	Light	1
<i>Gnaphalium microcephalum</i>	White Everlasting			P(a)	15			Light	7
<i>Grindelia camporum</i>	Giant Valley Gumplant	571		TB	15-25	5	21	Prechill not recommended	26
<i>Grindelia nana</i>	Idaho Gumweed			P(a)	15-25			Light, prechill 4 weeks at 3C.	7
<i>Grindelia squarrosa</i>	Curlycup Gumweed			P(a)	15			Light	7
<i>Gutierrezia bracteata</i>	San Joaquin Snakeweed	7633		TB	20	7	14		26
<i>Gutierrezia sarothrae</i>	Broom Snakeweed	1666	2/ 1/10	TB	20-30	3	7	Light, KNO3	68
		1666	2/	TB	20-30	7	28		5
<i>Gynerium sagittatum</i>	Wild Cane		2/	B	15-25	3	7		6
				B	20-30				6
<i>Gypsophila muralis</i>	Annual Baby's Breath				15		8		45
<i>Hamamelis virginiana</i>	Witch Hazel			TB	25		7	Embryo excision	6
		22		BP	20-30	7	28		1
				S	20-30		60	60 days at 20-30C then 90 days at 3-5C	36
<i>Hazardia squarrosa</i>	Saw-toothed Goldenbush	1269		TB	20	7	21	Light, Prechill 5C for fresh and dormant seed	26
<i>Hedysarum coronarium</i>	Sulla			TP	20-30	7	21		1
<i>Helianthella douglasii</i>	Douglas Sunflower			P(a)	15			Light	7
				P(a)	20-30			Dark	
<i>Helianthemum nummularium</i>	Common Rockrose	766	3/	TP	20-30	3	21	Scarify with sandpaper	1
				TP	20-30	7	28	Scarify with sandpaper	6
<i>Helianthemum scoparium</i>	Bisbee Park Rushrose	2251		TB	20-30	5	21	Prechill 5C for fresh and dormant seed	26
<i>Helianthemum sp</i>	Frostweed			P(a)	15	7	21	Light, firm seed present	14
<i>Helianthus cucumerifolius</i>	Cucumber-leaf Sunflower			TP	20-30	4	21	Light	1
<i>Helionis multiflora</i>	Showy Golden-eye Daisy			P(a)	15	7	28	GA for dormancy	16
<i>Heliphila longifolia</i>	False Blue Flax			BP	20	3	14		1
<i>Hemerocallis sp</i>	Daylily	33	76/	B	20	7	21	Prechill 21 days at 5C	6
				P(a)	20	7	21		28
				T	20	7	28	Light, Prechill 21 days	14
<i>Hemizonia fasciculata</i>	Clustered Tanweed	2610		TB	20	7	21	GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, prechill at 5c for 16 hours	26
<i>Hesperoyucca whipplei</i>	Chaparral Yucca	63		C	20	7	21		26
<i>Heterotheca villosa</i>	Hairy False Golden Aster				15	7	28	Light, may have dormancy	16
<i>Hevea brasiliensis</i>	Rubber Tree	7		S	25-30	14	21	Light 24 hours	64
<i>Hibiscus sabdariffa</i>	Roselle			S,TP	25-30	13	16	Light 24 hours	64
<i>Hibiscus trionum</i>	Flower-of-the-Hour			B	20-30	3	7	20 minutes H2SO4	3
		10/		TP,BP	20-30	4	21		2
<i>Hieracium aurantiacum</i>	Orange Hawkweed				20		21		20j
<i>Hieracium piloselle</i>	Mouse-ear Hawkweed			TB	20,20-30		10		17
<i>Hieracium scabrum</i>	Rough Hawkweed				15-20		55		20a
					20-30		55		20a
<i>Hilaria belangeri</i>	Curly Mesquite	591	5/50	P.B	20-35	7	21	Light, KNO3	67,12
<i>Hilaria Mutica</i>	Tobosa	587		P	20-30	7	14	Light	67,12
<i>Hilaria rigida</i>	Big Galleta Grass	73		P	20-30	7	14	Light	67,12
<i>Hippeastrum vittatum</i>	Amaryllis			BP	20-30	7	28		1
<i>Hordeum brachyantherum</i>	Meadow Barley	254		TB	20	7	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, prechill at 5c for 16 hours	26
<i>Hordeum bulbosum</i>	Bulbous Barley	110		B	20	7	14	Prechill 5 days	67,11
<i>Hordeum depressum</i>	Dwarf Barley	352		TB	20	7	14	Light, GA3, Prechill 5C for 5days. Deep dormancy cut through endosperm, GA3 chill at 5C for 16 hours	26
<i>Hordeum jubatum</i>	Squirreltail Grass			TP	20-30	4	14	Light	1
		428		BP	20	4	7	Prechill, KNO3, GA3	2
				TB	20	7	14	GA3, Prechill at 5C for 5 days.	26
<i>Horkelia congesta ssp congesta</i>	Sierra Horkelia			TB	15-25	7	14	Prechill (stratify) for 12 weeks	70
<i>Hosta spp</i>	Plantain Lily	267	6/20	B	15	7	40		6
<i>Hyparrhenia hirta</i>	Thatching Grass	1350		P	20	7	28	Prechill 4 weeks	67,46
<i>Hypericum calycinum</i>	Aaron's Beard	1663	2/	TP	10-30	7	28	Light	1
				TB	15-25	7	28	Light, KNO3 or TZ	1,16,6
<i>Hypericum perforatum</i>	Common St. Johnswort		0.03/	TP	20-30,20	4	21	Light; new seed	2
				TB	20-30	12	21	Older seed	20b
		8048	0.25/	B	20,15-25	7	14	Light, KNO3	6
				TB	5-25,20-30	7	28		1
					10-30	7	21		1
<i>Hypericum punctatum</i>	Spotted St. Johnswort				20-30	10	21	Light	20a
<i>Hypochoeris radicata</i>	False Dandelion			P(a)	20-30			Dark	7
				TP	15	7	14	Light	1

<i>Incarvillea delavayi</i>	Hardy Gloxinia			BP	20	5	15			1
<i>Indigofera miniata</i>	Coastal Indigo		5/50	FP	20	5	21			21
<i>Inula helenium</i>	Elecompane		4/	TP	20-30,20	7	28			2
				TP	20-30	7	28		Light	1
<i>Ionopsidium acaule</i>	False Diamond Flower			BP	20		47			1
<i>Ipomopsis rubra</i>	Standing Cypress	25987	3/30	BP	15,20	7	28		Light	6
				TP	15	5	15		Light	1
					20-30		21			18
				PP	20,20-30		14		Light	28
				P	20	7	14			4
				P,TB	15	7	28		Dormant seed	16
<i>Iris missouriensis</i>	Rocky Mountain Iris		5/50	TB	15-25	5	21		Light, prechill 3 weeks	5
									TZ	16
<i>Isocoma menziesii</i>	Menzie's Goldenbush	2129		TB	20	5	21		Prechill at 5C for 5 days. Deep dormancy, cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Ixora javanica</i>	Jungle Geranium	14		S	25-30	34	42		Light 24 hours	64
<i>Jacaranda mimosifolia</i>	Jacaranda	63	40/	P	20-30	7	21			6
				P	20-30	7	21			16
				P	20-30	7	21			4
				BP	20	5	15			1
<i>Juncus bufonius</i>	Toad Rush	60,675		TCT	15	7	21		Light, GA3 for fresh and dormant seed	26
<i>Keckiella antirrhinoides</i>	Snapdragon Penstemon	5798		TB	15	7	21		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Lactuca biennis</i>	Blue Lettuce			TB	15-25	7	10		Light, KNO3	201
				TB	20-30	7	10		Light, KNO3	201
				P(a)	20-30					7
<i>Lactuca serriola</i>	Prickly Lettuce			P(a)	20				Dark	7
				P(a)	15				Light	
<i>Lagerstroemia indica</i>	Crape Myrtle	2592	65/50	TP	20-30	7	21		Light	1
				B	20-30	7	21			6
				TB	20-30	7	21			14
<i>Lagurus ovatus</i>	Hare's-tailgrass			TP	10-30	7	21		Light	1
				B	15-25					6
				P(a)	20-30	5	10			4
				TB,P	20-30	7	10		Light	16
				TB	20-30	5	14			2a
<i>Lamarkia aurea</i>	Goldentop Grass			TP	20-30	7	21		Light, prechill 5-7 days at 10C.	1
<i>Lamprocapnos spectabilis</i>	Bleeding-heart	193 211	13/	TP	20-30	7	28		GA3 Seed must be frozen TZ	6 8 16
<i>Lapsana communis</i>	Nippewort			P(a)	20-30 20-30	4	7		Dark	20a 7
<i>Lasthenia glabrata</i>	Yellowray Goldenfields	4484		TB	20	7	14		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Legousia speculum-veneris</i>	Venus'-looking-glass		1/	TP	10-30	7	21		Light	1
				TP, BP	20,20-30	4	21		Light, prechill	20a
<i>Leontodon autumnalis</i>	Fall-dandelion			TP	20-30	7	14		Light, prechill 5-7 days at 10C.	1
					20-30	4	21			20a
<i>Lepidium campestre</i>	Field Peppergrass			TS	20-30	4	10		Light	3
				B	15,15-30		10		KNO3	9
<i>Lepidium perfoliatum</i>	Ciasping-leaved Peppergrass			P(a)	15,20				Dark	7
<i>Lepidium virginicum</i>	Virginia Peppergrass			TB	20-30		14		Light, KNO3	9
<i>Lepidospartum squamatum</i>	California Broomsage	1061		TB	20	5	14		Light	26
<i>Leptochloa dubia</i>	Green Sprangletop		2/20 2/20	P(a)	15-25	7	21		Light; alt. Prechill 5 days at 10C and test at 15-30C or prechill 7 days at 10C	12
				P,TB,K	20-30	7	21		Light, KNO3	21
				P,TB,K	20-30	5	21		Light, KNO3	5
				B,TB	20-30	7	14		Light, KNO3; may be dormant	16
<i>Lessingia filaginifolia</i>	Common Sandaster	2619		TB	20	7	21		Prechill at 5C for 5 days.	26
<i>Leucaena retusa</i>	Littleleaf Leadtree		50/500	FT	10	7	14		KNO3	21
<i>Leucanthemum vulgare</i>	Oxeye Daisy	4540	5/	P(a)	20-30,15				TZ	68
				TB	20	4	14		Light	7
		1506	2/	TB	15,20-30	7	21		Light	1
				P	15	5	10			6
				TP,YP	20-30	7	21		Light, prechill	4 2
<i>Leymus condensatus</i>	Giant Wildrye	413		TCT	15-25	7	21		Light	26
<i>Leymus racemosus</i>	Mammoth Wildrye			T	20-30	7	28			11
<i>Leymus salinus</i>	Salina Wildrye			P	20-30	7	28		Light	12
<i>Leymus triticoides</i>	Beardless Wildrye	112		P	7	35			Light, KNO3	67,12
<i>Liatris pycnostachya</i>	Prairie Blazing Star	434 321	6/ 8/	TB	20-30	7	28			68
				TP	20-30	7	28		Light	6
					20-30	7	28			1
				B	20-30	5	28			2
					20-30		28			16
<i>Lilium candidum</i>	Madonna Lily			TP	20	7	28		Light	1
<i>Limnanthes douglasii</i>	Douglas Meadow Foam			TP	15	7	28		Light	1
<i>Limonium bellidifolium</i>	Matted Sea Lavender		5/	TP, BP	15,10	5	21		Soak in water 24 hours	2
				T	15	7	21		Light	14
				TB	20	5	20			1
<i>Limonium latifolium</i>	Wideleaf Sea lavender			HT	15	6	18			14
			5/	TB	20	5	20			2
				BP,TP	15,10	5	21		Soak in water 24 hours	14
<i>Limonium perezii</i>	Perez's Sea Lavender				15	7	21		Light	14
<i>Limonium tartaricum</i>	German Statice			HT	15	6	18			14
				TB	20	5	20			1
				BP,TP	15,10	7	21			2
<i>Linaria dalmatia subsp. Dalmatica</i>	Dalmation Toadflax			P(a)	20-30				Dark, Prechill 1 week at 3C	7
				P(a)	20				Dark, Prechill 1 week at 3C	7
<i>Linaria vulgaris</i>	Butter-and-Eggs		0.2/	TP	15,10	4	21		Prechill	2
				P(a)	20-30				Dark	7
					15-25		10		Light	20a
<i>Litchi chinensis</i>	Lychee			S	25-30		16		Light 24 hours	64
<i>Lithops spp.</i>	Living Stones	16359	0.25/	TB	20	7	21		Light	6
				TB	20	7	21		Light	14
				TB	20-30	7	21			2a
<i>Lithospermum ruderale</i>	Western Stoneseed			P(a)	15,20				Dark, Prechill 4 weeks at 3C.	7
<i>Livistona chinensis</i>	Fountain Palm	1		S	25-30	38	51		Light 24 hours	64
				S	30	10	70		Soak in water 30C for 48 hours, mixture of sand and peat	2a
<i>Lobelia cardinalis</i>	Cardinal Flower			TP	20-30	7	21		Light, prechill 5-7 days	1
			0.01/	TP	20-30,20	7	21		Light, KNO3; prechill	2
		17325	0.25/	TB	20-30	7	21		Light, KNO3, GA on dormant seed	6
<i>Lomatium bradshawii</i>	Bradshaw's Desert Parsley			TB	15-25	7	14		Prechill for 12 weeks at 4C.	70
<i>Lomatium grayi</i>	Gray's Biscuitroot	67	37	TB	15-25	7	28		Freshly collected seed requires 28 - 63 days prechill at 3-5C.	73
<i>Lomatium macrophyllum</i>	Large-leaved Lomatium			P(a)	15				Dark	7
<i>Lomatium triternatum</i>	Nineleaf Biscuitroot	210	12	TB	15-25	7	28		Freshly collected seed requires 28-63 days prechill at 3-5C.	73
<i>Lonas annua</i>	Yellow Ageratum		0.6/	TP	10-30	5	12		Light	1
				TP	20-30	4	14			2
<i>Lotus heermannii</i>	Heermann's Lotus	664		T	20	5	21		Prechill (5C) for fresh and dormant seed.	26
<i>Lotus scoparius</i>	Deerweed	399		T	20	7	21		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Lotus strigosus</i>	Strigose Bird's-foot Trefoil	867		T	20	7	21		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Lotus unifoliolatus</i>	American Bird's-foot Trefoil	274		T	20	7	21		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Lupinus bicolor</i>	Minature Lupine	221		T	20	5	18		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Lupinus microcarpus var. microcarpus</i>	Chick Lupine	63		T	20	6	18		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours. Hard see	26
<i>Lupinus nanus</i>	Sky-blue-and-white Lupine	123		T	20-30,20	6	18		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours. Hard see	26
<i>Lupinus sparsiflorus</i>	Coultter's Lupine	275		T	20	6	18		Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours. Hard see	26
<i>Lupinus sulphureus ssp. Kincaidii</i>	Sulphur Lupine			TB	15-25	7	14		Scarfly then prechill 4 weeks at 4C.	70

<i>Lupinus truncatus</i>	Collared Annual Lupine	102		T	20-30	6	18	Prechill at 5C for 5 days. Deep dormancy cut through cotyledons, chill at 5C for 16 hours. Hard Seed	26
<i>Lychnis x haageana</i>	Maltese Cross Red Campion			B P TB	20-30 20-30 20-30	7 14 5	14 14 15	Light	6 28 1
<i>Lycurus phleoides</i>	Wolftail			P	20-30	7	21	Light	12
<i>Lysimachia ciliata</i>	Fringed Loosestrife				20-30		85	Light	20a
<i>Lysimachia punctata</i>	Large Yellow Loosestrife			TP	20-30	7	21	Light, prechill 5-7 days at 10C	1
<i>Lysimachia quadrifolia</i>	Whorled Loosestrife				20-30		85	Light	20a
<i>Machaeranthera bigelovii</i>	Bigelow's Tansyaster		3/30	TB	15 20-30	7	21 28	Light, KNO3	16 5
<i>Macleaya cordata</i>	Plume Poppy			TP	10-30	7	28	Light	1
<i>Madia elegans</i>	Common Madia	573		TB	20	7	21	Light, Prechill at 5C for 5 days	26
<i>Madia exigua</i>	Little Tarweed			P(a)	15			Dark	7
<i>Madia sativa</i>	Coast Tarweed			P(a)	15			Dark	7
<i>Malanthemum racemosum</i>	Feathery False Lily of the Valley							No light, 6 months at 5C, then 3 months at 20C then 5 months at 10C then germinate at 20C	23
<i>Malacothamnus fasciculatus</i>	Mendocino Mallow	874		TB	20	7	21	Prechill at 5c for 5 days. Deep dormancy cut through cotyledons, GA, chill at 5C for 16 hours	28
<i>Malacothrix saxatilis</i>	Ciff Desertdandelion	5714		TB	20	7	21	Prechill at 5c for 5 days. Deep dormancy cut through cotyledons, GA, chill at 5C for 16 hours	26
<i>Malope trifida</i>	Annual Mallow			BP	20	4	14		1
<i>Malva moschata</i>	Musk Mallow	679 382	5/ 6/ 6/	TB TB TB	20 20-30 15,20-30	5 7 7	25 28 21	For unscarified seed (hard seed) 15 minutes H2SO4 scarification	68 1 6
<i>Mangifera indica</i>	Mango			S	25-30	14	28	Light 24 hours	64
<i>Manilkara zapota</i>	Sapodilla	2		S	20-30		29	Light 24 hours	64
<i>Marrubium vulgare</i>	Horehound	1039	3/	TB B TB B TP	20-30 20-30 20-30 20-30 20-30	7 5 14 5	21 20 20 21	Light light; prechill 5-7 days at 10C light appears to inhibit germination Prechill	6 7 1 47 2
<i>Meconopsis cambrica</i>	Welch Poppy			BP	20	7	28		1
<i>Melica californica</i>	California Melic	679		TCT	15-25	7	21	GA, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA, chill at 5C for 16 hours.	26
<i>Melica imperfecta</i>	Smallflower Melic			P P TCT	10 20-Oct 15-25			Light Light GA3, Prechill at 5C for 5 Days. Deep dormancy cut through endosperm, GA, chill at 5C for 16 hours	34.31 34.31 26
<i>Melinis repens</i>	Rose Nativgrass			PP	20-30	7	21	Light	14
<i>Menodora longiflora</i>	Showy Mendora		10/100	T	20-30	5	21		21
<i>Mentzelia lindleyi</i>	Lindley's Blazing Star			BP P	15 15	5	15 8		1 16
<i>Mimulus aurantiacus</i>	Orangebush Monkeyflower	27,600		TB	15	7	21	Light, GA3	26
<i>Mimulus cardinalis</i>	Scarlet Monkeyflower	57,873		TB	20	7	21	Light, GA3	26
<i>Mimulus guttatus</i>	Monkeyflower			P(a) TB	20-30 15				7 26
<i>Mimulus longiflorus</i>	Southern Bush Monkeyflower	128,575		TB	15	7	21	Light, GA3	26
<i>Mimulus longiflorus</i>	Southern Bush Monkeyflower	25,211		TB	15	7	21	Light, GA3	26
<i>Mimulus ringens</i>	Allegheny Monkeyflower				15-25		30	Light, prechill 60 days	20a
<i>Mimulus elengi</i>	Spanish Cherry	30		S	25-30		66	Light 24 hours	64
<i>Mina lobata</i>	Spanish Flag			BP	20-30	3	20		1
<i>Momordica balsamina</i>	Southern Balsam Pear			BP	20-30	50	15		1
<i>Momordica charantia</i>	Balsam Pear			BP	20-30	5	15		1
<i>Monarda spp.</i>	Beebalm				20-30		21		18
<i>Mucuna spp.</i>	Sea-bean						30	Scarify seed coat with file or notch, soak 24 hours or until imbibed	42
<i>Muhlenbergia montana</i>	Mountain Muhly			P	20			Light, KNO3	11
<i>Muhlenbergia porteri</i>	Bush Muhly	493							67 21 29.34
<i>Muhlenbergia rigens</i>	Deergrass	5319	1/10	P	20-35	7	14	Light, KNO3	26
<i>Muhlenbergia wrightii</i>	Spike Muhly			TCT	15-25	7	21	GA, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA, chill at 5C for 16 hours.	26
<i>Murraya exotica</i>	Chinese Box	25	100/	S	25-30	10	18	Light 24 hours	64
<i>Myosotis stricta</i>	Strict Forget-me-not			P(a)	15			Light	7
<i>Myristica fragrans</i>	Nutmeg	0.14		S	20-35		18	Light 24 hours	64
<i>Nassella cernua</i>	Nodding Needlegrass	480		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3, chill at 5C for 16 hours	26
<i>Nassella lepida</i>	Foothill Needlegrass	1163		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3, chill at 5C for 16 hours	26
<i>Nassella pulchra</i>	Purple Needlegrass	212		TCT	15-25	7	21	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3, chill at 5C for 16 hours	26
<i>Nepeta racemosa</i>	Raceme Catnip	1485	2/	TB TB TB	20 20-30 20-30	7 7 5	21 21 20	Light Light Light, prechill 5-7 days at 10C.	6 14 1
<i>Nephelium lappaceum</i>	Rambutan	0.3		S	25-30	10	14	Light 24 hours	64
<i>Nephelium malaiense</i>	Logan	21		S	32-30		16	Light 24 hours	64
<i>Nicandra physalodes cv. violaceae</i>	Apple-of-Peru			TP	20-30	5	15		1
<i>Nolana paradoxa</i>	Chilean Bellflower			BP	20-30	4	12		1
<i>Nuttallanthus candensis</i>	Old-field Toadflax				15-25		14	Light, prechill at 3-5C.	20a
<i>Oenanthe samentosa</i>	Water Parsley			BP	20-30			Dark	7
<i>Oenothera hookeri</i>	Hooker Evening Primrose	2551		TCT	20-30	7	21	Light, prechill at 5C for 5 days for fresh and dormant seed.	26
<i>Oenothera erythrosepala</i>	Evening Primrose	2772	1/	TP P	20-30 20-30	7 4	14 14	Light	6 1 48 16
<i>Oenothera fruticosa</i>	Narrowleaf Evening Primrose	250	10/	P TB TP P P	20-30 20-30 20-30 20-30 20-30	3 7 4 6 3	12 14 14 12 12	Light Dark Dark	1 4 16
<i>Oenothera glazioviana</i>	Red Sepal Evening Primrose	2546		TB	20	7	21	Light; GA3 for fresh or dormant seed	26
<i>Oenothera macrocarpa</i>	Bigfruit Evening Primrose	188	10/ 13/130	TP BP P P TP	20-30,20 15,20 20-30 20-30 20-30	4 7 6 3 7	21 21 12 12 21	KNO3 Dark Dark Light	2 6 4 49 1
<i>Oenothera lindheimeri</i>	Lindheimer's Beeblossom			TP	20-30	7	21	Light	1
<i>Oenothera speciosa</i>	Pinkladies	7436		TB	20	7	21	Light	26
<i>Omphalodes linifolia</i>	Navelwort			BP	20-30	7	21		1
<i>Onopordum acanthium</i>	Scotch Cottonthistle			BP	20-30	7	28		1
<i>Orthocarpus barbatus</i>	Grand Coulee Owl Clover			P(a)				Prechill 4 weeks at 3C then 20-30C with light	7
<i>Orthocarpus tenuifolius</i>	Thinleaved Owl Clover			P(a)				Prechill 4 weeks at 3C then 20-30C with light	7
<i>Oxalis corniculata</i>	Creeping Woodsorrel			TP	10-30	7	28	Light	1
<i>Pachycereus pectenaboriginum</i>	Native's Comb Cactus			PP	20-30	6	18	Light	14
<i>Panicum bulbosum</i>	Bulb Panicgrass			PP	15-35	10	28	Light, KNO3	??
<i>Panicum coloratum</i>	Kleingrass		2/	TP P,TB,K P	20-35 20-30 15-25	7 7 7	28 21 28	Light, KNO3, prechill 7 days at 10C. Light	2 2 12
<i>Panicum obtusum</i>	Vine Mesquite	314		P TB	20-35 20-30	7 5	28 21	Light, KNO3 Light, KNO3	67 29 51
<i>Panicum stapifanum</i>				P	15-25	7	28	Light	12
<i>Papaver alpinum</i>	Dwarf Poppy			P P TB BP	20 15 15,10 15,10		21 21 14 21	Prechill 5 days plus KNO3 Light, KNO3 Prechill 5 days at 5C plus KNO3	28 6 2 1
<i>Papaver somniferum</i>	Opium Poppy	5319	.05/	BP	10, 15	6	12	KNO3	6.1
<i>Pappophorum vaginatum</i>	Whiplash Pappusgrass			P	20-30		7	Light, KNO3	12
<i>Packera aureus</i>	Golden Ragwort				20-30		30	Prechill 45 days	20a
<i>Parthenium argentatum</i>	Guayule		1356	2/20	BP FB P	20 20-30 20	7 10 14 10	Embryo excision	6 32 26

					20	10	15		63
<i>Parthenocissus tricuspidata</i>	Boston Ivy				BP	20	14	35	Prechill 2 months
<i>Passiflora caerulea</i>	Blue Crown Passionflower	133	22/		TB	20-30	7	30	Light
					TP	20-30	10	49	
					S	20-30	14	42	
					T	20-30	14	50	TZ
					TB	20-30	7	28	
						20-30	7	40	Light
					P	30	7	40	Light
					P	20-30	7	28	Hand seeds
<i>Pavonia lasiopetala</i>	Star of Bethlehem		10/100		FT	20-30	5	21	Light, prechill 14 days
<i>Pennisetum ciliare</i>	Buffelgrass				S	30	7	28	Light, prechill 7 days
<i>Pennisetum setaceum</i>	Fountaingrass				TP	20-30	7	21	Prechill
					BP	30-Oct	7		
					P	20-30	7	21	
					TP	30-Oct	5	15	Light, prechill 5-7 days at 10C
					TB	20-30	3	14	
					BP	20-30	3	10	
					P	20-30	14	21	Light
<i>Pennisetum villosum</i>	Feathertop				BP	30-Oct	7		
<i>Penstemon acuminatus</i>	Sharpleaf Penstemon	1169	2.1						Germ data not available at this time
<i>Penstemon deustus</i>	Scabland Penstemon	6977	0.36						Germ data not available at this time
<i>Penstemon procerus</i>	Little Flower Penstemon				P(a)	15			Light
					P(a)	20-30			
					P(a)	20			Dark
<i>Penstemon speciosus</i>	Royal Penstemon	911	2.75		P(a)	20-30			Dark, Prechill 2-4 weeks at 3C then 20C in dark
						20-30			Prechill 21-28 days
<i>Penstemon spectabilis</i>	Showy Penstemon	1343			TB	15	7	28	GA3
<i>Perilla frutescens</i>	Beefsteakplant				BP	20	7	21	
<i>Persea americana</i>	Avocado	3			S	25-30		33	Light 24 hours
<i>Petrophagia saxifraga</i>	Saxifrage Pink				TP	20-30	3	12	Light
<i>Phacelia cicutaria</i>	Caterpillar Phacelia	1472			TB	15	5	12	GA3, Deep dormancy cut through cotyledons, GA3, chill at 5C for 16 hours
<i>Phacelia distans</i>	Distant Phacelia	1232			TB	15	4	12	Light, GA3
<i>Phacelia hastata</i>	Silverleaf Phacelia				P(a)	15,20			Dark
<i>Phacelia heterophylla</i>	Varleaf Phacelia				P(a)	15,20			Dark
<i>Phacelia linearis</i>	Threadleaf Phacelia				P(a)	20-30			Dark
<i>Phacelia ramosissima</i>	Branching phacelia	1170			TB	15	4	12	Light, GA3
<i>Phacelia spp</i>	Phacelia				P(a)	20			Dark
<i>Pheidimus spurius</i>	Caucasian Stonecrop				P	15	7	14	Light
<i>Philodendron bipinnatifidum</i>	Philodendrum				TP	20-30	7	28	Light
<i>Philodendron hastatum</i>	Philodendrum				TP	20-30	7	35	Light
<i>Philodendron selloum</i>	Philodendrum	832	3/30		BP	20-30	7	28	
						20-30		35	
					TB	20-30	7	28	Light
					TB	20-30		20	
					TB	20-30	7	28	
					P	20-30	14	28	
<i>Phoenix canariensis</i>	Canary Island Date Palm				BP	20-30			
<i>Physalis subglabrata</i>	Chihuahuan Ground Cherry				P(a)	20-30			Dark
<i>Physalis virginiana</i>	Virginia Ground Cherry				BP	20-30		12	KNO3
<i>Physostegia virginiana</i>	Obedient Plant	397	6/60		BP	10-30,20-30	7	27	
						20-30		28	
					T	20-30	15	30	
					TP	10-30	14	42	Light
<i>Picris hieracioides</i>	Hawkweed Oxtongue				TP	20-20	4	21	Light, prechill 5-7 days at 10C
<i>Pliogobothrys fulvous</i>	Fulvous Popcorn Flower	1433			TB	15,20	7	21	Light, prechill with GA3 at 5C for 5 days
<i>Plantago erecta</i>	Dotseed Plantain	616			TB	20	5	10	Light, GA3, prechill at 5C for 5 days
<i>Plantago insularis</i>	Desert Indianwheat	566			TB	20	5	10	Light, GA3, 15C for fresh and dormant seed
<i>Plantago lanceolata</i>	Buckhorn Plantain				P(a)	20-30			Dark
<i>Plantago major</i>	Common Plantain				P(a)	20-30			Light, prechill 1 week at 3C.
<i>Plantago patagonica</i>	Woolly Plantain				P(a)	15			Light
					P(a)	20-30			Light
<i>Plantago spp</i>	Plantain		3/30		TB	20-30	4	28	Light
<i>Pterandra elegantissima</i>	False Aralia		6/		TB, BP	20-30	7	28	
					P	20-30	21	40	Light
					TB	20		21	Light
		320	8/		BP	20-30	7	40	
					TB	20-30	7	28	Light
						20-30	7	28	
<i>Pluchea odorata</i>	Sweetcent	36,695			TB	20-30	5	21	Prechill at 5C for fresh and dormant seed
<i>Poa arida</i>	Plains Bluegrass				P	20-30	7	28	Light
<i>Poa epila</i>	Skyline Bluegrass				P	20	7	28	Light
<i>Poa fendleriana</i>	Muttongrass				P	20-30	7	28	Light, KNO3, prechill 14 days
<i>Poa secunda</i>	Sandberg Bluegrass				P	20-30			Light, KNO3
	Big Bluegrass	1939			P	15-25	7	28	KNO3, prechill 7 days
	Alkali Bluegrass				P	20-30			Light, KNO3
	One-sided Bluegrass	2075			TCT	20-30	5	21	Prechill and GA# for fresh and dormant seed
<i>Polemonium caeruleum</i>	Jacob's-ladder	990	2.5/		TB	20-30	7	21	
					TB	20-30	5	21	Light
<i>Polygonatum biflorum</i>	Smooth Solomon Seal								4 months at 5C then 2 months at 25C
<i>Polygonum lapathifolium</i>	Curlytop Knotweed				TS	20-30	14	21	2C to 10-35C in water for 10 days
					P(a)	20-30			Prechill 2 weeks at 3C then 15-25C
<i>Polygonum pennsylvanicum</i>	Pennsylvania Smartweed				TS	30-Oct	24	28	2C -35C in water 21 days
<i>Polygonum persicaria</i>	Lady'sthumb				TS	20-30	17	21	2C -35C in water for 14 days
<i>Polygonum punctatum</i>	Dotted Smartweed	403			TB	20-30	5	21	Prechill 5C for fresh and dormant seed
<i>Portulaca oleracea</i>	Purslane				TS	20-30	5	10	Light
<i>Potentilla fruticosa</i>	High Mountain Cinquefoil				P(a)	15			Dark, prechill 4 weeks at 3C then 20C or 20-30C dark
<i>Potentilla glandulosa</i>	Sticky Cinquefoil	3163	1/		P(a)	25	14	14	Prechill 1-3 weeks at 3C then 20-20C with light or 15C with light
<i>Potentilla nepalensis</i>	Nepal Cinquefoil				TP	20-30	7	21	Light
<i>Potentilla recta</i>	Sulphur Cinquefoil					15-25		21	Light
<i>Potentilla rivalis</i>	Brook Cinquefoil				P(a)	15			Dark, prechill 3 weeks at 3C then 20-30C and light
<i>Prunella vulgaris</i>	Selfheal				P(a)	20-30			Dark
<i>Pseudofumaria lutea</i>	Rock Fumewort				TP	20-30	7	28	Light
<i>Pseudognaphalium californicum</i>	Ladies Tobacco	60,221			TB	15-25	5	21	Prechill (5C) for fresh and dormant seed
<i>Pseudognaphalium canescens</i>	Wright's Cudweed	33,495			TB	15-25	5	21	Light, prechill at 5C for 5 days for fresh and dormant seed
<i>Psidium guajava</i>	Guava	89	28/		TP	25-30	14	14	Light 24 hours
<i>Psilocarpus eliator</i>	Woolly Heads				P(a)	20-30			
<i>Psophocarpus tetragonolobus</i>	Winged Bean				TP	25	4	10	Acid treat with H2SO4 for 5 minutes, water rinse for 5 minutes
<i>Puccinellia lemmoni</i>	Lemmon Alkaligrass		1/10		P(a)	15-25	10	28	Light, KNO3, prechill 4 days at 5C
<i>Puccinellia nuttalliana</i>	Nuttall Alkaligrass				P	20	7	15	
<i>Punica granatum</i>	Pomegranate				BP	20-30	7	42	Soak seed 2 days
<i>Purshia glandulosa</i>	Deer Bitterbush	90	25/			5, 15	7	14	Prechill 14 days at 3-5C
					TB	10-30		35	Light
<i>Purshia stansburiana</i>	Stansbury Cliffrose	141	18/						
		140			TB	30-Oct		28	Prechill 1 month at 3-5C, then 10-30C for 10 days
		175	10/			0-30		90	
						10-25,10-30	7	17	Prechill 30 days at 3-5C, may soak in water 48 hours, then 30 minute soak in water
<i>Ranunculus californicus</i>	California Buttercup	503			TB	15	5	21	Prechill (5C) for fresh and dormant seed
<i>Raphanus raphanistrum</i>	Wild Radish				TB	20-30		14	KNO3
<i>Ratibida pinnata</i>	Pinnate Coneflower	1128	2/			15-25,25	7	14	
		1125	2/20		TB	15-25	7	14	
		1125	2/20		TB	20-30	7	14	
						20-30	7	14	Light
<i>Rhamnus crocea</i>	Buckthorn Redberry	113			TB	15	7	35	GA3 recommended for fresh or dormant seed
<i>Rhus integrifolia</i>	Lemonade Sumac	8			T	20	7	21	Prechill
<i>Rhus ovata</i>	Sugar Sumac	28			T	20	7	21	Prechill

<i>Rhus trilobata</i>	Skunkbush Sumac	50	50/	TB	20-30	7	21	90 minutes in H2SO4 and 30 days prechill at 3-5C.	68
<i>Rosa californica</i>	California Wild Rose	22 units		T	20	5	21	1.5 hours acid treatment, 1 month prechill at 3-5C.	17a
<i>Rose spp</i>	Wild Rose			TB	20	7	21	Prechill (5C) for fresh and dormant seed	26
<i>Roystonea regia</i>	Royal Palm	0.8		S	25-30		37	Light or TZ	14,16
<i>Rumex crispus</i>	Curly Dock			B	15-30	4	10	Light 24 hours	64
<i>Rumex maritimus</i>	Golden Dock			P(a)	20-30				3
<i>Rumex obtusifolius</i>	Bitterdock			P(a)	15				7
<i>Ruta graveolens</i>	Rue	554	6/5/	TP	10-30	7	28	Light, Prechill	1
				TP, BP	20-30,20	7	14	Prechill	2
				TB	10-30,20	7		Light	6
<i>Sairocarpus multiflorum</i>	Sticky Snapdragon	5650		TB	20-30	5	12	Prechill 5C and GA3 for fresh and dormant seed.	26
<i>Salicornia depressa</i>	Virginia Glasswort	7014		TB	20-30	5,7	21	Light and prechill	26
<i>Salsola kal</i>	Russian Thistle	798	3/3/30	P(a)	20-30	3	21	TZ	68
				P(a)	20-30			Light	5
				P(a)	20-30			Light	7
<i>Salvia aethiops</i>	Mediterranean Sage			P(a)	20			Dark	7
				P(a)	20-30			Dark	7
<i>Salvia apiana</i>	White Sage	570	4.5/45	TB	15-30	7	21	Hard Seeds, GA3, Prechill at 5C	72
<i>Salvia azurea var grandiflora</i>	Pitcher Sage		5/50	TB	20-30	3	21	Light	5
		269	10/100	B	20-30	7	14	KNO3, prechill new seed 7-14 days	16
		269	10/100	B	2030	7	14		6
				B	15-25	7	14		6
<i>Salvia columbariae</i>	Chia	945	3/	B	20,20-30	7	14		6
<i>Salvia eremostachya</i>	Rose Sage			P(a)	15-25	7	28	KNO3,	21
<i>Salvia leucophylla</i>	San Luis Purple Sage	1036		TB	15-25	5,7	21	Light, GA3 at 15C for fresh and dormant seed	26
<i>Salvia mellifera</i>	Black Sage	1299		TB	15-25	7	21	Light, GA3 at 15C for 21 days	26
<i>Salvia patens</i>	Sage	51	50/500	TB	15-25	7	21	Light, might need to start at cooler temp. or extend test for 8 days	72
<i>Salvia sclarea</i>	Europe Sage	227	11/100	TB	20-30	5	21		72
<i>Salvia viridis</i>	Annual Clary Sage	523	5/50	TB	20-30	7	14		72
<i>Sanguinaria canadensis</i>	Bloodroot	112	22/					3 months at 5C, then 6 months at 20C, then 3 months at 5C	6, 22
<i>Sanguisorba annua</i>	Prairie Burnet			P(a)	15			Light	7
				P(a)	20-30			Light	
				P(a)	20			Dark	
<i>Sanguisorba officinalis</i>	Great Burnet	153	16/	P(a)	20-30			Light	6,7
<i>Santolina chamaecyparissus</i>	Lavender Cotton			PP	20	50	15	Light	14
<i>Saponaria hispanica</i>	Cow Soapwort	185	14/140	TB	15	6	16		72
<i>Saponaria officinalis</i>	Bouncing Bet	569	5/	B	20-30	7	21	Prechill 30 days	68
		566	5/50	B	20-30	7	21	KNO3, Prechill plus KNO3 1 week	9
		566	5/50	B	15-25	7	21	Light, prechill 30 days at 5C	6
				B	20-30	7	21	Light, prechill 30 days at 5C	6
				TB	15, 10	7	28	Prechill	2
				P(a)	20-30	21			7
<i>Satureja montana</i>	Winter Savory	2083	1/10	TB	20	5	21	Test with GA3	72
<i>Scabiosa stellata</i>	Starflower/Pincushions			B	15		18		6
				TB	20-30		26		18
				TB	15		18	Light	14
<i>Schefflera actinophylla</i>	Octopus Tree	167	15/	TP	20-30	7	28	Light	1
				B	20-30	7	28	Light	6
					20-30		35		18
				P	20	7	28	Light	14
				P	20		28		28
				TB	20,20-30		28		15
				P	20-30	14	28		26
<i>Schefflera arboricola</i>	Dwarf Umbellatree	362	13/130	TP	20-30	7	35	Light	1
				TB	20-30	7	28	Light	6
<i>Schismus arabicus</i>	Arabian Schismus			P	20-30	7	?	Light	14
<i>Schizachyrium littoralis</i>	Shore Little Bluestem			P	20-30	7	28	Light, KNO3, prechill 14 days	60
<i>Schizopetalus walkeri</i>	Japanese Lantern			TP	20-30	4	12	Light	1
<i>Scleranthus annuus</i>	German Knotgrass			P(a)	20-30			Dark	7
<i>Scrophularia lanceolata</i>	Lanceleaf Figwort			P(a)	20-30			Light, prechill 3 weeks at 3C	7
<i>Scutellaria baicalensis</i>	Biakal Skullcap	556	5/50	TB	15-25	7	21	Prechill at 5C for 7 days	72
<i>Scutellaria laterifolia</i>	Skullcap	2540	1/10	TB	20-30	7	21	Test with GA3	72
<i>Senecio cineraria</i>	Dusty Miller			TB	20-30	7	14	Light	20a
<i>Senecio jacobaea</i>	Stinking Willie			P(a)	15			Light	7
<i>Senna covesii</i>	Cove's Cassia	216		T	20	7	28	Dormant, cut through cotyledons, GA3, chill at 5C for 16 hours	26
<i>Sericarpus rigidus</i>	Columbian Whitetop Aster			TB	15-25	7	14	Scarify or prechill for 8 weeks at 4C.	70
<i>Setaria leucophila</i>	Streambed Bristlegrass		5/50	P,B,K	20-30	7	28	Light, KNO3,	21
<i>Setaria macrostachya</i>	Large-spike Bristlegrass		5/50	TB	15-30	7	21	KNO3 TZ dormant seed, ergot	16
				T	20-30		28	Light, KNO3	5
				P,B,K	20-30		21	Light, KNO3	32
				P	Oct-35	7	28	Light, KNO3	29
<i>Shepherdia argentea</i>	Silver Buffaloberry			TB	20-30		21	Light, 20-30 minute acid treatment	17a
<i>Shepherdia canadensis</i>	Russet Buffaloberry	108	25/	TB	20-30	7	28	Light, prechill 60 days at 5C, or soak in H2SO4 15-30 minutes	68
				TB	20-30		21	Light, 20-30 minute acid treatment	17a
<i>Shorea acuminata</i>	Red Lanan	5	490/	S,PB	25-30		15	Light 24 hours	64
<i>Shorea leprosula</i>	Meranti			S,PB	25-30		14	Light 24 hours	64
<i>Sibbaldiopsis tridentata</i>	Shrubby Fivefingers			TB			40	Light, prechill 1 month at 3 - 5C	17
<i>Silene antirrhina</i>	Sleepy Catchfly			B	15-25		21	Light	20a
<i>Silene coeli-rosa</i>	Rose-of-Heaven			TP	20-30	7	14	Light, prechill 5-7 days at 10C	6
<i>Silene conoidea</i>	Weed Catchfly			P(a)	20			Dark	7
				P(a)	20-30			Light	
<i>Silene cserei</i>	Balkan Catchfly			P(a)	15			Light	7
				P(a)	20			Dark	
				P(a)	20-30				
<i>Silene dioica</i>	Red Campion			TB	20-30	4	14	Light, prechill 5-7 days at 10C	1
<i>Silene laciniata</i>	Cardinal Catchfly	1311		TB	20-30	5	14	GA3, prechill at 5C for 5 days	26
<i>Silene latifolia</i>	White Campion			P(a)	20-30				9
<i>Silene latifolia ssp. Alba</i>	Bladder Campion			B	20-30		7	KNO3	9
<i>Silene noctiflora</i>	Night-flowering Catchfly			B	20-30	7	7		9
				B	20-30	2	7	Light	3
<i>Silene orientalis</i>	Moss Campion	10965	0,23/2,3	TB	20-30	7	14		72
<i>Silybum marianum</i>	Milkthistle		100/500	BP	20-30	5	15		21,1
<i>Simmondsia chinensis</i>	Jojoba	2		T	20	7	21		26
<i>Simsia calva</i>	Awnless Bush Sunflower		5/50	T	20-30	3	7	Prechill 7 days	21
<i>Sinapis arvensis ssp srvensis</i>	Charlock, Wild Mustard			B	15-30	3	10	Light, prechill 5 days at 2-10C	3
				B	20-30		10		9
<i>Sisymbrium altissimum</i>	Tall Tumbling Mustard			P(a)	20			Dark	7
				P(a)	20-30				
				B	20-30	2	7	Light	3
				B	20-30		8	KNO3, prechill 1 or 2 weeks	9
<i>Sisymbrium officinale</i>	Hedge Mustard			P(a)	20-30				
				B	15-30	4	10	Light	3
				B	20-30		10	KNO3	9
<i>Sisyrinchium bellum</i>	Western Blue-eyed Grass	804		TB	15	5	21	Prechill not recommended. Extend test for up to 3 months or use TZ	26
					15-25		28		16
					15		28	GA3,	16
<i>Solanum carolinense</i>	Horsenettle			B	20-30		14	KNO3	9
				S	15-30	10	21		3
<i>Solanum dulcamara</i>	Climbing Nightshade			B	15-25		24		20a
				B	20-30		12		9
<i>Solanum giganteum</i>	African Holly			TP	20-30	7	35	Light, KNO3	1
<i>Solanum marginatum</i>	Purple African Nightshade			TP	20-30	7	35	Light, KNO3	1

<i>Solanum nigrum</i>	Black Nightshade				B	20-30	7	14		6
					B	20-30		12		9
<i>Solanum pseudocapsicum</i>	Jerusalem Cherry				TP	20-30	7	35	Light, KNO3	1
<i>Solanum rostratum</i>	Buffalo Bur				B	20-30		14		9
<i>Solidago canadensis</i>	Canada Goldenrod	11965	0.25/		TP	20-30	7	28	Light, prechill 5-7 days at 10C	1
					B	15-25	7	28		6
<i>Sonchus oleraceus</i>	Common Sowthistle				P(a)	20-30				7
<i>Sparrmannia africana</i>	African Hemp				TP	20-30	14	35	Light	1
<i>Spartina spp</i>	Cordgrass		3/30		TB	20-30	5	21	Light, KNO3	21
<i>Spergularia arvensis</i>	Corn Spurry				P(a)	20-30				7
<i>Spergularia rubra</i>	Red Sandspurry				P(a)	20-30			Light	7
<i>Sphaeralcea coccinea</i>	Scarlet Globemallow	1495	2/							68
					B	15-30, 15-20	5	28	TZ or scarify seed or count hard seed at end of germination test	12
					B	15-30, 15-20	5	28	Scarify seed before planting	12
<i>Spilanthes oleracea</i>	Spilanthes	12428	0.2/2		TB	20-30	4	7		72
<i>Sporobolus airoides</i>	Alkali Sacaton		1/10		P,B,K	20-30	7	28	Light, KNO3	21
					P	20-35	7	28	Light, KNO3, prechill 14 days	12, 43
<i>Sporobolus compositus var compositus</i>	Composite Dropseed	1105								67
			1/10		P	15-35	7	28	KNO3, prechill 28 days	21
			0.5/5		P(a)	20-30, 35	3	14	Light, KNO3, prechill 14 days at 5C.	5
					P	20-35	7	28	Light, KNO3, prechill 2 weeks	52
<i>Sporobolus contractus</i>	Spike Dropseed				P	20-35	7	28	Light, KNO3, Prechill 4 weeks	52
<i>Sporobolus flexuosus</i>	Mesa Dropseed		1/10		P	20-35	7	28	Light, prechill 4 weeks	52
					P	15-35	7	28	KNO3, Prechill 14 days	21
<i>Sporobolus giganteus</i>	Giant Dropseed	3787			P	20-35	7	21	Prechill 6 weeks	67, 52
<i>Sporobolus heterolepis</i>	Prairie Dropseed		1/10		P	20-30	7	28	KNO3, prechill 14 days	21
<i>Sporobolus pulchellus</i>	Rats Tail Grass				TP	30-Oct	5	15		1
<i>Sporobolus usitatus</i>	Creeping Dropseed				P	20-35	7	28	Light, KNO3, Prechill 4 weeks	12
<i>Sporobolus wrigthii</i>	Sacaton	4319			P	20-35	7	28	Light, KNO3, prechill 3 weeks	67, 52
<i>Stellaria graminea</i>	Grass-like Starwort					15-25		21	Light	20e
<i>Stellaria media</i>	Common Chickweed				B	20-30		7	KNO3	9
<i>Stenocereus thunberi</i>	Organ-pipe Cactus				PP	20-30	6	18	Light	14
<i>Stenotaphrum secundatum</i>	St. Augustine Grass		2/20		P,B,K	20-30	7	28	KNO3, Prechill 7 days at 10C.	21
<i>Stevia rebaudiana</i>	Stevia	3106	0.8/8		TB	20-30, 20	5	14	Prechill at 5C for 7 days	72
<i>Stokesia laevis</i>	Stokes' Aster				T	20	14	28		26
					B	20	7	28		6
					P	20		21		28
<i>Streptocarpus hybridus</i>	Cape Primrose	83155 26373 26373	0.25/							6
					TP	20-25	14	21	Light	8
						20	7	15	Light	1
						20				66
<i>Strophostyles helvola</i>	Amberique-bean		100/500		T	20-30	7	14		21
<i>Suaeda californica</i>	California Sea-bite	1097			TB	20	5	21	Prechill (5C) for fresh and dormant seed	26
<i>Suaeda moquinii</i>	Mojave Sea-bite	2173			TB	20	7	21	Light	26
<i>Suaeda taxifolia</i>	Woolly Sea-bite	1476			TB	20	5	21	Prechill (5C) for fresh and dormant seed	26
<i>Syzygium jambos</i>	Malabar Palm		0.3		S	25-30		22	Light 24 hours	64
<i>Talinum paniculatum</i>	Jewel of Opar	3203	0.78/7.8		TB	20	7	14	Prechill at 5C for 14 - 21 Days (fresh crop)	72
<i>Tanacetum nivium</i>	Silver Tansy	10,000	0.25/2.5		TB	15	10	30	GA3, Prechill at 5C.	72
<i>Tanacetum parthenium</i>	Feverfew	6512	0.4/4		TB	15	5	21	KNO3	72
<i>Tanacetum plamiciflorum</i>	Silverface Bush				P	15	6	12	Light	14
<i>Taraxacum laevigatum</i>	Rock Dandelion				P(a)	15			Light	7
					P(a)	20				7
					P(a)	20-30				7
<i>Tetrachne dregii</i>	Robies Cocksfoot				P	20-35	7	28	Light, KNO3	12
<i>Thalictrum delavayi</i>	Chinese Meadow Rue				TP	20-30	7	35		1
<i>Thalictrum dioicum</i>	Early Meadow Rue					15-25		25	Prechill 60 days	20a
<i>Thalictrum minus</i>	Lesser Meadow Rue				TP	20-30	7	35		1
<i>Thalictrum simplex</i>	Small Meadow Rue				TP	20-30	7	28	Light	1
<i>Theobroma cacao</i>	Cacao	0.5			S	25-30	14	21	Light 24 hours	64
<i>Thinopyrum pycnanthum</i>	Tick Quackgrass				P	20-30	4	10	Light	12
<i>Thlaspi arvense</i>	Pennycress				S	15-30	4	10	Light	3
					B	20-30		10	KNO3	9
					P(a)	20-30			Light	7
<i>Thymophylla tenuiloba</i>	Bristleleaf Pricklyleaf				TB	20,20-30	7	21	Light	6
					P	20	7	21	Light	14
<i>Thymus praecox subsp. Articus</i>	Creeping Thyme					15	7	21	TZ	21
<i>Tithonia rotundifolia</i>	Clavel de Muerto	155	16/160		TB	20-30	4	8	Count seedlings every few days, tend to decay	72
<i>Tradescantia spathacea</i>	Boatilly	194	13/		TB	7		28		6
<i>Tradescantia virginiana</i>	VA Spiderwort	242	10/		P	20-30	10	35		26
					B	20-30	7	28	Light	6
						20-30		21		18
<i>Tragapogon spp.</i>	Goatsbeard				B	15	5	10		3
<i>Tragopogon porrifolius</i>	Salsify				P(a)	20-30			Light	7
<i>Trifolium ciliclatum</i>	Foothill Clover	457			T	15	7	14	Hard seed. Prechill at 5C for 5 days	26
<i>Trifolium procumbens</i>	Irish Shamrock	2085	1/		B	15	7	14	Hard seed.	6
					T	20	7	21	Hard Seed	14
					BP,TP	20	4	14	Hard Seed	2
<i>Trifolium rubens</i>	Red Feather	397	6.3/63		T	20	4	7a	Hard Seed	72
<i>Trigonella caerulea</i>	Blue Fenugreek				TP	15	4	14	Light	1
<i>Trigonella foenum-graecum</i>	Fenugreek	51 55	45/450		TB	15, 20		7		67
<i>Trillium erectum</i>	Red Trillium								9 mos. At 5C, then 2 mos. At 20C, then 3 mos. At 5C.	22
<i>Trillium grandiflorum</i>	White Trillium	184	13/						3 mos. At 5C then 3 mos. At 20C, then 3 mos. At 5C	22, 6
<i>Trollius europaeus</i>	European Globeflower	1331	2/		TP	30-Oct	7	28	Light, prechill 5-7 days at 10C	6
<i>Tsuga heterophylla</i>	Western Hemlock				TCT	20-35	5-7	35	Light, prechill 5C for 5 days for fresh and dormant seed	26
<i>Typha latifolia</i>	Broadleaf Cattail	17,747								1
<i>Ursinia anthemoides</i>					BP	20	50	20		1
<i>Urtica dioica</i>	Stinging Nettle				BP	15-25	10	14	Light	20e
<i>Valeriana officinalis</i>	Garden Valerian	1386	2/20		TB	20	7	21	KNO3, prechill 5C for 7 days	72
<i>Veitchia merrillii</i>	Christmas Palm	0.3			S	25-30		57	Light 24 hours	64
<i>Verbascum blattaria</i>	Moth mullein				P(a)	20-30				7
<i>Verbascum bombyciferum</i>	Artic Summer	7013	0.36/3.6		TB	20-30	7	21	KNO3, prechill at 5C for 7 Days	72
<i>Verbascum nigrum</i>	Black Mullein				TP	20-30	7	21	Light	1
<i>Verbascum olympicum</i>	Olympic Mullein				TP	20-30	7	21	Light	1
<i>Verbascum thapsus</i>	Common Mullein		0.5/		TP	20-30	4	21	Prechill	2
					P(a)	20-30	4	21	Dark	7
<i>Verbena bonariensis</i>	Purpletop Vervain	4310	0.58/5.8		TB	15-30	7	28	KNO3,	72
<i>Verbena hastata</i>	Swamp Vervain					15-25		28	Light, prechill 30 days	20a
<i>Verbena lasiostachys</i>	Western Vervain	3081			TB	15-25	7	18	Light, GA3 at 15C for 21 days	26
<i>Verbena officinalis</i>	Herb of the Cross	4100	0.61/6		TB	20-30	7	21	KNO3	72
<i>Verbesina dissita</i>	Bigleaf Crownbeard	317			TB	20	7	21	Light	26
<i>Veronica austriaca</i>	Broadleaf Speedwell				TP	20-30	7	21	Light	1
<i>Veronica repens</i>	Creeping Speedwell				TP	30-Oct	7	28	Light	1
<i>Viguiera stenoloba</i>	Resinbush		2/20		PT	20-30	5	10	Prechill 10 days, or 5 days and test at 20C with KNO3	21
<i>Vitex agnus-castus</i>	Chaste Tree	92	27/270		TB	20-30	7	28, 35	GA3, Prechill at 5C for 7 days. Check frequently, has multiple embryos	72
<i>Vulpia microstachys</i>	Small Fescue	874			TCT	15-25	7	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3 chill at 5C for 16	26
<i>Vulpia myuros</i>	Annual Fescue	1720			TB	15-25	5	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3 chill at 5C for 16	26
<i>Vulpia octiflora</i>	Sixweeks Fescue	4464			TCT	15-25	7	14	GA3, Prechill at 5C for 5 days. Deep dormancy cut through endosperm, GA3 chill at 5C for 16	26
<i>Wahlenbergia grandifolia</i>	Ivy-leaved Bellflower				BP	20-30	7	21	Prechill 5-7 days at 10C	1
<i>Xeranthemum annuum</i>	Immortelle				TB	20	3	14		1
					TB	20, 20-30	7	14		26

				3/	TP,TB	20-30,20	4	14		2
					P	20	5	16		14
					P	20		16		28
					FB	20		42	Days	32
					P	20	7	14		4
					P,TB	20	7	14	Dormant seed in fresh lots	16
						20	10	15		63
<i>Xylorhiza tortifolia</i>	Mojave-aster		765		TB	20	7	21	Light	28
<i>Zantedeschia aethiopica</i>	Calla Lily				BP	20	7	35		1

The methods listed are NOT official AOSA Rules methods.

KEY FOR SUBSTRATA ABBREVIATIONS

- | | | |
|-------------------------------------|-------|-----------------|
| T= Towel | FB = | Folded Blotters |
| TB = Top of Blotters | BT = | |
| TP = | RT = | Rolled Towels |
| P = Petri Dish | PB = | |
| BP = | HLH = | |
| TCT = Top of Cellulose Crepe Towels | RE = | |
| S = Sand | | |