

**INDEX to Norman Deno's Germination Research: "B" is original 2nd Edition; "1" is First Supplement; "2" is Second (and last) Supp.**

(Original from Website of Tom Clothier.

Added GA-3 details by RPS January 2021.)

Species	Documents	Recommended	Doc B GA-3 comments	GA-3 effects		
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NOTE:  
 Subscripts indicate particular Family or type chapters: (c)actus, (o)rchid, (g)rasses.  
 Typically 3 month temperature cycling between 40 and 70F  
 DS = dry stored indicated time  
 d/m/y = day/month/yr  
 D70 = dry stored seed germinate at 70F  
 L/D = Light/Dark  
 OT = outside treatment  
 OS = oscillating temperature generally 40/70  
 WC = Washing and cleaning for #days

GA-3 comments:

- blank or "nt:" = not tested
- % = increased % germination
- bypass = remove requirement for:
  - L (light); cold; (warm/cold) cycling
- ESSENTIAL "almost" = some other methods work to some degree.
- : = vgood results with recc method  
 (not completed for all)

For Cactus details see B, 1c, 2c sections in documents

("text") indicates minor RPS edits to original Index.

Abeliophyllum distichum	B		strip, 70			
Abies alba		2	70D	GA-3 little or no Effect		
Abies amabilis	B		40-70			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Abies boris-regis			2 70D	GA-3 little or no Effect			
Abies cephalonica			2 70D	GA-3 little or no Effect			
Abies cilicica			2 70D	GA-3 little or no Effect			
Abies equi-trojani			2 70L (6w)- 70D	GA-3 little or no Effect			
Abies fabri			2 70L	GA-3 little or no Effect			
Abies firma			2 70D	GA-3 little or no Effect			
Abies holophylla			2 70D	GA-3 little or no Effect			
Abies koreana	B		40-70D				
Abies nephrolepsis			2 70D	GA-3 little or no Effect			
Abies nordmanniana			2 70D	GA-3 little or no Effect			
Abies nordmanniana	B		70D				
Abies pindrow			2 70D	GA-3 little or no Effect			
Abies recurvata			2 70D	GA-3 little or no Effect			
Abies religiosa			2 70D	GA-3 little or no Effect			
Abies veitchii			2 70D	GA-3 little or no Effect			
Abies veitchii		1	70D				
Abies veitchii	B		70D	GA-3 FATAL			
Abronia fragrans	B			70			
Abronia villosa	B			70			
Abutilon (hybrids)		1		70			
Abutilon theophrasti	B			puncture, 70			
Abutilon vitifolium			2	70D			
Abutilon vitifolium		1		70			
Acacia cyanophylla			2	puncture, 70D			
Acacia cyanophylla		1		puncture, 70			
Acacia dealbata			2	puncture, 70D			
Acacia dealbata		1		puncture, 70			
Acacia iteophylla			2	puncture, 70D			
Acacia iteophylla		1		puncture, 70			
Acacia iteophylla	B			puncture, 70			
Acaena anserinifolia	B			70			
Acaena caesiiglauca			2	DS 3 y = dead			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Acaena inermis	B			70D-40-70D	GA-3 No Effect			
Acaena microphylla			2	DS 3 y = dead				
Acaena nova-zelandiae			2	DS 3 y = dead				
Acaena saccaticupula			2	70D				
Acaena splendens	B			70				
Acanthocalycium peitscherianum		1c		70 GA-3				
Acanthocalycium spiniflorum		1c		70 GA-3				
Acanthocalycium violaceum		1c		70				
Acantholimon araxanum	B			D-70				
Acantholimon armenum	B			D-70				
Acantholimon bracteatum	B			D-70				
Acantholimon caryophyllaceum	B			D-70				
Acantholimon diapensoides	B			D-70				
Acantholimon glumaceum	B			D-70				
Acantholimon hedinum	B			D-70				
Acantholimon hilariae	B			D-70				
Acantholimon litvinovii	B			D-70				
Acantholimon pamiricum	B			D-70				
Acantholimon parviflorum	B			D-70				
Acantholimon pterostegium	B			D-70				
Acantholimon puberulum	B			no germ				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Acantholimon pulchellum	B			no germ				
Acantholimon raddeanum	B			no germ				
Acantholimon reflexifolium	B			D-70				
Acantholimon spirizianum	B			D-70				
Acantholimon ulcinum	B			no germ				
Acantholimon vedicum	B			D-70				
Acantholimon velutinum	B			no germ				
Acantholimon venustum	B			D-70				
Acanthophyllum glandulosum	B			no germ				
Acanthophyllum gypsophiloides	B			40-70				
Acanthophyllum macrocephalum	B			no germ				
Acanthophyllum pungens	B			40-70				
Acanthophyllum shugnanicum	B			OT				
Acanthophyllum sordidum	B			no germ				
Acanthus balcanicus		1		70D				
Acanthus mollis		1		70D				
Acer buergerianum	B			40				
Acer crataegifolium	B			extract, 40-70				
Acer ginnala			2	40-70	GA-3 effect	shorten 40		
Acer ginnala v. aidzvensis	B			40				
Acer griseum		1		comment				
Acer griseum	B			extract, 40-70				
Acer heldreichii	B			rotted				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Acer japonicum	B			40-crack-70				
Acer negundo	B			puncture, 70				
Acer nikoense		1		nick				
Acer nikoense	B			soak, extract, 70				
Acer pennsylvanicum	B			extract, 40				
Acer platanoides	B			40-70				
Acer pseudoplatanus		1		extract, nick				
Acer pseudoplatanus	B			soak, extract, 70				
Acer pseudosieboldiana		1		extract, nick				
Acer pseudosieboldiana	B			soak, extract, 70				
Acer rubrum		1		comment				
Acer rubrum	B			70				
Acer saccharinum		1		40, 70				
Acer saccharum	B			70				
Acer semenovii	B			40				
Acer spicatum	B			extract, 70D-40-70D				
Acer tataricum	B			40-extract-70				
Acer truncatum		1		extract, peel				
Achillea millefolium	B			D-70				
Achlys triphylla			2	40-70	GA-3 FATAL			
Acidanthera bicolor	B			70	GA-3 No Effect			
Acinos alpinus		1		70L	GA-3 little Effect	bypass: L		
Aciphylla aurea		1		70D-40-70	GA-3 No Effect ?			
Aciphylla aurea	B			70 GA-3	GA-3 ESSENTIAL			
Aciphylla dobsonii	B			70 GA-3	GA-3 ESSENTIAL			
Aciphylla hectori	B			70 GA-3	GA-3 ESSENTIAL			
Aciphylla monroi		1		70-40-70-40-70	GA-3 No Effect ?			
Ackama roseifolia			2	70L	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Acnistus australis			2 70L	:			
Aconitum ajanense	B		rotted				
Aconitum apetalum	B		rotted				
Aconitum ferox	B		40 4 w, 55 3 m				
Aconitum firmum	B		rotted				
Aconitum heterophyllum	B		70L				
Aconitum lycoctorum	B		40 4 w, 55 3 m				
Aconitum macrostynchium	B		rotted				
Aconitum napellus		1	rotted				
Aconitum napellus	B		rotted				
Aconitum nasutum	B		rotted				
Aconitum orientale	B		rotted				
Aconitum pubiceps	B		rotted				
Aconitum raddeanum	B		rotted				
Aconitum variagatum	B		rotted				
Aconitum volubile	B		rotted				
Aconitum vulparia		1	comment				
Aconitum vulparia	B		rotted				
Aconitum wilsoni	B		40				
Actaea erythrocarpa	B		WC 7 d, OT-70				
Actaea pachypoda	B		WC 7 d, 40-70-40-40~70	GA-3 No Effect			
Actaea rubra	B		WC 7 d, 40-70-40-40~70				
Actaea spicata	B		WC 7 d, DS 6 m, 70-40-OT				
Actinidia chinensis	B		WC 7 d, 70L	GA-3 USEFUL			
Actinomeris alternifolia			2 chaff				
Actinotus helianthii			2 empty				
Adenium obesum	B		70	GA-3 FATAL			
Adenophora farreri	B		70D				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Adenophora koreana	B		70L	GA-3 USEFUL			
Adenophora kurilensis	B		70D GA-3				
Adenophora lilifolia	B		70D				
Adenophora potanini	B		70D				
Adenophora tashiroi	B		70D				
Adenostoma fasciculatum		1	70 GA-3	GA-3 USEFUL	%; and bypass L		
Adlumia fungosa	B		70				
Adonis aestivalis	B		D-70				
Adonis amurensis	B		no germ				
Adonis brevistylis	B		no germ				
Adonis chrysocyathus	B		OT				
Adonis pyrenaica	B		no germ				
Adonis turkestanica	B		empty				
Adonis vernalis		2	empty				
Adonis vernalis		1	empty				
Adonis vernalis	B		40				
Aeniopsis cabolica		1	70D				
Aeonium simsii		1	70L				
Aeonium tabuliforme		1	70L				
Aesculus discolor		1	70				
Aesculus glabra		1	40-70				
Aesculus hippocastanum		1	40-70				
Aesculus hippocastanum	B		40-70				
Aesculus octandra		1	40-70				
Aesculus parviflora		1	70				
Aesculus parviflora serotina		1	70				
Aesculus pavia		1	40-70				
Aesculus pavia	B		40-70				
Aesculus sylvatica		1	70				
Aesculus turbinata		1	40-70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Aesculus turbinata tomentosa (A. chinensis)		1		40-70				
Aesculus x carnea		1		70				
Aethephyllum pinnatifidum			2	70D or L	:			
Aethephyllum pinnatifidum		1		70D	:			
Aethionema grandiflorum	B			D-40				
Aethiopsis cabolica			2	70D	:			
Agalinis setacea	B			OT				
Agapanthus africanus	B			70				
Agastache anisata	B			70				
Agastache foeniculum			2	OK after DS 6 m				
Agastache foeniculum	B			40-70L	GA-3 USEFUL	bypass: cold; L		
Agastache fragrans	B			70				
Agastache nepetoides		1		70L				
Agastache nepetoides	B			40-70L				
Agastache occidentalis			2	70L	:			
Agastache occidentalis		1		70L	GA-3 effect	bypass: L		
Agastache scrophulariaefolia		1		70L	GA-3 effect	bypass: L		
Agastache scrophulariaefolia	B			40-70L	GA-3 USEFUL	bypass: cold; L		
Agastache urticifolium	B			70				
Agathosma ovata			2	rotted				
Agave (Manfreda) virginica	B			40-70D	GA-3 germ but damaging			
Ageratina occidentale			2	70D	:			
Ageratina occidentale		1		70D				
Ageratum sp.			2	50-85DorL	:			



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Agrimonia eupatoria		1	40	GA-3 no effect			
Agrophyron pubiflorum			2 70D or L	:			
Agrophyron scabrum			2 70D or L	:			
Agrostemma githago			2 70D	:			
Agrostemma tinicola			2 70D	:			
Agrostemma tinicola		1	70D				
Agrostocrinum scabrum		1	empty				
Aichryson divaricatum	B		70D GA-3	GA-3 USEFUL			
Ailanthus altissima	B		70L				
Ajania tibetica	B		70				
Ajuga chamaepitys	B		70 GA-3	GA-3 USEFUL	bypass: cycling		
Akebia quinata		1	40-70				
Alangium platanifolium		1	70 GA-3	GA-3 ESSENTIAL			
Albizzia julibrissin			2 puncture, 70D	:			
Albizzia julibrissin	B		comment				
Albuca aurea			2 70D or L	:			
Albuca aurea		1	70	:			
Albuca canadensis			2 70D	:			
Albuca canadensis		1	70D				
Albuca humilis			2 70D	:			
Albuca humilis		1	70				
Albuca longifolia			2 rotted				
Albuca shawii			2 70D	:			
Albuca sp.		1	70 (sl faster 70D than L)	:			
Alcea ficifolia			2 70D	:			
Alcea ficifolia		1	70D	:			
Alcea rosea		1	D-70	:			
Alchemilla alpina		1	70D-40-OS				
Alchemilla faeronensis		1	OT	GA-3 no effect			
Alchemilla mollis		1	OT				
Alchemilla mollis	B		70L				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Alchemilla saxatilis		1	OT				
Alchemilla saxatilis	B		40-70L				
Alchemilla vulgaris		1	OT				
Aletes humilis			2 40-70D	GA-3 no effect			
Aletris farinosa	B		70L				
Alisma plantago-aquatica			2 70L-40-70D Note need for 70L at start				
Alisma plantago-aquatica	B		70L				
Allardia tridactylites			2 chaff				
Allium aff. farreri		1		40			
Allium alba		1	70D	GA-3 very minor effect	% germ		
Allium alba			2 DS 2 y = dead				
Allium albopilosum		1		40			
Allium albopilosum	B			40 GA-3 FATAL			
Allium azureum	B			70			
Allium cernuum	B			70			
Allium christophii	B			40			
Allium falcifolium	B		70-40-70				
Allium flavum			2 DS 4 y = dead				
Allium giganteum	B		70-40				
Allium goodingii	B		70D				
Allium karataviense		1	OT				
Allium karataviense	B		70-40-70-40-70- 40-70	GA-3 FATAL			
Allium moly		1	40-70				
Allium moly	B			40 GA-3 FATAL			
Allium pulchellum			2 DS 6 y = dead				
Allium pulchellum	B		40-70-40-70-40- 70				
Allium schubertii		1	70D				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Allium tanguticum</i>	B			70				
<i>Allium tricoccum</i>	B			40-70				
<i>Allium unifolium</i>			2	40 :				
<i>Allium vulgare</i>		1		70 GA-3	GA-3 ESSENTIAL	almost; fresh seed esp		
<i>Alnus crispa</i>		1		70L	GA-3 no effect			
<i>Alnus glutinosa</i>		1		70L	GA-3 no effect			
<i>Alnus hirsuta v. hirsuta</i>		1		70L	GA-3 very minor effect	bypass: L		
<i>Alnus japonica</i>		1		no germ				
<i>Alnus maritima</i>		1		no germ				
<i>Alnus rugosa</i>		1		OT	GA-3 no effect			
<i>Alnus serrulata</i>		1		40-70D	GA-3 very minor effect	bypass: L		
<i>Alonsoa linearis</i>	B			70	GA-3 No effect			
<i>Alonsoa meridionalis</i>			2	70L	:			
<i>Alonsoa warscewiczii</i>			2	70L	:			
<i>Alonsoa warscewiczii</i>	B			70D	GA-3 No effect ?			
<i>Alophia drummondii</i>			2	70L (8w)- 70D	GA-3 effect	bypass: L		
<i>Alophia drummondii</i>	B			70-40-70				
<i>Alophia lahue</i>			2	70L (8w)- 70D	:			
<i>Alstroemeria (hybrids)</i>	B			70				
<i>Alstroemeria aurantiaca</i>	B			70				
<i>Alstroemeria aurea</i>	B			70 4 w, 40				
<i>Alstroemeria garaventa</i>			2	70D (4w)-40	:			
<i>Alstroemeria haemantha</i>	B			70				
<i>Alstroemeria ligtu</i>			2	70D-40-70D-40	:			
<i>Alstroemeria pallida</i>	B			70 4 w, 40				
<i>Alstroemeria sp.</i>	B			70 4 w, 40				
<i>Alstroemeria umbellata</i>	B			40				
<i>Althaea hirsuta</i>			2	puncture, 70				
<i>Althaea hirsuta</i>		1		puncture, 70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Althaea officinalis		1	D-70				
Althaea rosea			2	60			
Alyssoides utriculata	B			70D	GA-3 No effect		
Alyssum saxatile			2	70D			
Alyssum saxatile	B			D-70			
Alyssum sp.			2	50-85DorL			
Amaranthus caudatus			2	70L			
Amaranthus cruentus		1			70 GA-3 no effect		
Amaranthus hypochondriacus		1			70 GA-3 no effect		
Ambrosia mexicana			2	70L			
Amelanchier alnifolia	B			comment			
Amelanchier canadensis	B			comment			
Amelanchier grandiflora			2	70D-40-70D-40-70D	GA-3 FATAL		
Amelanchier grandiflora		1		WC 7 d, 40-70	GA-3 no effect		
Amelanchier laevis			2	70D-40-70D-40			
Amelanchier laevis		1		WC 7 d, 70-40-70-40	GA-3 no effect		
Amelanchier sanguinea		1		WC 7 d, 40-70-40-70			
Amelanchier stolonifera			2	70D-40-70D-40-70D	GA-3 FATAL		
Amelanchier stolonifera		1		WC 7 d, 40-70	GA-3 no effect		
Amethystia caerulea		1		70D	:		
Ammi majus		1		70D	:		
Ammi visnaga		1		D-70	:		
Amorpha fruticosa			2	DS 4 y = dead			
Amorpha fruticosa		1		puncture, 70			
Amsonia jonesii		1		40-70D	:		
Amsonia montana	B				70		

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Amsonia tabernaemontana</i>	B			40-70				
<i>Amsonia tomentosa</i>			2	70D	:			
<i>Amsonia tomentosa</i>		1		70D	:			
<i>Anacampseros rufescens</i>		1		70L	GA-3 no effect			
<i>Anacyclus depressus</i>	B					70		
<i>Anagallis arvensis</i>		1		60-65	:			
<i>Anagallis linifolia</i>			2	70D	:			
<i>Anagallis linifolia</i>		1		70D	:			
<i>Anaphalis triplinervis</i>	B					70		
<i>Anaphalis virgata</i>	B					70		
<i>Anchusa angustissima</i>		1		70L				
<i>Anchusa azurea</i>	B			70L				
<i>Anchusa azurea</i>		1				70		
<i>Anchusa officinalis</i>			2	70D	:			
<i>Anchusa officinalis</i>		1		70D	GA-3 No effect			
<i>Ancistrocactus brevinamatus</i>		1c		70 GA-3				
<i>Ancistrocactus scheeri</i>		1c				70		
<i>Androcymbium rechingeri</i>	B			70-40				
<i>Androcymbium striatum</i>			2	70D	:			
<i>Andropogon gerardii</i>	Bg			D-70				
<i>Andropogon scoparia</i>	Bg			D-70				
<i>Androsace alpina</i>	B					70		
<i>Androsace armeniaca</i>	B					70		
<i>Androsace barbulata</i>	B					70		
<i>Androsace carnea</i>			2		40 :			
<i>Androsace chamaejasme</i> ssp. <i>carinata</i>	B					70		
<i>Androsace charpentieri</i>	B			OT				
<i>Androsace cylindrica</i>	B			OT				

Species	Documents	Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Androsace elongata</i>	B	70				
<i>Androsace geraniifolia</i>	B	70				
<i>Androsace hedreantha</i>	B	OT				
<i>Androsace kochii</i> ssp. <i>tauricola</i>	B	70				
<i>Androsace lactea</i>	B	40-70-40-70				
<i>Androsace lanuginosa</i>	B	70				
<i>Androsace mucronifolia</i>	B	40-70				
<i>Androsace multiscapa</i>	B	70L	GA-3 effect	bypass: L		
<i>Androsace muscoides</i>	B	70				
<i>Androsace obtusifolia</i>	B	40	GA-3 No effect			
<i>Androsace rotundifolia</i>	B	70				
<i>Androsace sempervivoides</i>	B	70				
<i>Androsace septentrionalis</i>	B	70				
<i>Androsace sericea</i>	B	40-70				
<i>Androsace spinulifera</i>	B	70				
<i>Androsace studiosorum</i>	B	40-70				
<i>Androsace vandellii</i>	B	70				
<i>Androsace villosa</i>	B	70				
<i>Androsace villosa</i> v. <i>congesta</i>	B	40-70				
<i>Androstephium breviflorum</i>	B	40				
<i>Andryala agardhii</i>	B	70				
<i>Anelsonia eurycarpa</i>		2 rotted				
<i>Anemonastrum fasciculatum</i> v. <i>roseum</i>	B	40-70-40				
<i>Anemonastrum protractum</i>	B	OT				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Anemonastrum speciosum	B			rotted				
Anemone altaica	B			70				
Anemone baicalensis	B			70				
Anemone baldensis	B			70				
Anemone biamiensis	B			70				
Anemone biflora	B			no germ				
Anemone blanda	B			40-70-40				
Anemone caucasica	B			rotted				
Anemone crinita	B			D-70				
Anemone cylindrica	B			D-70				
Anemone demissa	B			70	GA-3 germ but damaging			
Anemone drummondi	B			70				
Anemone fasciculata	B			70				
Anemone fasciculatum v. roseum	B			40-70-40				
Anemone japonica		1		no germ				
Anemone kurilensis	B			clean, 70				
Anemone lesseri	B			70D	GA-3 Inhibitory			
Anemone loesseri rubra	B			70				
Anemone magellanica			2	DS 3 y = dead				
Anemone multifida			2	70D	GA-3 little effect			
Anemone narcissiflora	B			OT				
Anemone narcissiflora 'zephyra'	B			70				
Anemone nemorosa			2	comm (germ need shift to 70 for leaf)				
Anemone nemorosa		1		70-40	GA-3 FATAL			
Anemone nemorosa	B			rotted				
Anemone obtusiloba	B			rotted				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Anemone occidentalis			2	70D (L inhibitory)	GA-3 effect	quicken germ at 70		
Anemone occidentalis	B			70				
Anemone palmata	B			70				
Anemone pavoniana	B			70				
Anemone polyanthes	B			rotted				
Anemone ranunculoides			2	70D-40-70D-40 (germ need shift to 70 for leaf)				
Anemone ranunculoides		1		70-40-70-40	GA-3 No effect			
Anemone rivularis	B			40-70L				
Anemone rupicola	B			70				
Anemone sylvestris	B			70				
Anemone tetonensis	B			rotted				
Anemone tetrasepala	B			40-70				
Anemone vitifolia	B			70				
Anemonella thalictroides	B			70D-40-70L	GA-3 nt: try?			
Anemonopsis macrophylla	B			70-40-70-40-70				
Anethum graveolens	B			70				
Angelica archangelica		1		70L	Ga-3 effect	bypass: L		
Angelica gigas	B			70L				
Angelica grayi	B			70L				
Anigozanthos falvidus			2	70D	:			
Anigozanthos flavidus		1		70D (L is inhibitory)	GA-3 minor effect	sl shorter germ time		
Anigozanthos manglesii		1		70D				
Anisodonteia capensis			2	40-70D				
Anisotome aromatica	B			40-70				
Anisotome haastii	B			40-70	GA-3 No effect			
Annona cherimola			2	WC 7 d, 70D				



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Annona cherimosa</i>		1	no germ				
<i>Anoda</i> sp.			2 rotted				
<i>Anthemis montana</i>	B		70				
<i>Anthericum liliago</i>	B		40-70	GA-3 No effect			
<i>Anthericum racemosum</i>		1	70 GA-3	GA-3 USEFUL	%; and bypass cold		
<i>Anthericum racemosum</i>	B		40-70				
<i>Anthericum torreyi</i>	B		70D	GA-3 USEFUL	%		
<i>Anthriscus cerefolium</i>		1	70				
<i>Anthriscus cerefolium</i>	B		70L				
<i>Anthyllis montana</i>	B		puncture, 70				
<i>Anthyllis vulneraria</i>	B		puncture, 70				
<i>Antigon leptopus</i>		1	70				
<i>Antirrhinum major</i>			2 70D	:			
<i>Antirrhinum majus</i>	B		D-70				
<i>Aphananthe aspersa</i>	B		40				
<i>Apium graveolens</i>			2 70D	:			
<i>Apium graveolens</i>		1	70				
<i>Aquilegia akitensis</i>	B		70	nt: try?			
<i>Aquilegia atravinoso</i>	B		40-70-40	nt: try?			
<i>Aquilegia barnebyi</i>	B		40-70	GA-3 USEFUL	bypass: cold		
<i>Aquilegia canadensis</i>		1	comment	GA-3 USEFUL	for fresh seed		
<i>Aquilegia canadensis</i>	B		70 GA-3 (or some DS)	GA-3 USEFUL	%		
<i>Aquilegia chrysantha</i>			2 70 GA-3	GA-3 USEFUL	%%; and bypass L		
<i>Aquilegia coerulea</i>	B		70 GA-3	GA-3 USEFUL	bypass: cold		
<i>Aquilegia discolor</i>		1	70 GA-3	GA-3 USEFUL	%; and bypass cycling		
<i>Aquilegia elegantula</i>	B		70 GA-3	GA-3 ESSENTIAL			
<i>Aquilegia eximia</i>	B		70D	nt: try?			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Aquilegia flabellata nana	B			70 GA-3 (or some DS)	GA-3 ESSENTIAL	almost		
Aquilegia flavescens	B			OT	nt: try?			
Aquilegia formosa			2	40-70D (or, 70 GA-3)	GA-3 USEFUL	bypass: cold		
Aquilegia formosa	B			40-70	nt: try?			
Aquilegia fragrans		1		70L	Ga-3 effect	bypass: L		
Aquilegia fragrans	B			70-40-70	nt: try?			
Aquilegia japonica			2	70 GA-3	GA-3 ESSENTIAL	almost		
Aquilegia jonesii	B			(70 GA-3)	GA-3 USEFUL	%%%		
Aquilegia jonesii x saximontana	B			40-70-40-70	nt: try?			
Aquilegia jucunda	B			OT	nt: try?			
Aquilegia laramiensis	B			70 GA-3	GA-3 ESSENTIAL			
Aquilegia micrantha	B			70	nt: try?			
Aquilegia olympica	B			OT	nt: try?			
Aquilegia pyrenaica	B			70	nt: try?			
Aquilegia saximontana	B			70 GA-3	GA-3 USEFUL	%; and bypass cold		
Aquilegia scopulorum			2	70 GA-3	GA-3 ESSENTIAL			
Aquilegia scopulorum		1		70 GA-3	GA-3 ESSENTIAL			
Aquilegia scopulorum	B			70 GA-3	GA-3 USEFUL	%; and bypass cold		
Aquilegia skinneri	B			70	nt: try?			
Aquilegia sp. (Darwas)	B			70 GA-3	GA-3 USEFUL	%		
Aquilegia tridentata	B			40	nt: try?			
Aquilegia vulgaris			2	comment	GA-3 ESSENTIAL			
Aquilegia vulgaris		1		comment				
Aquilegia vulgaris	B			70 GA-3 (or some DS)	GA-3 USEFUL			
Arabis albida	B			70				
Arabis alpina	B			70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Arabis bellidifolia	B			70				
Arabis blepharophylla	B			70				
Arabis petraea	B			70				
Arabis pumila	B			70				
Arabis purpurea	B			70				
Aralia californica		1		70D-40-70D (or 70 GA-3)	GA-3 USEFUL	bypass: cycling		
Aralia elata		1		70 GA-3	GA-3 ESSENTIAL			
Aralia hispida	B			40-70				
Aralia nudicaulis			2	no germ	GA-3 No effect			
Aralia nudicaulis		1		no germ	[RPS: Wash, spit, germ cold]			
Aralia racemosa	B			OT				
Araujia seridifera			2	70L				
Arbutus menziesii			2	70D				
Arbutus menziesii		1		40	GA-3 Little effect	germ at 70		
Arbutus menziesii	B			40-70				
Arctium lappa		1		D-70	:			
Arctomecon californica		1		70 GA-3	GA-3 ESSENTIAL			
Arctomecon humilis		1		no germ (old seed)				
Arctostaphylos columbiana x uva-ursi	B			OT				
Arctostaphylos crustacea			2	70 GA-3 40-70D- 40-70D	GA-3 USEFUL	minor %		
Arctostaphylos crustacea		1		70 GA-3 40-70				
Arctostaphylos nevadensis	B			70-40-70-40				
Arctostaphylos patula		1		70 GA-3 40-70	GA-3 ESSENTIAL ?			
Arctostaphylos pungens			2	70 GA-3	GA-3 ESSENTIAL	almost; bypass cycling		

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Arctostaphylos pungens		1		WC 14 d, 70 GA-3 40-70	GA-3 USEFUL	%; shorter cycling		
Arctostaphylos pungens	B			70 GA-3				
Arctostaphylos uva-ursi		1		70 GA-3 40	GA-3 minor effect	small%; shorter cycling		
Arctostaphylos uva-ursi	B			70-40-70				
Ardisia crenata			2	rotted				
Ardisia crenata		1		no germ				
Ardisia crispa			2	DS 1 y = dead				
Arenaria caroliniana	B			OT				
Arenaria hookeri		1		70D	:			
Arenaria kingii	B			70				
Arenaria norvegica		1		70 GA-3	GA-3 ESSENTIAL			
Arenaria polaris	B			70				
Arenaria procera	B			70				
Arenaria pseudoacantholimon	B			70				
Arenaria purpurescens	B			70				
Arenaria saxosa	B			70				
Arenaria stricta	B			70				
Arenaria tmolea	B			70 GA-3	GA-3 USEFUL	%		
Arequipa erectocylindrica		1c		70 GA-3				
Arequipa sp. 'tachna'		1c		70				
Arequipa weingartiana		1c		70 GA-3				
Arethusa bulbosa	Bo			comment				
Argemone grandiflora		1		70D	:			
Argemone hispida		1		70 GA-3	%; and bypass cold			
Argemone munita			2	70 GA-3	GA-3 ESSENTIAL	almost		
Argemone munita		1		70 GA-3	GA-3 ESSENTIAL			
Argemone pleicantha		1		OT	nt: try?			
Argemone pleicantha	B			OT				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Argylia adscendens	B			70L				
Argylia potentillifolia	B			70L				
Argylia sp.	B			40-70D				
Argyranthemum sp.			2	chaff				
Argyreia nervosa		1		70D	:			
Argyroderma congregatum		1						70
Ariocarpus agavoides		1c						70
Ariocarpus kotschoubeyanus		1c		70 GA-3				
Ariocarpus retusus		1c		70 GA-3				
Ariocarpus trigonus		1c		no germ				
Arisaema amurense		1		70D				
Arisaema consanguineum	B				70 GA-3 Little effect			
Arisaema dracontium	B			OT, WC 14 d, 70				
Arisaema flavum	B			70				
Arisaema jacquemonti	B			70				
Arisaema nepenthioides	B			40				
Arisaema quinata		1		comment				
Arisaema quinquefolium		1		misnamed, = A quinata				
Arisaema quinquefolium	B			OT, WC 14 d, 70				
Arisaema sikokianum	B			40				
Arisaema thunbergii	B			70				
Arisaema tortuosum	B			70				
Arisaema triphyllum	B			OT, WC 14 d, 70	GA-3 USEFUL	%; bypass OT		
Aristea ecklonii			2	empty				
Aristolochia baetica	B			40-70L	nt: try?			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Aristolochia macrophylla		1	70L	GA-3 minor effect	bypass: L		
Aristolochia serpentaria	B		40-70-40-70-40-70	nt: try?			
Aristotelia fruticosa x serrata			2 empty				
Armataocereus matulanensis		1c	70 GA-3				
Armenaica sibirica	B		40				
Armeria caespitosa	B		70				
Armeria corsica	B		70				
Armeria maritima			2 70D	:			
Armeria maritima		1	70D	:			
Armeria tweedyi	B		70				
Arnebia echioides	B		70 GA-3	GA-3 ESSENTIAL			
Arnebia euchroma	B		70				
Arnica frigida	B		70				
Arnica montana	B		70				
Aronia arbutifolia			2 no germ				
Aronia arbutifolia		1	no germ	GA-3 no effect ?			
Aronia melanocarpa		1	70L-40-70L (or OT)	GA-3 no effect			
Artemesia pamirica		1	2 70D	:			
Artemisia caucasica	B		D-70D				
Artemisia frigida	B		D-70D				
Artemisia pamirica		1	70D				
Artemisia pamirica	B		D-70D				
Arthropodium cirrhatum			2 70 GA-3	GA-3 ESSENTIAL	almost		
Arthropodium cirrhatum	B		70 GA-3	GA-3 ESSENTIAL			
Arthropodium cirrhatum		1	70 GA-3 40-70-40	GA-3 ESSENTIAL			
Arum concinatum			2 70D	:			
Arum cyrenaicum			2 70D	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Arum dioscoridis			2 70D				
Arum italicum			2 70D-40-70D				
Arum maculatum	B		40-70-40-70-40				
Arum nigrum			2 70D-40-70D				
Aruncus dioicus		1	70L				
Aruncus dioicus	B		70L	GA-3 effect	bypass: L		
Aruncus sylvestris		1	70L				
Aruncus sylvestris	B		70L	GA-3 no effect			
Asarina barclaiana			2 70D	:			
Asarina barclaiana		1	70L	:			
Asarina procumbens	B		70L				
Asarina purpusii			2 70D				
Asarum canadensis	B		WC 14 d, 40-70	nt: try?			
Asarum europaeus	B		WC 7 d, 70-40	nt: try?			
Asclepias cordifolia			2 DS 20 y = dead				
Asclepias cryptoceras		1	40-70				
Asclepias erosa			2 DS 20 y = dead				
Asclepias incarnata	B		40-70L	GA-3 no effect			
Asclepias phytolaccoides	B		70L	GA-3 USEFUL	bypass: L		
Asclepias quadrifolia	B		70L-40-70L				
Asclepias speciosa			2 DS 20 y = dead				
Asclepias syriacus	B		40-70L	GA-3 USEFUL	bypass: cold, L		
Asclepias tuberosa	B		40-70	GA-3 USEFUL	bypass: cold		
Asclepias viridiflorus	B		40-70				
Asimina triloba		1	40-70 ; (70 GA-3)	GA-3 USEFUL	bypass: cold		
Asimina triloba	B		WC 14 d, 40-70				
Asparagus officinalis	B		WC 4 d, 70				
Asparagus sprengeri			2 70D	:			
Asparagus sprengeri		1	WC 1 d, 70D	:			
Asperula arvensis	B			40			
Asperula orientalis	B			70 GA-3 inhibitory			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Asperula pontica	B			70				
Asperula tinctoria	B			70				
Asphodeline brevicaulis			2	70D				
Asphodeline brevicaulis		1		70D				
Asphodeline liburnica			2	70D	:			
Asphodeline liburnica		1		70D				
Asphodeline lutea			2	70D	:			
Asphodeline lutea		1		70D	:			
Asphodeline lutea	B			70				
Asphodeline microcarpus			2	70D	:			
Asphodelus aestivus			2	70D				
Asphodelus albus			2	70D-40				
Asphodelus albus		1		40-70D				
Asphodelus cerasiferus			2	70D				
Asphodelus fistulosus			2	70D				
Asphodelus fistulosus		1		70D	:			
Asphodelus fistulosus	B			40				
Asphodelus luteus			2	70D				
Asphodelus microcarpus			2	70D	:			
Asphodelus ramosus			2	70D-40	:			
Astelboides	B			see Rodgersia				
Astelia nervosa	B			40-70-40-70				
Aster alpellus	B			D-70				
Aster alpigenus v haydenii			2	70D	:			
Aster alpinus		1		70D	:			
Aster alpinus	B			70	:			
Aster bigelovii	B			70				
Aster brachytrichus	B			D-70				
Aster coloradoensis	B			D-70				
Aster ericoides	B			70				
Aster farreri	B			D-70				



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Aster himalaicus	B			D-70				
Aster likiangensis	B			D-70				
Aster nova-anglae	B			70				
Aster oblongifolius	B			70				
Aster sibirica	B			D-70				
Aster tibeticus	B			D-70				
Asteromoa mongolica			2	70D	:			
Asteromoa mongolica		1		70D				
Asteromoa mongolica	B			70				
Astilbe biternata	B			70L	GA-3 little effect	bypass: L		
Astilbe chinensis	B			70L				
Astilboides tabularis	B			comment (Rodgersia)				
Astragalus glycyphyllos		1		puncture, 40-70				
Astragalus glycyphyllos	B			puncture, 70D				
Astragalus membranaceous		1		comment				
Astragalus sp.	B			70				
Astragalus whitneyi	B			70				
Astrantia carniolica rubra			2	70D-40	:			
Astrantia involucrata			2	70D-40	: GA-3 no effect			
Astrantia major			2	70D-40	:			
Astrantia major	B			40				
Astrantia major		1		70-40				
Astrantia minor			2	40-70D-40 (or, 70L-40)				
Astrantia minor		1		70-40				
Astrophytum asterias		1c		70 GA-3				
Astrophytum capricorne crassispinum		1c		70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Astrophytum coahuilense		1c		70 GA-3			
Astrophytum x 'sen-as'		1c		70 GA-3			
Asyneuma limonifilium			2	70D	:		
Asyneuma limonifolium		1		70D	:		
Athamanta turbith	B			70			
Atractyloides japonica		1		chaff			
Atriplex canescens			2	70D GA-4 or GA-7	only if using cytokinin		
Atriplex hymenolytra		1		extract, 70D	GA-3 no effect		
Atriplex longipes		1		OT	GA-3 USEFUL	bypass: cold	
Atropa belladonna	B			70 GA-3	GA-3 USEFUL	bypass: cold	
Aubrieta deltoides	B			70			
Aubrieta grandiflora		1		70D	:		
Aucuba japonica	B			70			
Aureolaria virginica	B			40-70			
Austrocactus bertinii		1c		70 GA-3			
Austrocactus bertinii 'patagonicus'		1c		no germ			
Austrocylindropuntia floccosa		1c		no germ			
Austrocylindropuntia haematacantha		1c		no germ			
Austrocylindropuntia inarmata		1c		no germ			
Austrocylindropuntia shaferi		1c		70 GA-3			
Austrocylindropuntia weingartiana		1c		no germ			
Averrhoa carambola			2	70L	:		
Azorina vidallii			2	70L	:		
Azorina vidallii		1		70L	:		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Aztekium ritteri		1c		70 GA-3			
Babiana dregei			2	70D (L inhibitory)	:		
Babiana tubulosa			2	70D (L inhibitory)	:		
Baeometra uniflora			2	70L-40	:		
Ballota pseudodictamnus	B			70			
Balsamorhiza hookeri	B			70			
Balsamorhiza sagittata	B			70 GA-3	GA-3 USEFUL	% ?	
Bambusa arundinacea			2	70L	: GA-3 no effect		
Banksia integrifolia			2	comment			
Banksia prionotes			2	comment			
Banksia sp.		1		comment			
Baptisia australis			2	puncture, 70D			
Baptisia australis		1		puncture, 70D			
Baptisia australis	B			70			
Baptisia leucophaea	B			OT			
Baptisia viridis			2	puncture, 70D			
Baptisia viridis		1		puncture, 70D			
Barbarea rupicola			2	empty			
Barbarea sp.			2	70D	:		
Barbarea vulgaris		1		70L	GA-3 no effect		
Barbarea vulgaris variegata			2	70L	:		
Barleria obtusa			2	empty			
Bartsia alpina		1		70 GA-3	GA-3 ESSENTIAL	almost	
Bauhinia monandra	B			70D			
Bauhinia purpurea	B			70D			
Baumea articulata			2	no germ	GA-3 no effect		
Begonia dioica	B			D-70			
Begonia evansiana	B			D-70			
Begonia hirta			2	DS 3 y = dead			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Begonia picta	B		D-70				
Begonia semperflorens			2 70L	:			
Begonia suffruticosa			2 70D	:			
Begonia suffruticosa		1	70	:			
Begonia tuber hybrida			2 60L	:			
Belamcanda chinensis			2 DS 5 y = dead				
Belamcanda chinensis	B		70				
Bellevalia dubia	B		D-40				
Bellevalia pycnantha	B		D-40				
Bellevalia romana	B		D-40				
Bensoniella oregona	B		70L				
Berardia subacaulis			2 70D				
Berardia subacaulis		1	70D	:			
Berberis julianae	B		WC 7 d, 40	GA-3 no effect			
Berberis sphaerocarpa	B		WC 7 d, 70				
Berberis thunbergii	B		WC 7 d, 40-70				
Bergenia ciliata	B		70				
Berlandiera lyrata			2 70	:			
Berlandiera lyrata		1	70D	:			
Bertholletia excelsa		1	comment				
Berzelia galpinii			2 70L				
Berzelia lanuginosa			2 70L				
Berzelia rubra			2 70L				
Beschorneria bracteata		1	70D	GA-3 no effect			
Beschorneria yuccoides			2 70D-40 (?? Actually 40?)				
Bessya alpina (see Synthris)		1	70D-40-70D (some germ 1st 70)	GA-3 inhibitory			
Beta vulgare			2 70	:			
Betula delavayi	B		70				
Betula ermanii	B		70L				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Betula glandulosa		1	40-70D	GA-3 v minor effect	sl bypass: cold		
Betula lenta	B		40-70				
Betula lutea	B		40-70				
Betula nana		1	70 GA-3	GA-3 USEFUL	%		
Betula pendula	B		70				
Betula platyphylla japonica		1	70L	GA-3 no effect			
Betula populifolia		1	70L				
Betula populifolia	B		70L	GA-3 no effect			
Betula pubescens		1	70L	GA-3 inhibitory			
Betula tianschanica	B		40-70L				
Bidens ferrucaefolia			2 70D	:			
Billardiera longiflora			2 70 GA-3 - 40	GA-3 ESSENTIAL	almost		
Billardiera longiflora fructoalba			2 70 GA-3	GA-3 ESSENTIAL			
Biscutella coronopifolia		1	70D	:			
Bitium		1	see Chenopodium				
Bixa orellana		1	70	GA-3 no effect			
Bixa orellana	B		70	GA-3 no effect			
Blackstonia perfoliata	B		70				
Blephilia hirsuta		1	70L	:			
Bloomeria crocea		1	40	:			
Blossfeldia iliputana		1c	no germ				
Boenninghausenia albiflora		1	70D	:			
Bolboschoenus caldwellii			2 40-70L	GA-3 no effect			
Bolboschoenus fluviatilis			2 40-70L	GA-3 no effect			
Bomarea sp.			70D-40-70D-40- 70D-40-70D-40- 2 70D-40-70D				
Bomarea sp.		1	70 GA-3	GA-3 ESSENTIAL	almost		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Bombax malabaricum		1	70D				
Bongardia sp.	B			40			
Borago officinalis		1	D-70	GA-3 effect	on fresh seed only		
Borago officinalis	B		70D GA-3	GA-3 USEFUL	%%%		
Boronia ledifolia			2	rotted			
Boronia megastigma			2	rotted			
Bouteloua curtipendula	Bg			D-70			
Bouteloua gracilis	Bg			D-70			
Boykinia aconitifolia			2	70L	GA-3 little effect	minor bypass: L	
Brachiaria dictyoneura			2	70 GA-3	GA-3 minor effect	%	
Brachiaria dictyoneura		1		D-70 OS	GA-3 no effect		
Brachycome iberidifolia			2	70D	:		
Brachycome iberidifolia	B			70			
Brachyglottis bellidioides		1		70L			
Brassica olearaceae	B			70L	GA-3 USEFUL	incr %germ	
Braya alpina		1		70L	:		
Briggsia aurantiaca	B			70L			
Brimeura amethystina	B			40-70-40			
Brimeura amethystina		1		40-70-40			
Brimeura amethystina alba		1		70L-40	GA-3 v minor effect	some germ at 70	
Brimeura pulchella		1		40	:		
Briza maxima	Bg			D-70			
Brodiaea congesta	B			40			
Brodiaea douglasii	B			40-70			
Brodiaea pulchella	B			40			
Brodiaea laxa			2	70D-40			
Bromus macrostachys	Bg			D-70			
Broussonetia papyrifera			2	DS 2 y = dead			
Broussonetia papyrifera		1		70D-40-70D			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Browallia sp.				comment (70L 2 likely best)				
Browningia candelaris			2c	50-70 GA-3 or GA-4				
Bruckenthalia spiculifolia	B			70				
Brugmansia suaveolens			2	70L-40-70L				
Brunia laevis			2	rotted				
Brunia stokei			2	rotted				
Buddleia davidii	B			70L				
Buddleia davidii		1		70L				
Buddleia globosa			2	70 :				
Buiningia aurea		1c		no germ				
Buiningia brevicylindrica		1c		no germ				
Bulbine annua			2	70 :				
Bulbine annua		1		70L				
Bulbine bulbosa			2	70 :				
Bulbine bulbosa		1		70 :				
Bulbine caulescens			2	70 :				
Bulbine caulescens		1		70 :				
Bulbine frutescens			2	70 :				
Bulbine frutescens		1		70 :				
Bulbine glauca			2	rotted				
Bulbine semibarbata			2	70D	:			
Bulbinella hookeri	B			40-70-40	GA-3 no effect			
Bulbocodium verum	B			70-40-70-40				
Bupleurum aureum	B			40	GA-3 USEFUL	bypass: cold		
Bupleurum longifolium			2	70D-40				
Bupleurum longifolium		1		70-40-70-40				
Bupleurum ranunculoides			2	70D (L inhibits)				
Bupleurum ranunculoides		1		70D (L inhibits)				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Bupleurum rotundifolium			2	40 :			
Bupleurum rotundifolium		1		40 GA-3 inhibitory			
Bupleurum spinosum	B			70D-40			
Butia capitata			2	comment			
Butia capitata v. odorata		1		no germ			
Butomus umbellatus	B			40-70L	GA-3 no effect		
Caesalpinia pulcherrima		1		rotted			
Caesalpinia pulcherrima			2	rotted			
Cajanus cajan		1		70D	:		
Cajophora acuminata			2	DS 1 y = dead			
Cajophora acuminata		1		70D	:		
Cajophora coronata	B			70L			
Cajophora laterita	B			70D	GA-3 no effect		
Calamagrostis acutiflora	Bg			D-70			
Calandrinia acutisepala			2	empty			
Calandrinia caespitosa	B			40-70			
Calandrinia caespitosa			2	empty			
Calandrinia grandiflora	B				70		
Calandrinia umbellata	B				70		
Calastrus scandens	B?			WC, 70			
Calceolaria (annual hybrids)			2	55-75			
Calceolaria falklandica	B				70		
Calendula officinalis		1		D-70	:		
Callianthemum sp.	B			no germ (DS seed)			
Callicarpa dichotoma	B				70		
Callicarpa japonica	B			WC, 70L			
Callistemon sp.	B			70L	GA-3 little effect		
Callistemon speciosus		1		70D	:		



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Callistemon speciosus	B			70L	GA-3 little effect			
Callistemon speciosus			2	70D	:			
Callistephus chinensis			2	50-85	:			
Callitris canescens			2	70D-40				
Callitris rhomboidea		1		70	:			
Calluna vulgaris	B			70D GA-3	GA-3 USEFUL	% , and bypass: L		
Calochortus aureus	B			40				
Calochortus gunnisonii	B			40				
Calochortus kennedyi		1		40	:			
Calochortus sp.	B			40				
Calonyction aculeatum		1		comment				
Caloscordum neriniflorum	B			70				
Calothamnus quadrifidus		1		70L	:			
Calothamnus quadrifidus	B			70L	GA-3 little effect			
Caltha biflora	B			40-70				
Caltha leptosepala	B			OT				
Caltha palustris		1		70 GA-3	GA-3 USEFUL	%		
Caltha palustris	B			OT				
Calycanthus floridus	B			70				
Calycocarpum lyoni			2	40-70D-40	GA-3 no effect			
Calycocarpum lyoni		1		40-70D-40	GA-3 no effect			
Calydorea amabilis			2	70D (L inhibits)				
Calydorea nuda			2	70D (L inhibits)	:			
Calydorea pallens			2	70L	:			
Calydorea speciosa			2	70D (L inhibits)	:			
Calydorea xiphioides			2	70L-40	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Calylophus lavandulifolius</i>		1	70D	:			
<i>Calylophus lavandulifolius</i>	B		70	GA-3 inhibitory			
<i>Calyptridium monospermum</i>		1	70L	GA-3 minor effect	bypass: L		
<i>Calyptridium umbellatum</i>		1	70 GA-3	GA-3 USEFUL	%; and bypass: L		
<i>Calyptridium umbellatum</i>	B		70L				
<i>Camassia leichtlinii</i>	B		40-40				
<i>Camassia leichtlinii</i> v. <i>suksdorfii</i>	B		40-40				
<i>Campanula</i> (annuals)		2	55-85	:			
<i>Campanula alliarifolia</i>	B		40-70				
<i>Campanula allioni</i>	B		D-70				
<i>Campanula alpina</i>	B		D-70				
<i>Campanula altaica</i>	B		40-70				
<i>Campanula americana</i>	B		D-70 40-70				
<i>Campanula aucheri</i>	B		D-70				
<i>Campanula barbata</i>	B		D-70				
<i>Campanula bellidifolia</i>	B		D-70				
<i>Campanula betulaefolia</i>	B		70				
<i>Campanula caespitosa</i>	B		70				
<i>Campanula carpathica</i>	B		D-70				
<i>Campanula carpatica alba</i>		2	70D	:			
<i>Campanula cashmeriana</i>	B		70				
<i>Campanula cenisia</i>	B		70				
<i>Campanula chamissonii</i>	B		70				
<i>Campanula cochlearifolia</i>	B		D-70				
<i>Campanula collina</i>	B		D-70				
<i>Campanula coriacea</i>	B		70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Campanula finitima	B			D-70				
Campanula formanekiana	B			D-70				
Campanula garganica	B			D-70				
Campanula glomerata	B			D-70				
Campanula glomerata acaulis	B			70L				
Campanula gracilis	B			D-70				
Campanula hawkinsiana	B			D-70				
Campanula incurva			2	70L	"			
Campanula jenkinsae	B			D-70				
Campanula latifolia			2	70D	:			
Campanula latifolia		1		70	:			
Campanula latifolia alba			2	comment				
Campanula latifolia alba		1		70D	:			
Campanula latiloba	B			40				
Campanula linearifolia	B			70L	GA-3 USEFUL	bypass: L		
Campanula linifolia	B			D-70				
Campanula longistyla	B			D-70				
Campanula lyrata	B			70				
Campanula medium	B			70				
Campanula moesica	B			D-70				
Campanula napuligera	B			D-70				
Campanula ossetica	B			70L				
Campanula pallida	B			40-70				
Campanula persicifolia	B			D-70				
Campanula pilosa	B			D-70				
Campanula pulla	B			D-70				
Campanula punctata	B			70L				
Campanula pyramidalis			2	70D				
Campanula pyramidalis	B			70				
Campanula raddeana	B			D-70				
Campanula ramosissima	B			D-70L				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Campanula rapunculoides	B			D-70 40-70				
Campanula rotundifolia	B			D-70				
Campanula sarmakadensis	B			70L	GA-3 USEFUL	bypass: L		
Campanula sarmatica	B			D-70				
Campanula saxifraga	B			D-70				
Campanula scabrella	B			70L	GA-3 USEFUL	bypass: L		
Campanula scheuzeri	B			D-70				
Campanula shetleri			2	40-70D				
Campanula sibirica	B			D-70				
Campanula spicata	B			70				
Campanula steveni	B			D-70				
Campanula takesimana	B			70L				
Campanula taurica	B			70				
Campanula thrysoides			2	DS 4 y = dead				
Campanula trautvetteri	B			70				
Campanula tridentata	B			D-70				
Campsis radicans	B			soak, strip, 70L				
Canna indica	B			comment				
Cannabis sativa		1		70	GA-3 no effect			
Capparis spinosa	B			70 GA-3				
Capparis spinosa		1		70 GA-3 40-70	GA-3 ESSENTIAL	almost		
Capsicum annuum			2	70D	:			
Capsicum annuum		1		70L	GA-3 no effect			
Capsicum frutescens			2	WC, 70	:			
Capsicum frutescens		1		70D				
Capsicum frutescens	B			WC, 70D	GA-3 no effect			
Capsicum pubescens		1		70				
Cardamine pennsylvanica		1		70L	:			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Cardiocrinum cordatum v. glehnii			2	40-70D-40-70D-40-70D-40-70D-40-70D				
Cardiocrinum cordatum v. glehnii		1		no germ				
Cardiocrinum giganteum		1		40-70-40-70-40				
Cardiocrinum giganteum	B			40-70-40-70-40	GA-3 no effect			
Cardiospermum halicacabum	B			70L	GA-3 USEFUL	bypass: L		
Carex arenaria			2	70L	:			
Carex arenaria		1		70L	GA-3 no effect			
Carex comans			2	70L	:			
Carex comans		1		70L	GA-3 no effect			
Carex grayi			2	70L				
Carex grayi		1		70L	GA-3 no effect			
Carex lurida			2	70L (best remove husks)	:			
Carex lurida		1		70L	GA-3 no effect			
Carex muskingumensis		1		70L	GA-3 no effect			
Carex pendula			2	70L	:			
Carex pendula		1		70L	GA-3 no effect			
Carex retrorsa			2	70L				
Carex retrorsa		1		70L-40-70L	GA-3 no effect			
Carex secta			2	DS 7 y = dead				
Carex stricta		1		70L	GA-3 no effect			
Carica papaya			2	70L	:			
Carica papaya	B			WC 7 d, 70L	GA-3 USEFUL	%; bypass: L		
Carica papaya		1		70L				
Carlina acaulis	B			70L				
Carmichaelia apressa		1		puncture, 70				
Carmichaelia monroi		1		puncture, 70				
Carnegia gigantea		1c		70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Carpentaria californica			2 70L	GA-3 effect	bypass: L		
Carica papaya	B		WC 7 d, 70L	GA-3 USEFUL	%; bypass: L		
Carthamus tinctorious	B		70				
Carum caryi			2 70L	GA-3 minor effect	bypass: L		
Carum caryi		1	70L	:			
Carya sp.		1	rotted				
Caryopteris incana	B		70				
Cassiope fastigiata	B		70L				
Castanea sativa		1	extract, peel, 70				
Castanea sinensis		1	extract, peel, 70				
Castillea parviflora		1	70D				
Castilleja integra	B		70				
Castilleja miniata	B		70-40				
Castilleja parviflora	B		70D				
Castilleja rhexifolia	B		70-40				
Castilleja sp.	B		40				
Casuarina sp.		1	70				
Catalpa bignonioides			2 70L				
Catalpa bignonioides		1	70L	GA-3 effect	bypass: L		
Catalpa bignonioides	B		70L				
Catharanthus roseus		1	70 :				
Caulophyllum thalictroides			2 no germ	GA-3 no effect			
Caulophyllum thalictroides		1	OT	GA-3 no effect			
Caulophyllum thalictroides	B		WC 7 d, 40-70- 40-70-OT	GA-3 no effect			
Cautleya spicata		1	70D				
Ceanothus americana	B		extract, OT				
Cedrela sinensis		1	70D				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Cedrus atlantica</i>	B			40				
<i>Celmisia armstrongii</i>	B			D-70	GA-3 no effect			
<i>Celmisia dallii</i>	B			D-70	GA-3 no effect			
<i>Celmisia monroi</i>	B			D-70	GA-3 no effect			
<i>Celmisia semicordata</i>	B			D-70	GA-3 no effect			
<i>Celmisia spectabilis</i>	B			D-70	GA-3 no effect			
<i>Celmisia traversii</i>	B			D-70	GA-3 no effect			
<i>Celosia argentea</i>			2	70	:			
<i>Celtis tenuifolia</i>	B			D-40 OT				
<i>Centaurea maculosa</i>	B			D-70				
<i>Centaureum erythraea</i>	B			70				
<i>Centaureum meyeri</i>	B			70				
<i>Centaureum muhlenbergii</i>			2	70D				
<i>Centaureum muhlenbergii</i>		1		70D				
<i>Centaureum pulchellum</i>	B			D-70L	GA-3 USEFUL	bypass: L		
<i>Centaureum scilloides</i>	B			D-70L				
<i>Centranthus ruber</i>	B			70				
<i>Cephalanthus occidentalis</i>	B			70L				
<i>Cephalaria gigantea</i>			2	DS 4 y = dead				
<i>Cephalaria leucantha</i>	B			70L				
<i>Cephalocereus alensis</i>		1c		70				
<i>Cephalocereus royenii</i>		1c		70				
<i>Cephalocereus senilis</i>			2c	70 GA-4				
<i>Cephalocereus senilis</i>		1c		70				
<i>Cerastium alpinum</i>	B			D-70				
<i>Cerastium bossieri</i>			2	70D				
<i>Cerastium candidissimum</i>	B			D-70				
<i>Cerastium fontanum</i>			2	DS 3 y = dead				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Cerastium fontanum		1	70L				
Cerastium maximum	B		D-70				
Cerastium montanum	B		D-70				
Cerastium uniflorum	B		D-70				
Ceratotheca triloba		1		70 GA-3 no effect			
Cercidiphyllum japonicum	B		40-70				
Cercis canadensis alba	B		puncture, 70				
Cercis chinensis	B		40-70				
Cercocarpus betuloides	B		70D	GA-3 no effect			
Cercocarpus intricatus			2	40			
Cercocarpus intricatus		1	70D-40-70D				
Cereus aethiops		1c	70 GA-3				
Cereus validus		1c	70 GA-3				
Cerithe major			2	70 GA-3	GA-3 USEFUL	strong %%	
Cerithe major		1	70 GA-3	GA-3 effect	%		
Cestrum nocturnum		1	70L	:			
Chaenactis douglasii	B			40			
Chaenomeles japonica	B		WC, 40-70				
Chaenomeles sinensis			2	40 :			
Chaenomeles sinensis		1	WC 7 d, 70	:			
Chaenorrhinum oreganifolium	B		70L				
Chaerophyllum hirsutum			2	no germ			
Chamaebatia millefolium		1		70	GA-3 inhibitory or fatal		
Chamaebatia millefolium			2	70 :			
Chamaechaenactis scaposa	B			70			
Chamaecytisus austriacus			2	puncture, 70D			
Chamaecytisus austriacus		1		puncture, 70			
Chamaecytisus austriacus	B			puncture, 70			



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Chamaedaphne calyculata			2 70L				
Chamaedaphne calyculata		1	70 GA-3	GA-3 effect	%; and bypass: L		
Chamaelirium luteum			2 70D	GA-3 no effect			
Chamaemelum nobile		1	D-70	:			
Chamaespartium sagitate			2 70D				
Chasmanthe floribunda			2 70D-40				
Cheiranthus cheiri			2 50-85				
Cheiranthus cheiri	B			70			
Chelidonium majus	B			70			
Chelone glabra	B		70L-40-70L				
Chenopodium (Bitium) virgatum		1	70L	:			
Chenopodium ambrosiodes		1	comment	:			
Chenopodium ambrosiodes	B		70L				
Chenopodium bonus			2 70L	:			
Chenopodium bonus		1	70L	:			
Chenopodium virgatum			2 70L	GA-3 inhibitory			
Chenopodium vulvaria		1	70L	:			
Chenopodium vulvularia			2 DS 3 y = dead				
Chiastophyllum oppositifolia	B		70D GA-3	GA-3 ESSENTIAL			
Chiliotrichum amelloides			2 chaff				
Chilopsis linearis	B		70D				
Chimonanthus praecox			2 DS 3 y = dead				
Chimonanthus praecox		1	70D	:			
Chionanthus virginica		1	70-40-70	?			
Chionanthus virginica	B		WC 7 d, 40-70-40-70	GA-3 no effect			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Chionochloa rubra			2 chaff				
Chionodoxa luciliae	B		WC 7 d, 70-40 5 m-70-40				
Chloranthus sp.	B		rotted				
Chlorogalum pomeridianum	B		40	GA-3 inhibitory?			
Chordospartium muritai		1	70				
Chrysanthemum cinerarifolium			2 55-80				
Chrysanthemum djilgense	B		D-70				
Chrysanthemum koreanum	B		D-70				
Chrysanthemum leucanthemum	B		70				
Chrysanthemum pyrethroides	B		D-70				
Chrysopsis villosa	B		70				
Cicer arietinum		1	70 GA-3	GA-3 minor effect	%		
Cicerbita alpina		1	70L	GA-3 FATAL			
Cichorium intybus	B		70L				
Cimicifuga racemosa	B		70-40	GA-3 inhibitory?			
Circaea lutetiana		1	OT				
Circaea lutetiana	B		70L	GA-3 inhibitory?			
Cissus striata			2 70D-40-70D				
Cistus laurifolius	B		70				
Citrofortunella mitis			2 WC, 70L (fresh seed)	:			
Citrullus vulgaris		1	70	:			
Citrullus vulgaris			2 70	:			
Citrullus vulgaris	B		70				
Citrus nobilis	B		70L	GA-3 little effect			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Cladastris lutea			2	puncture, 70	:		
Cladastris lutea		1		comment			
Cladastris lutea	B			puncture, 70			
Cladothamnus pyroliflorus			2	70L	:		
Clarkia amoena	B			70			
Clarkia elegans			2	50-85	:		
Claytonia megarhiza	B			OT			
Claytonia virginica	B			70-40			
Cleistocactus aureispinus		1c		70 GA-3			
Cleistocactus baumannii		1c		no germ			
Cleistocactus smaragdiflorus		1c		70 GA-3			
Clematis addisonii		1		70 GA-3	GA-3 effect	%; essential only for fresh seed	
Clematis addisonii	B			70D GA-3	GA-3 ESSENTIAL		
Clematis albicoma v. coactilis	B			70			
Clematis alpina	B			70-40			
Clematis coactilis			2	70D-40-70D	GA-3 FATAL		
Clematis coactilis		1		70D	GA-3 FATAL		
Clematis columbiana		1		OT; (or 70L)			
Clematis columbiana	B			70L	GA-3 FATAL		
Clematis connata	B			40-70			
Clematis crispa	B			40-70-40-70-40			
Clematis forsteri	B			70 GA-3 40	GA-3 USEFUL		
Clematis grata		1		70L			
Clematis grata	B			70L	GA-3 USEFUL	bypass: L	
Clematis hirsutissima	B			40-70			
Clematis integrifolia	B			70			
Clematis ladakhiana	B			70D			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Clematis lanuginosa</i>	B		70-40-70-40-70	nt: try			
<i>Clematis maculata</i>	B		70-40				
<i>Clematis occidentalis</i>	B		70-40				
<i>Clematis orientalis</i>		1	70L	:			
<i>Clematis pitcheri</i>	B		70-40				
<i>Clematis recta</i>		1	70D	:			
<i>Clematis recta</i>	B		70-40	GA-3 inhibitory			
<i>Clematis rehderiana</i>	B		70-40				
<i>Clematis sp.</i>	B			70			
<i>Clematis vernayi</i>	B			70			
<i>Clematis verticillata</i>	B		70L				
<i>Clematis viorna</i>	B		70D				
<i>Clematis virginiana</i>		1	70L	:			
<i>Clematis virginiana</i>	B		70L	GA-3 USEFUL	bypass: L		
<i>Cleome hassleriana</i>		1		70 GA-3 FATAL			
<i>Cleome serrulata</i>	B		70L				
<i>Clethra alnifolia</i>	B		40-70L				
<i>Clethra fargesii</i>		1	70L	:			
<i>Clethra fargesii</i>	B		40-70L	GA-3 FATAL			
<i>Clianthus formosa</i>		1	puncture, 70				
<i>Clianthus formosus</i>			2 puncture, 70D	:			
<i>Clianthus puniceus</i>			2 puncture, 70D	:			
<i>Clianthus puniceus alba</i>	B		puncture, 70	:			
<i>Clintonia andrewsiana</i>	B		40-70	GA-3 little effect			
<i>Clintonia borealis</i>	B		OT				
<i>Clintonia umbellata</i>	B		40-70-40-70				
<i>Clitoria ternatea</i>			2 puncture, 70D	:			
<i>Clitoria ternatea</i>		1	puncture, 70	:			
<i>Clivia miniata</i>			2 70D	:			
<i>Cneorum tricoccon</i>		1	70 GA-3	GA-3 USEFUL	%		
<i>Cnicus benedictus</i>		1	D-70	:			
<i>Cobaea scandens</i>			2	70 :			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Cobaea scandens		1	70D	:			
Coccoloba uvifera			2 no germ				
Cocculus carolinus		1	70D				
Cochlearia alpina	B			70			
Cochlearia officinalis			2 DS 2 y = dead				
Cochlearia officinalis		1	70L	:			
Codonopsis clematidea	B			70			
Codonopsis ovata			2 DS 3 y = dead				
Codonopsis ovata	B			70			
Codonopsis pilosula		1	D-70	:			
Codonopsis viridis	B			70			
Coffea arabica			2 no germ				
Colchicum autumnale	B		70-40				
Colchicum luteum		1	comment (thru extended cycling)				
Colchicum luteum	B		70-40				
Coleocephalocereus goebelianus		1c		70 GA-3			
Coleus frederici			2 70L	:			
Coleus plumosa			2	70 :			
Collinsia bicolor			2 70D	GA-3 no effect			
Collinsia bicolor		1		70 GA-3 no effect			
Collinsonia canadensis	B		OT				
Collomia cavanillesii			2	40 :			
Collomia debilis	B		70 GA-3	GA-3 ESSENTIAL			
Collomia grandiflora		1		40 GA-3 FATAL			
Collomia grandiflora	B			40			
Collomia involucrata			2	no germ after DS 5 y			
Collomia sp.	B		70D GA-3	GA-3 ESSENTIAL	! Etiolation		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Colutea arborescens</i>			2	puncture, 70D	:		
<i>Colutea arborescens</i>	B			puncture, 70			
<i>Colutea</i> hyb. <i>media</i>			2	puncture, 70D	:		
<i>Coluteocarpus vesicaria</i>		1		70D	:		
<i>Commelina dianthifolia</i>			2	70D	:		
<i>Commelina dianthifolia</i>	B				70		
<i>Conanthera bifolia</i>	B				40		
<i>Conimitella williamsii</i>		1		70D			
<i>Conospermum taxifolium</i>			2	rotted			
<i>Convallaria majalis</i>	B			WC, D-70D			
<i>Convolvus compactus</i>	B				70		
<i>Convolvus lineatus</i> ssp. <i>angustifolius</i>	B			40-70			
<i>Convolvus</i> sp.	B				40		
<i>Convolvus tricolor</i>			2	70D	:		
<i>Convolvus tricolor</i>		1			70	:	
<i>Copiapoa barquitensis</i>		1c		70 GA-3			
<i>Copiapoa bridgesii</i>			2c	70 GA-3			
<i>Copiapoa humilis</i>		1c		no germ			
<i>Copiapoa hypogaea</i>		1c		no germ			
<i>Copiapoa magnifica</i>		1c			70		
<i>Copiapoa tenuissima</i>		1c		no germ			
<i>Coprosma acerosa</i>			2	70D-40-70D	GA-3 no effect		
<i>Coprosma atropurpurea</i>			2	70D-40-70D	GA-3 no effect		
<i>Coprosma petriell</i>			2	70D-40-70D	GA-3 no effect		
<i>Coprosma rhamnoides</i>			2	70D-40-70D	GA-3 no effect		
<i>Cordyline indivisa</i>		1		empty			
<i>Cordyline pumilio</i>			2	70L			
<i>Coreopsis lanceolata</i>	B			D-70			
<i>Coriandrum sativum</i>	B				70		
<i>Coriaria terminalis</i>	B			70L			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Coriaria terminalis xanthocarpa		1		70L	:			
Cornus alternifolia	B			WC, OT				
Cornus amomum		1		OT				
Cornus amomum	B			WC, OT				
Cornus canadensis			2	70 GA-3	GA-3 ESSENTIAL			
Cornus canadensis		1		70 GA-3	GA-3 ESSENTIAL			
Cornus florida			2	(40-70D)				
Cornus florida	B			WC, 40-70				
Cornus kousa	B			WC, 40				
Cornus mas			2	70 GA-3 - 40 (or, OT minor germ)	GA-3 effect	germ, but seedlings rot		
Cornus nuttallii	B			WC, OT				
Cornus racemosa	B			WC, OT				
Cornus siberica	B			WC, OT				
Cornus stolonifera	B			WC, 70-40-70				
Cornus suecica	B			WC, OT				
Corokia cotoneaster			2	no germ				
Coronilla varia	B			extract, 70				
Correa aquae-gelidae			2	rotted	GA-3 no effect			
Correa cordifolia			2	no germ				
Corryocactus tarijensis		1c		no germ				
Corryocactus urmirensis		1c		70 GA-3				
Cortusa matthioli	B			70				
Cortusa turkestanica	B			70				
Corydalis caseana ssp. brandegei		1		70 GA-3	GA-3 ESSENTIAL			
Corydalis cheilanthifolia	B			70-40				
Corydalis lutea	B			70-40				
Corydalis nobile		1		OT	nt: try?			
Corydalis nobile	B			OT	GA-3 FATAL			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Corydalis sempervirens</i>			2	DS 6 m 70D				
<i>Corylopsis pauciflora</i>	B			DS 6 m, OT				
<i>Corylopsis spicata</i>	B			DS 6 m, extract, OT	GA-3 effect	! Etiolation		
<i>Corylus avellana</i>			2	70D				
<i>Corylus avellana</i>		1		comment				
<i>Corylus avellana</i>	B			extract, 40-70				
<i>Corylus cornuta</i>	B			70-40-70				
<i>Coryphantha echinoides</i>		1c		70				
<i>Coryphantha palmeri</i>		1c		70				
<i>Coryphantha vivipara</i>		1c		70 GA-3				
<i>Coryphantha vivipara</i>	B			70				
<i>Cosmos bipinnatus</i>			2	70D	:			
<i>Costus guanaiensis</i>			2	70				
<i>Costus guanaiensis</i>		1		70L	GA-3 no effect			
<i>Cotinus coggyria</i>		1		70D-40-70D				
<i>Cotoneaster acutifolia</i>	B			comment				
<i>Cotoneaster apiculata</i>	B			comment				
<i>Cotoneaster dammeri</i>	B			40-70-40-70				
<i>Cotoneaster depressa</i>	B			70-40-70				
<i>Cotoneaster divaricata</i>		1		40-70-40-70-40-70-40-70				
<i>Cotoneaster divaricata</i>	B			WC, 40-70-40-70-40-70				
<i>Cotoneaster horizontalis</i>	B			70-40-70				
<i>Cotoneaster integerrimus</i>			2	no germ				
<i>Cotoneaster microphyllus</i>			2	DS 3 y 40-70D				
<i>Cotoneaster microphyllus v. cochleatus</i>		1		70 GA-3	GA-3 USEFUL	%; and bypass cycling		



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Cotoneaster microphyllus v. cochleatus	B			70D GA-3	GA-3 ESSENTIAL			
Cotoneaster zagelii			2	no germ				
Cotyledon orbiculata		1			70 GA-3 no effect			
Cowania mexicana		1			40			
Crambe cordifolia			2	40-70D				
Crambe cordifolia		1		70L				
Crambe maritima		1		70L				
Craspedia incana	B			70D	GA-3 little effect			
Crataegus coccinea	B			40-70				
Crataegus cordata	B			40-70				
Crataegus crus-galli	B			70-40-70				
Crataegus flava	B			70-40-70				
Crataegus mollis	B			40-70				
Crataegus monogyna		1		WC 7 d, 70-40-70				
Crataegus monogyna	B			70-40-70				
Crataegus oxycantha	B			70-40-70				
Crataegus phaenopyrum	B			WC, 70-40-70				
Crataegus punctata	B			70-40-70				
Crataegus rotundifolia	B			70-40-70				
Cremanthodium arnicoides	B				70			
Cremanthodium ellisii	B			70L				
Crepis sibiricus		1		70D-40-70D				
Crinodendron hookerianum		1		dead				
Criscoma coma-aurea		1		chaff				
Crocoshmia aurea	B			70L				
Crocoshmia aurea		1		70L				
Crocus speciosus	B			70-40				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Crocus tomasinianus</i>	B		WC, 70-40-40				
<i>Croton alabamensis</i>			2 no germ				
<i>Crowea angustifolia</i>	B		comment				
<i>Crowea angustifolia v. dentata</i>		1	comment				
<i>Cruckshanksia glacialis</i>	B		70-40				
<i>Cruckshanksia hymenodon</i>	B		70 4 w, 40				
<i>Cryptantha paradoxa</i>		1	70D	:			
<i>Cryptantha paradoxa</i>			2 70D	:			
<i>Cryptantha thompsonii</i>	B		70D				
<i>Cryptotaenia japonica atropurpurea</i>			70D-40-70D-40- 2 70D				
<i>Cucumis melo</i>			2 70	:			
<i>Cucumis melo</i>		1	70D	"			
<i>Cucumis melo</i>	B		70	GA-3 no effect			
<i>Cucurbita maxima</i>			2 comment, 70	:			
<i>Cucurbita maxima</i>		1	70L	GA-3 little effect			
<i>Cucurbita maxima</i>	B		70	GA-3 effect	bypass: L		
<i>Cucurbita melo</i>			2 70D	:			
<i>Cucurbita mixta</i>		1	70	:			
<i>Cucurbita pepo</i>			2 70	:			
<i>Cucurbita pepo</i>		1	70L	:			
<i>Cucurbita pepo</i>	B		70				
<i>Cucurbita sativus</i>		1	70L	:			
<i>Cucurbita sativus</i>	B		70	GA-3 no effect			
<i>Cumarinia odorata</i>		1c	70 GA-3				
<i>Cuminum cyminum</i>		1	70	:			
<i>Cunninghamia lanceolata</i>	B		70D				
<i>Cuphea ignea</i>			2 55-85	:			
<i>Cuphea llavea</i>			2 40-70D-40-70D	:			
<i>Cuphea petiolata</i>	B		OT				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Cupressus lusitanica		1	40-70				
Cupressus macrocarpa	B		40-70				
Cuscuta sp.		1	70D	GA-3 v inhibitory			
Cyananthus lobatus	B		70				
Cyananthus sp.	B		70L				
Cyathodes empetrifolia			70-40-70-40-70- 2 40-70-40	nt: must try			
Cyathodes empetrifolia		1	70-40-70-40-70- 40-70-40-70	nt: must try			
Cyathodes robusta			2 no germ				
Cyclamen neapolitanum	B		70-40-70-40				
Cyclamen persicum	B		70				
Cymbalaria muralis			2 70L	:			
Cymbalaria muralis		1	70L				
Cymopterus aboriginism			2 70D-40				
Cymopterus aboriginism		1	40				
Cymopterus sp.	B		40				
Cymopterus terebinthinus	B		40-70-40-70				
Cynanchum acutum			2 70D (actually 70L)				
Cynanchum acutum		1	70D	:			
Cynoglossum amabile			2 50-85	:			
Cynoglossum amabile	B		70L				
Cynoglossum grande		1	40	GA-3 FATAL			
Cypella amosa		1	70L	:			
Cypella coelestis		1	70D-40-70D				
Cyperus alternifolium			2 70L	:			
Cyperus papyrus			2 70L	:			
Cyperus papyrus		1	70L	GA-3 v inhibitory?			
Cyphomandia betacea		1	WC, 70				
Cypripedium acaule	Bo		comment				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Cypripedium andrewsii	Bo			comment			
Cypripedium calceolus	Bo			comment			
Cypripedium candidum	Bo			comment			
Cypripedium reginae	Bo			comment			
Cyrtanthus parviflorus			2	no germ			
Cythomandra betacea			2	comment	GA-3 effect	bypass: L	
Cythomandra betacea		1		WC, 70L	:		
Cytisus scoparius	B			puncture, 70			
Daboecia cantabrica		1		70L	GA-3 v inhibitory		
Dahlia (dwarf hybrids)			2	50-85	:		
Dalea sp.	B			70			
Daphne caucasicum	B			40-70-40-70	GA-3 FATAL		
Daphne cneorum	B			comment			
Daphne genkwa	B			40			
Daphne giraldi	B			40-70	GA-3 effect	bypass: cold	
Daphne mezereum		1		40-70-40-70	GA-3 USEFUL	%;dev; and bypass cold	
Daphne mezereum alba		1		40-70	GA-3 USEFUL	dev; and bypass cold	
Daphne oleoides	B			no germ			
Darlingtonia californica			2	70D-40-70D	:		
Darwinia citriodora			2	rotted			
Datura innoxia		1		D-70			
Datura metaloides			2	70D	:		
Datura metaloides		1		70	:		
Datura sanguinea		1		70L	:		
Datura sp.		1		70L-40-70L	:		
Datura stramonium	B			D-70L			
Datura suaveolens		1		extract, 70L	:		
Datura tatula		1		D-70	:		
Daubinya aurea		1		70D-40	GA-3 no effect		
Daucus carota			2	70D	:		

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Daucus carota	B			D-70L				
Daucus carota v. sativus	B			70D	GA-3 FATAL	at 40		
Davidia involucreta			2	comment				
Davidia involucreta		1		WC 7 d, 40-70-40-70-40-70-40-70	GA-3 no effect			
Decaisnea fargesii			2	no germ				
Decaisnea fargesii	B			70-40-70-OT				
Degenia velebitica	B			70				
Deinante bifida	B			70L				
Delonix regia			2	puncture, 70D	:			
Delonix regia		1		puncture, 70	:			
Delosperma cooperi	B			70				
Delphinium belladonna	B			70	GA-3 no effect			
Delphinium bicolor	B			D-40, 40				
Delphinium cashmerianum	B			70				
Delphinium consolida		1		70D-40	GA-3 no effect			
Delphinium elatum	B			70				
Delphinium exaltatum	B			OT				
Delphinium geraniifolium	B			70D				
Delphinium geyeri	B			OT				
Delphinium glaucum	B			70-40				
Delphinium grandiflorum			2	70D	:			
Delphinium grandiflorum	B			70				
Delphinium lipskyi	B			OT				
Delphinium oreophilum	B			70				
Delphinium oxysepalum	B			70-40-70-40				
Delphinium tatsiense	B			70				
Delphinium tenuisectum	B			70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Delphinium tricorne		1		70-40-70-40-70-40-70-40-70-40				
Delphinium tricorne	B			70-40-70-40-70	GA-3 effect	but unhealthy		
Delphinium virescens	B			OT				
Delphinium xantholeucum	B						40	
Dendranthema arctica			2	no germ				
Dendrocalamus asper			2	70L (40 deleterious)	GA-3 deleterious			
Dendrocalamus membranaceus			2	70L	:			
Dendrocalamus strictus			2	70L	:			
Dendromecon rigida		1		70 GA-3	GA-3 ESSENTIAL			
Denmoza rhodacantha		1c		70 GA-3				
Dentaria hexaphylla	B			rotted				
Dentaria laciniata		1		70 GA-3 40	GA-3 USEFUL	%		
Dentaria laciniata	B			40 GA-3 70	GA-3 USEFUL			
Dentaria pentaphylla	B			rotted				
Desfontainea spinosa	B			no germ	nt: try?			
Desmanthus illinoensis		1		70 GA-3	GA-3 ESSENTIAL ?			
Desmodium canadense			2	puncture, 70D				
Desmodium canadense		1		puncture, 70				
Deutzia staminea		1		comment				
Deutzia staminea	B						70	
Dianella intermedia			2	70L	GA-3 no effect			
Dianella intermedia		1		70L-40-70L	GA-3 inhibitory			
Dianthus alpinus	B						70	
Dianthus armeria		1		comment	:			
Dianthus armeria	B			70L	:			
Dianthus barbatus			2	70D	:			
Dianthus barbatus		1		70D	:			
Dianthus broteri	B						70	:

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Dianthus carthusianorum</i>			2 70D	:			
<i>Dianthus caryophyllus</i>			2 55-70	:			
<i>Dianthus chinensis</i>			2 50-85	:			
<i>Dianthus crinitus</i>	B			70 :			
<i>Dianthus darwasica</i>	B			70 :			
<i>Dianthus erinaceus</i>	B			70 :			
<i>Dianthus fragrans</i>	B			70 :			
<i>Dianthus frigidus</i>	B			70 :			
<i>Dianthus glacialis</i>	B			70 :			
<i>Dianthus gratianopolitanus</i>			2 70D	:			
<i>Dianthus haematocalyx</i>	B			70 :			
<i>Dianthus knappii</i>			2	70 :			
<i>Dianthus leptopetalus</i>	B			70 :			
<i>Dianthus myrtinervis</i>	B			70 :			
<i>Dianthus neglectus</i>	B			70 :			
<i>Dianthus pancici</i>	B			70 :			
<i>Dianthus repens</i>	B			70 :			
<i>Dianthus sequieri</i>	B			70 :			
<i>Dianthus spiculifolius</i>			2 70D	:			
<i>Dianthus superbus alba</i>		1	70L	:			
<i>Diascia barberae</i>			2	70 :			
<i>Diascia barberae</i>		1		70 :			
<i>Dicentra citrina</i>	B		40-70				
<i>Dicentra cucullaria</i>	B		40-70-40-70				
<i>Dicentra eximia</i>	B		40-70-40-70				
<i>Dicentra scandens</i>	B		40-70				
<i>Dicentra spectabilis</i>	B		70-40-70				
<i>Dicentra uniflora</i>		1	70D				
<i>Dichelostemma capitatum</i>		1		40 GA-3 no effect			
<i>Dichelostemma ida-maia</i>			2	40 :			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Dichelostemma ida-maia		1	40	GA-3 no effect			
Dichelostemma multiflorum		1	40	GA-3 no effect			
Dichelostemma multiflorum		2	40 :				
Dicranostigma franchetianum		1	70D	GA-3 no effect			
Dictamnus alba	B		40-70-40-70-40-70				
Dictyolimon macrorrhabdos	B		70L				
Dierama pulcherrima	B		70D				
Dietes grandiflora		1	70L				
Dietes grandiflora		2	70L	:			
Dietes indioides		2	70L	:			
Digitalis grandiflora		2	70D	:			
Digitalis lutea		2	70D	:			
Digitalis purpurea		2	70	:			
Digitalis purpurea	B		70				
Digitalis viridiflora		2	70D	:			
Dimorphotheca aurantiaca	B		70				
Dimorphotheca aurantiaca		2	70 :				
Dionea muscipula	B		70L	GA-3 effect	bypass: L		
Dionysia involucrata	B		40				
Dioscorea battatus		2	70D	:			
Dioscorea quaternata	B		70-40-70				
Dioscorea villosa	B		40-70				
Diospyros rhomboidalis		2	70 (Note seedling requirements)				



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Diospyros texana			2 70D				
Diospyros texana		1		70 GA-3 no effect			
Diospyros virginiana		1	70 GA-3	GA-3 USEFUL	%; and bypass cold		
Diospyros virginiana			2 40-70D (or, 70 GA-3)	GA-3 ESSENTIAL	almost		
Diospyros virginiana	B		WC 7 d, 40-70				
Dipcadi fulvum			2 70D	:			
Dipcadi fulvum		1		70 :			
Dipcadi serotinum		1		70 :			
Dipcadi serotinum			2 70D	:			
Dipcadi viride			2 70D				
Diphylleia cymosa		1	dead				
Diplacus bifidus	B		70L				
Diplarrhena latifolia			2 70L	:			
Diplarrhena moraea			2 70L	:			
Dipsacus fullonum			2 70L	:			
Dipsacus fullonum		1	70 GA-3	GA-3 ESSENTIAL	almost		
Dipsacus pilosus			2 DS 5 y = dead				
Dipsacus strigosus			2 70D-40-70D-40 (or DS1y 70D-40)				
Dipsacus strigosus		1	40-70-40-70-40-70				
Dipsacus sylvestris	B		70L				
Dirca palustris			2 WC, 32				
Dirca palustris		1	WC, extract, 70L	GA-3 FATAL ?			
Discaria toumatou			2 40-70D				
Disocactus alteolens		1c	70 GA-3				
Disocactus boomianus		1c	70 GA-3				
Disocactus crystallophilus		1c	70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Disocactus pugionacanthus		1c		70 GA-3			
Disporum hookerianum v. trachyandrum	B			WC, 40			
Disporum lanuginosum	B			WC, 40	GA-3 no effect		
Dodecatheon alpinum	B			70L	GA-3 effect	bypass: L	
Dodecatheon amethystinum	B			70D GA-3 40-70	GA-3 USEFUL		
Dodecatheon jeffreyi	B			40-70			
Dodecatheon media	B			40	GA-3 no effect		
Dodecatheon pulchellum	B			70 (D?)			
Dodecatheon pulchellum				2 70D	GA-3 effect	some samples essential?	
Dodonea viscosa				2 70D			
Doligloglottis schorzeneroides				2 chaff			
Doronicum caucasicum	B			70			
Doronicum columnae	B			70			
Doronicum orientale	B			70			
Dorotheanthus bellidiformis		1		70 :			
Dorotheanthus bellidiformis				2 70D GA-3	GA-3 ESSENTIAL		
Dorotheanthus rourkei				2 70D GA-3	GA-3 ESSENTIAL		
Dorycnium rectum	B			70			
Douglasia laeviagata	B			OT			
Douglasia nivalis	B			OT (germ cold)			
Draba acaulis	B			40-70			
Draba aizoon	B			DS 12 m, 70			
Draba argyrea	B			OT 2 m, 70			
Draba brunifolia	B			70			
Draba compacta	B			D-70			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Draba cretica</i>	B			70D				
<i>Draba dedeana</i>	B			40				
<i>Draba densifolia</i>	B			D-70				
<i>Draba hoppeana</i>	B			70				
<i>Draba incerta</i>	B			40				
<i>Draba lasiocarpa</i>	B			D-70				
<i>Draba lemmonii</i>	B			OT 2 m, 70				
<i>Draba parnassica</i>	B			D-70				
<i>Draba polytricha</i>	B			OT				
<i>Draba sartori</i>	B			D-70				
<i>Draba ventosa</i>			2	70L	GA-3 FATAL			
<i>Dracocephalum renati</i>	B			70L				
<i>Dracocephalum tanguticum</i>		1		70 GA-3 40-70-40-70	GA-3 minor effect			
<i>Dracophyllum uniflorum</i>			2	no germ				
<i>Dracunculus canariensis</i>			2	70 :				
<i>Dracunculus canariensis</i>		1		70D	:			
<i>Dracunculus vulgaris</i>			2	70D-40	:			
<i>Draperia systyla</i>		1		70 GA-3 40	GA-3 ESSENTIAL			
<i>Drosera aliciae</i>		1		70	GA-3 detrimental			
<i>Drosera angelica</i>		1		40-70L	GA-3 detrimental			
<i>Drosera binata</i>		1		70L	GA-3 detrimental			
<i>Drosera binata v. multifida</i>		1		70L	GA-3 detrimental			
<i>Drosera burkeana</i>		1		70L	GA-3 detrimental			
<i>Drosera capensis</i>			2	70L	:			
<i>Drosera capensis</i>		1		70L	GA-3 detrimental			
<i>Drosera spathulata</i>		1		70L	GA-3 detrimental			
<i>Dryandra formosa</i>	B			40				
<i>Dryandra serra</i>		1		40-70				
<i>Dryandra serra</i>	B			40-70D	GA-3 little effect			
<i>Dryas octapetala</i>		1		70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Dryas octapetala</i>	B			70				
<i>Dryas sundermannii</i>	B			70				
<i>Drymophila cyanocarpa</i>			2	70D-40				
<i>Duchesnea indica</i>		1		70L	GA-3 detrimental ?			
<i>Dudleya brittonii</i>		1		70	:			
<i>Dudleya cymosa</i>	B			70				
<i>Dudleya pachyphytum</i>		1		70				
<i>Dyosma versipelle</i>			2	70 GA-3	GA-3 USEFUL	bypass: cold		
<i>Ecchremocarpus scaber</i>		1		70L	GA-3 detrimental ?			
<i>Echinacea angustifolia</i>		1		D-70	:			
<i>Echinacea purpurea</i>		1		D-70	:			
<i>Echinocactus horizonthalonius</i>		1c		70 GA-3				
<i>Echinocactus ingens</i>		1c		70 GA-3				
<i>Echinocactus platyacanthus</i>		1c		70 GA-3				
<i>Echinocactus texensis</i>		1c		70 GA-3				
<i>Echinocereus baileyi</i>	B			70 GA-3				
<i>Echinocereus engelmanni</i>		1c		70 GA-3				
<i>Echinocereus engelmanni v. chrysocentrus</i>		1c		70 GA-3				
<i>Echinocereus fendleri</i>		1c		70 GA-3				
<i>Echinocereus ferreiranus</i>		1c		70				
<i>Echinocereus pectinatus</i>			2c	OS 50-70 GA-3				
<i>Echinocereus pectinatus</i>		1c		70 GA-3				
<i>Echinocereus pectinatus</i>	B			70 GA-3	GA-3 ESSENTIAL			
<i>Echinocereus pectinatus (hybrids)</i>		1c		70 GA-3				
<i>Echinocereus pectinatus v. wenigeri</i>			2c	OS 50-70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Echinocereus pectinatus v. wenigeri	1c		70 GA-3				
Echinocereus reichenbachii		2c	OS 32-75 GA-3				
Echinocereus reichenbachii	1c		70 GA-3				
Echinocereus reichenbachii	B		70 GA-3				
Echinocereus reichenbachii v. albispinus	1c		70 GA-3				
Echinocereus reichenbachii v. baileyi	1c		70 GA-3				
Echinocereus reichenbachii v. caespitosus	1c		70 GA-3				
Echinocereus reichenbachii v. perbellus	1c		70 GA-3				
Echinocereus reichenbachii v. perbellus		2c	OS 32-75 GA-3				
Echinocereus spinigemmatum	1c		no germ				
Echinocereus triglochidiatus	1c		70 GA-3				
Echinocereus triglochidiatus	B		70				
Echinocereus triglochidiatus v. mojavenis	1c		70 GA-3				
Echinocereus viridiflorus	1c		70 GA-3				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Echinocereus viridiflorus	B			comment				
Echinocereus x roetteri			2c	OS 32-75 GA-4				
Echinocereus x roetteri		1c		no germ				
Echinocystis lobata	B			OT				
Echinofossulocactus dichroacanthus		1c		70 GA-3				
Echinofossulocactus erectocentrus		1c		70 GA-3				
Echinofossulocactus heteracanthus		1c		70 GA-3				
Echinofossulocactus zacatecasensis		1c		70 GA-3				
Echinomastus dasyacanthus		1c		70 GA-3				
Echinomastus laui		1c		70 GA-3				
Echinops sphaerocephalum			1	70D	:			
Echinopsis ancistrophora hamatacantha		1c		70 GA-3				
Echinopsis mirabilis		1c		70 GA-3				
Echinopsis rhodotricha		1c		70 GA-3				
Echinopsis tapecuna tropica		1c		70 GA-3				
Echioides longiflorum	B			70				
Edraianthus dalmaticus	B			70D GA-3	GA-3 USEFUL	% germ; bypass: L		
Edraianthus graminifolius	B			70				
Edraianthus pumilio			2	70L	:			
Edraianthus pumilio	B			70L	GA-3 FATAL?			
Edraianthus tenuifolius	B			70				
Ehretia anacua		1		70D	:			
Elaeagnus angustifolia		1		WC 7 d, 70D	GA-3 inhibitory			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Eleagnus angustifolia	B		40-70				
Eleagnus umbellata	B		WC 14 d, 70-40-70-40-70				
Eleagnus angustifolia			2 70D	: GA-3 no effect			
Eleocharis sphacelata			2 70L	GA-3 inhibitory			
Eleusine coracana	Bg		D-70				
Elmera racemosa	B		70L	GA-3 USEFUL	induce old seed		
Elmera racemosa		1	70L	GA-3 no effect			
Embothrium coccineum			2 70L				
Embothrium coccineum		1	empty				
Eminium regelii	B		70-40-70-40				
Empetrum nigrum		1	70 GA-3	GA-3 USEFUL	% ; bypass: cold		
Enceliopsis nudicaule	B		40				
Engelmannia pinnatifida		1	70	:			
Enkianthus campanulatus	B		OT				
Ennealophus euryandus			2 no germ				
Ephedra fedtschenkoi	B		70				
Ephedra intermedia	B		70				
Ephedra minima			2 70D	:			
Ephedra minuta	B		70	:			
Epigea repens	B		70L	:			
Epilobium anagallidifolium		1	70D				
Epilobium angustifolium			2 50-70 OS	:			
Epilobium angustifolium		1	70L				
Epilobium latifolium		1	70D				
Epilobium palustris		1	70D				
Epilobium rigidum			2 rotted				
Epilobium tasmanicum	B		70	GA-3 FATAL	at 70		
Epimedum colchicum	B		40				
Epimedum pinnatum	B		40-70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Epithelantha micromeris		1c		70 GA-3			
Epostoa mirabilis		1c		70 GA-3			
Epostoa nana		1c		70 GA-3			
Eranthis hyemalis			1	comment			
Eranthis hyemalis	B			70-40	GA-3 USEFUL	bypass: 70	
Erdisia quadrangularis		1c		70 GA-3			
Eremophila			1	comment			
Eremophila aricantha				2 extract, 70D			
Eremophila cuneifolia				2 extract, 70D			
Eremophila eriocalyx				2 extract, 70D			
Eremophila laanii				2 extract, 70D			
Eremophila longifolia				2 extract, 70D			
Eremophila macdonaldii				2 extract, 70D			
Eremophila maculata				2 extract, 70D			
Eremostachys speciosa	B			70-40-70			
Eremurus altaica	B			70-40			
Eremurus robustus				2 comment			
Eremurus robustus			1	40-70-40-70-40	GA-3 no effect		
Eremurus robustus	B			70-40-70-40			
Eremurus stenocalyx	B			40-70-40			
Eriastrum densifolium v. austromontanum			1	70 GA-3	GA-3 USEFUL	%	
Erigenia bulbosa	B			70-40-70			
Erigeron alpinus	B			D-70			
Erigeron aurantiacus	B			D-70			
Erigeron compositus	B				70		
Erigeron eatoni	B			D-70			
Erigeron elegantulus	B				70		
Erigeron flabellifolius				2 70D			
Erigeron flagellaris	B			D-70			
Erigeron flettii				2 70D	:		
Erigeron flettii			1	70D	:		



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Erigeron flettii	B			70D				
Erigeron fremonti	B			D-70				
Erigeron glabellus	B			D-70				
Erigeron leimoerus	B			70-40-70				
Erigeron nanus	B			D-70				
Erigeron pinnatisectus	B			D-70				
Erigeron sp.	B				70			
Erigeron speciosus	B			D-70				
Erigeron subtrinervis	B			D-70				
Erigeron trifidus	B			D-70				
Erigeron uniflorus	B			D-70				
Erigeron villarsii	B			D-70				
Erinus alpinus			2	70D	:			
Erinus alpinus		1		70D				
Erinus alpinus alba			2	70D				
Eriocereus jusbertii		1c		70 GA-3				
Eriogonum allenii		1		40-70D	GA-3 injurious			
Eriogonum allenii	B			OT	GA-3 FATAL			
Eriogonum bicolor			2		40 GA-3 likely bad			
Eriogonum bicolor		1		40-70D	GA-3 likely bad			
Eriogonum brevicaule ssp. oredense	B			40-70	GA-3 likely bad			
Eriogonum caespitosum	B				40 GA-3 likely bad			
Eriogonum compositum	B				70 GA-3 likely bad			
Eriogonum douglasii	B				70 GA-3 likely bad			
Eriogonum ericifolium v. pulchrum	B				40 GA-3 FATAL			
Eriogonum flavum	B				70 GA-3 likely bad			
Eriogonum flavum v. xanthum	B				40 GA-3 likely bad			
Eriogonum morifolium	B			40-70	GA-3 likely bad			
Eriogonum niveum	B			40-70	GA-3 likely bad			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Eriogonum ovalifolium v. depressum	B			40-70	GA-3 likely bad			
Eriogonum shockleyi	B			70	GA-3 likely bad			
Eriogonum sphaerocephalum	B			40-70	GA-3 likely bad			
Eriogonum strictum ssp. proliferum	B			40-70	GA-3 likely bad			
Eriogonum thymoides	B			OT	GA-3 likely bad			
Eriogonum tumulosum	B			70	GA-3 likely bad			
Eriogonum umbellatum	B			70-40	GA-3 likely bad			
Eriophorum angustifolium		1		70L	GA-3 no effect			
Eriophorum scheuzeri		1		70L	GA-3 no effect			
Eriophyllum lanatum	B			40				
Eriostemon myoporoides			2	rotted				
Eriosyce ceratistes			2c	OS 32-80				
Eriosyce ihotzkyana		1c		70 GA-3				
Eriosyce ihotzkyana			2c	comment				
Eriosyce sandillon			2c	OS 32-80				
Eritrichum howardi	B			70				
Eritrichum rupestre v. pectinatum		1		70D	:			
Ermannia papyroides			2	70D ( better 70L?)				
Eryngium agavifolium			2	DS 3 y = dead				
Eryngium alpinum	B			70				
Eryngium planum			2	DS 6 y = dead				
Eryngium yuccifolium	B			40				
Erysimum kotschyianum	B			70				
Erysimum nivale	B			70				
Erysimum perofskianum	B			70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Erythrina crista-galli		1	sterile puncture, 70				
Erythronium americanum	B		40-70-40-70				
Erythronium citrinum	B		70-40-70				
Erythronium grandiflorum		1	70D-40-70D-40 (or 70-40GA-3)	GA-3 USEFUL	Shorten cycling		
Erythronium grandiflorum	B		70L-40-70L				
Erythronium hendersoni	B		70-40-70				
Erythronium hendersonii x citrinum		1		40			
Erythronium mesochorum	B		40-70-40				
Erythronium revolutum	B		70-40+-70				
Erythronium sibiricum	B		70-40				
Eschscholzia californica			2 70D	:			
Eschscholzia californica		1	D-70				
Escobaria minima		1c	70 GA-3				
Escobaria vivipara		1c	70 GA-3				
Escontria chiotilla		1c	70 GA-3				
Eucalyptus doratoxlyn	B			70 GA-3 no effect			
Eucalyptus leucoxlyn		1	70D	:			
Eucalyptus leucoxlyn	B			70			
Euceliopsis covellei			2 70D	:			
Euceliopsis covellei		1	70D				
Eucomis bicolor			2 70D	:			
Eucomis bicolor		1	70D				
Eucomis pole-evansii			2 70D	:			
Eucomis zambesiaca			2 70D	:			
Eucryphia glutinosa			2 DS 3 y = dead				
Eulychnia acida		1c	70 GA-3				
Eulychnia castanea		1c	70 GA-3				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Eunomia oppositifolia</i>	B			70				
<i>Euonymus alatus</i>		1		WC 7 d, OT	GA-3 v minor effect	reduces long cycling		
<i>Euonymus alatus</i>	B			WC 4 w, OT				
<i>Euonymus atropurpurea</i>	B			WC 7 d, 70-40-70-40-70-40-70				
<i>Euonymus bungeana</i>	B			WC 7 d, 40				
<i>Euonymus europaeus</i>		1		WC 7 d, OT	GA-3 v minor effect	reduces long cycling		
<i>Euonymus europaeus</i>	B			WC 4 w, OT				
<i>Euonymus phellomanus</i>			2	70D-40-70D	GA-3 no effect			
<i>Euonymus radicans</i>	B			WC 7 d, DS 6 m, 70				
<i>Eupatorium coelestinum</i>	B			70				
<i>Eupatorium perfoliatum</i>		1		70L	GA-3 effect	bypass: L		
<i>Eupatorium purpureum</i>	B			40-70				
<i>Eupatorium urticaefolium</i>	B			70				
<i>Euphorbia aristata</i>	B			OT				
<i>Euphorbia francheti</i>	B			40-70				
<i>Euphorbia myrsinites</i>			2	DS 1 y 70D	GA-3 effect	germ of fresher seed		
<i>Euphorbia myrsinites</i>		1		70 GA-3	GA-3 USEFUL	%; and bypass: cold		
<i>Euphorbia polychroma</i>	B			soak, extract, 70				
<i>Euphorbia pulcherrima</i>			2	50-85				
<i>Euphorbia wulfenii</i>			2	70D-40-70D	GA-3 no effect			
<i>Euphorbia wulfenii</i>		1		70-40-70	GA-3 no effect			
<i>Eustoma</i>	B			see <i>Lisianthus</i>				
<i>Evodia daniellii</i>	B			40-70 GA-3	GA-3 ESSENTIAL?	lower conc OK		
<i>Exacum affine</i>			2	60L-80L				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Exocarpos sparteus			2	70 GA-3 - 40	GA-3 ESSENTIAL		
Exochorda grandiflora	B			40			
Fallugia paradoxa		1		70 :			
Fatsia sp.		1		dead			
Fedia cornucopiae			2	70D			
Fedia cornucopiae		1		empty			
Feijoa sellowiana		1		WC 7 d, 70L	GA-3 no effect		
Ferocactus acanthoides			2c	70 GA-3			
Ferocactus acanthoides		1c		70 GA-3			
Ferocactus acanthoides	B			70 GA-3	GA-3 ESSENTIAL		
Ferocactus gracilis		1c		70			
Ferocactus wislizenii		1c		70 GA-3			
Ferocactus wislizenii	B			70 GA-3	GA-3 ESSENTIAL		
Ferraria crispa			2	70D (Light inhibitory)			
Ferula sp.	B			40-70			
Festuca glauca	Bg			D-70			
Festuca mairei	Bg			D-70			
Festuca novae-zealandiae	Bg			D-70			
Festuca ovina	Bg			D-70			
Fibigia clypeata	B			70			
Ficus carica		1		70L	GA-3 little effect		
Ficus carica			2	WC, 70L	:		
Filipendula ulmaria	B			70L	GA-3 no effect		
Foeniculum vulgare			2	70L			
Foeniculum vulgare		1		70L	GA-3 effect	sl bypass: L	
Forskohlea angustifolia			2	comment			
Forskohlea angustifolia		1		70L	GA-3 no effect		
Forstera bidwillii			2	empty			
Forsythia suspensa	B			70-40-70			
Fortunella crassifolia		1		WC, 70D			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Fortunella sp.			2 70D (WC or rinsed)	:			
Fouquieria spendens		1	70D	GA-3 detrimental			
Fragraria chilensis		1	WC 7 d, 70L	GA-3 effect	sl bypass: L		
Frailea alacriportana fulvispina		1c	70 GA-3				
Frailea aureinitens		1c	70 GA-3				
Frailea gracillima		1c	70 GA-3				
Frailea grahliama		1c	70				
Frailea lepida			2c 70 GA-3				
Francoa appendiculata			2 70D	GA-3 detrimental			
Francoa ramosa			2 DS 1 y = dead	GA-3 detrimental			
Francoa sonchifolia			2 70D	GA-3 detrimental			
Francoa sp.		1	70	:			
Frankenia thymifolia		1	70D				
Franklinia alatahama		1	70L				
Franklinia alatahama			2 70L				
Franklinia alatahama	B		70				
Frasera albicaulis	B		70-40-70-40	GA-3 no effect?			
Frasera fastigiata		1	70-40-70-40-70-40-70-40-70				
Frasera fastigiata	B		70-40-70-40-70	GA-3 no effect?			
Frasera speciosa	B		OT	GA-3 no effect?			
Fraxinus americana			2 70				
Fraxinus americana		1	strip, 70L	GA-3 minor effect	bpass: L		
Fraxinus americana	B		comment				
Fraxinus anomala			2 70D-40				
Fraxinus anomala		1	40-70D				
Fraxinus cuspidata			2 GA-3 50 to 70 OS	GA-3 USEFUL	%%		
Fraxinus excelsior	B		comment				
Fraxinus lanceolata	B		comment				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Fraxinus mandschurica	B			comment			
Fraxinus nigra	B			comment			
Fraxinus oxycarpa	B			comment			
Fraxinus pennsylvanica	B			comment			
Fraxinus pennsylvanica	B			comment			
Fraxinus quadrangulata			2	70D-40-70D-40-70D-40	GA-3 FATAL		
Fraxinus quadrangulata		1		70-40-70-40-70-40-70	GA-3 no effect		
Fraxinus syriaca	B			comment			
Freesia (hybrids)			2	55-65			
Freesia (hybrids)	B				70		
Fremontodendron californicum		1		puncture			
Fritillaria acmopetala	B			40-70			
Fritillaria armena	B			OT			
Fritillaria aurea	B			OT			
Fritillaria carica	B				40		
Fritillaria forbsii	B			OT			
Fritillaria gantneri	B				40		
Fritillaria glauca	B				40		
Fritillaria graeca	B			OT			
Fritillaria graeca v. thessalica		1		70-40-70-40			
Fritillaria graeca v. thessalica	B			40-70D			
Fritillaria imperialis		1			40	GA-3 FATAL	
Fritillaria imperialis	B			40-70-40-70			
Fritillaria imperialis			2	comment (short - 1y- DS good)			
Fritillaria kurdica	B			OT			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Fritillaria lanceolata</i>	B		40				
<i>Fritillaria meleagris</i>	B		70-40-70				
<i>Fritillaria michaelowskii</i>	B		OT				
<i>Fritillaria pallida</i>		1	70 (6 m) 40-70				
<i>Fritillaria pallida</i>	B		40-70-40-70-40				
<i>Fritillaria pallidiflora</i>	B		OT				
<i>Fritillaria persica</i>	B		40				
<i>Fritillaria pluriflora</i>	B		OT				
<i>Fritillaria pontica</i>	B		40-70				
<i>Fritillaria pudica</i>	B		OT				
<i>Fritillaria pyrenaica</i>	B		OT				
<i>Fritillaria raddeana</i>	B		OT				
<i>Fritillaria recurva</i>	B		70-40				
<i>Fritillaria</i> sp.	B		40-70				
<i>Fritillaria thunbergii</i>	B		40-70-40				
<i>Fritillaria tubiformis</i>	B		40-70				
<i>Fritillaria ussuriensis</i>	B		40-70-40				
<i>Fumana viridis</i>	B		70-40-70				
<i>Fumaria officinalis</i>		1	OT				
<i>Fuschia</i> (hybrids)	B		70 GA-3	GA-3 USEFUL	% germination		
<i>Gagea</i> sp.	B		OT				
<i>Gahnia clarkei</i>			2 70L	GA-3 no effect			
<i>Gahnia sieberiana</i>			2 70L	GA-3 no effect			
<i>Gaillardia aristata</i>			2 70D	:			
<i>Gaillardia aristata</i>	B		70				
<i>Galanthus elwesii</i>	B		70-40-70-40-70-40				
<i>Galanthus nivalis</i>	B		WC 7 d, 40-70-40				
<i>Galax urceolata</i>			2 empty				
<i>Galega officinalis</i>		1	D-70				
<i>Galeopsis speciosa</i>			2 70D-40-70D				



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Galtonia candicans			2 70D	:			
Galtonia candicans	B		70				
Gamocheta nivalis		1	70D				
Gardenia jasminoides		1	70D				
Gaultheria depressa	B		WC, 70L				
Gaultheria hispida			2 70D				
Gaultheria procumbens	B		WC, 70				
Gaultheria shallon		1	70L	GA-3 inhibitory			
Gaultheria trichophylla	B		WC, 70L				
Gaura biennis	B		70D GA-3	GA-3 USEFUL	%; bypass: L		
Gaura coccinea	B		40-70				
Gaura lindheimeri	B		70D				
Gazania (hybrids)			2 55-75	:			
Geissorhiza aspera			2 70D-40	:			
Geissorhiza fulva			2 70D-40	:			
Geissorhiza inequalis			2 70D-40	:			
Geissorhiza juncea			2 70D	:			
Geissorhiza monantha			2 70D-40	:			
Geissorhiza rochensis			2 70D-40	:			
Geissorhiza rochensis spithamaea			2 70D-40 (or DS1y 40)	:			
Geissorhiza secunda			2 70L-40 (or 40)	:			
Geissorhiza splendissima			2 70L-40				
Gelasine azurea			2 70L	:			
Genista subcapitata	B		OT				
Gentiana acaulis	B		70-40-70-40-70	nt: try?			
Gentiana affinis		1	70 GA-3	GA-3 USEFUL	% germination		
Gentiana affinis	B		OT				
Gentiana asclepiadea			2 DS 3 y = dead				
Gentiana asclepiadea	B		70				
Gentiana asclepiadea		1	70L	GA-3 no effect			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Gentiana asclepiadea rosea</i>			2	70L	GA-3 minor effect	faster at 70		
<i>Gentiana aspera</i>	B			OT				
<i>Gentiana austriaca</i>	B			OT				
<i>Gentiana autumnalis</i>	B			DS 6 m 70, 40-70				
<i>Gentiana barbata</i>	B			OT				
<i>Gentiana bellidifolia</i>	B			70 GA-3	GA-3 ESSENTIAL			
<i>Gentiana boisseri</i>	B			40-70				
<i>Gentiana cachmerica</i>	B			70				
<i>Gentiana calycosa</i>		1		DS 1 y = dead				
<i>Gentiana calycosa</i>	B			70D GA-3	GA-3 USEFUL	%; bypass: L		
<i>Gentiana ciliata</i>			2	no germ				
<i>Gentiana clusii</i>	B			70-40-70				
<i>Gentiana corymbifera</i>	B			70 GA-3				
<i>Gentiana crinita</i>	B			70D GA-3				
<i>Gentiana cruciata</i>		1		70 GA-3	GA-3 USEFUL	%; and bypass L		
<i>Gentiana dahurica</i>	B			OT				
<i>Gentiana decumbens</i>	B			70				
<i>Gentiana depressa</i>	B			OT				
<i>Gentiana dinarica</i>	B			70D GA-3				
<i>Gentiana farreri</i>	B			70-40-70				
<i>Gentiana fischeri</i>	B			70				
<i>Gentiana flavida</i>	B			70				
<i>Gentiana gelida</i>	B			70-40-70-40				
<i>Gentiana gracilipes</i>	B			OT				
<i>Gentiana grombezewskii</i>			2	70L	GA-3 minor effect	quicker germ		
<i>Gentiana lagodechiana</i>	B			70				
<i>Gentiana linearis</i>	B			OT				
<i>Gentiana loderi</i>	B			70				
<i>Gentiana lutea</i>	B			OT	GA-3 minor effect	bypass:OT		
<i>Gentiana macrophylla</i>	B			70	GA-3 no effect			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Gentiana nesophila	B		OT				
Gentiana nivalis		1	70 GA-3	GA-3 ESSENTIAL			
Gentiana occidentalis	B		70D GA-3	GA-3 effect	germ but die		
Gentiana olivieri	B		OT				
Gentiana paradoxa		1	70D	GA-3 no effect			
Gentiana paradoxa	B		70D GA-3 (better 40 no GA3)	GA-3 effect	germ but die		
Gentiana parryi	B		70				
Gentiana platypetala	B		OT				
Gentiana procera	B		OT				
Gentiana pseudoaquatica	B		40-70				
Gentiana pterocalyx	B		70				
Gentiana puberulenta	B		40-70				
Gentiana quinquifolia	B		OT				
Gentiana saponaria	B		70D-40-70L				
Gentiana scabra			2 DS 1 y = dead				
Gentiana scabra		1	comment	GA-3 effect	bypass: L		
Gentiana scabra	B		70L	GA-3 effect	bypass: L		
Gentiana sceptrum			2 70 GA-3	GA-3 ESSENTIAL			
Gentiana septemfida	B		70				
Gentiana sino-ornata	B		70-40-70				
Gentiana siphonantha	B		70				
Gentiana sp. blue			2 70L				
Gentiana tianschanica	B		70				
Gentiana tibetica	B		70				
Gentiana trichotoma	B		70				
Gentiana turkestanicum	B		OT				
Gentiana verna	B		70 GA-3	GA-3 ESSENTIAL			
Gentiana walujewii	B		OT				
Gentianella barbellata	B		70-40-70				
Gentianella campestris		1	70 GA-3	GA-3 ESSENTIAL			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Gentianella germanica</i>		1	70 GA-3	GA-3 ESSENTIAL	almost		
<i>Gentianella moorcroftiana</i>	B		70				
<i>Gentianella paludosa</i>	B		70				
<i>Gentianella</i> sp.	B		70				
<i>Gentianella turkestanorum</i>		1	70 GA-3	GA-3 ESSENTIAL			
<i>Gentianella turkestanorum</i>	B		OT				
<i>Gentianopsis crinita</i>	B		see <i>Gentiana crinita</i>				
<i>Gentianopsis stricta</i>	B		OT				
<i>Gentianopsis thermalis</i>	B		40-70				
<i>Geranium maculatum</i>	B		OT				
<i>Geranium sanguineum</i>	B		70D				
<i>Geranium sylvaticum</i>			2 70D-40-70D				
<i>Geranium sylvaticum</i>		1	70L-40-70D				
<i>Geranium transbaicalicum</i>	B		70				
<i>Geranium traversii</i>	B		70D				
<i>Geranium wallichianum</i>	B		70				
<i>Gerardia grandiflora</i>	B		OT				
<i>Geum borisii</i>	B		OT				
<i>Geum coccineum</i>	B		70L				
<i>Geum montanum</i>			2 rotted				
<i>Geum montanum</i>		1	40-70D	GA-3 detrimental			
<i>Geum montanum</i>	B		OT				
<i>Geum radicatum</i>	B		70				
<i>Geum reptans</i>	B		OT				
<i>Geum rivale</i>		1	70L	:			
<i>Geum urbanum</i>		1	D-70	:			
<i>Gilia androsacea</i>	B		70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Gilia formosa			2 70D				
Gilia formosa		1		40			
Gilia tricolor	B			40			
Gillenia trifoliata		1	OT	GA-3 USEFUL	bypass: OT		
Gillenia trifoliata	B		40-70 GA-3 (or 40, for DS seed)	GA-3 USEFUL	%; for fresh seed		
Gingidium decipiens			2 empty				
Gingidium montana			2	40 :			
Ginkgo biloba	B		WC 7 d, 70				
Gladiolus anaticus	B			40			
Gladiolus caucasicus	B		OT				
Gladiolus imbricata	B		OT				
Gladiolus kotschyanus	B			40			
Glandulicactus uncinnatus		1c	70 GA-3				
Glandulicactus wrightii		1c	70 GA-3				
Glaucidium palmatum	B		70D				
Glaucidium palmatum album	B		70 GA-3	GA-3 USEFUL	% germ		
Glaucium elegans		1	70D				
Glaucium elegans	B		70D				
Glaucium squamigera	B			70			
Gleditsia triacanthos	B		puncture, 70				
Globularia bisnagarica		1	chaff				
Globularia cordifolia		1	chaff				
Globularia cordifolia purpurea		1	chaff				
Globularia gellifolia		1	chaff				
Globularia incanescens		1	chaff				
Globularia nudicaulis			2 70D	:			
Globularia punctata		1	70L				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Globularia repens			2	70 :			
Globularia sp.			2	70L :			
Globularia sp.		1		70D			
Globularia trichosantha			2	70D :			
Globularia trichosantha		1		70L			
Gloriosa superba		1		70D	GA-3 no effect		
Glycyrrhiza glabra		1		comment			
Glyphosperma palmeri			2	70D (Light inhibitory)			
Glyphosperma palmeri		1		70D			
Godetia grandiflora			2	70D :			
Godetia grandiflora		1		70L			
Gomphrena globosa			2	70D			
Gomphrena haageana	B			90d-70n OS	GA-3 detrimental		
Gomphrena haageana		1		70-90 OS			
Gonolimon tataricum	B			70			
Goodenia scapigera		1		empty			
Gossypium herbaceum		1		D-70			
Gossypium thurberii		1		comment			
Grayia spinosa		1		70 GA-3			
Grevillea buxifolia			2	extract, 70			
Grevillea pulchella			2	rotted			
Grevillea robusta			2	75			
Grevillea sp.		1		70			
Greyia spinosa			2	comment			
Grumolo verde scuro	B			70			
Grusonia bradtiana cuatrociénagas		1c		70 GA-3			
Guichenotia sterculiaceae		1		puncture, 70			
Gunnera chilensis		1		WC			
Gunnera densiflora		1		70 GA-3 40-70	GA-3 little effect		

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Gunnera flavida</i>	B			rotted				
<i>Gunnera manicata</i>		1		WC				
<i>Gunnera manicata</i>	B			soak, 70				
<i>Gunnera prorepens</i>	B			rotted				
<i>Gunnera sp.</i>	B			rotted				
<i>Gutierrezia sarothrae</i>	B				70			
<i>Gymnocactus beguinii</i>		1c		70 GA-3				
<i>Gymnocactus beguinii senilis</i>		1c		70 GA-3				
<i>Gymnocactus calochorum proliferum</i>		1c		70 GA-3				
<i>Gymnocactus knuthianus</i>		1c		70 GA-3				
<i>Gymnocactus subterraneus zaragosae</i>		1c		70 GA-3				
<i>Gymnocalycium ambatoense</i>		1c		70 GA-3				
<i>Gymnocalycium anisitsii</i>		1c		70 GA-3				
<i>Gymnocalycium baldianum</i>		1c		70 GA-3				
<i>Gymnocalycium bodenbenderianum</i>		1c		70 GA-3				
<i>Gymnocalycium calochorum proliferum</i>		1c		70 GA-3				
<i>Gymnocalycium gibbosum</i>			2c	OS 50-70				
<i>Gymnocalycium gibbosum</i>		1c		70 GA-3				
<i>Gymnocalycium gibbosum nigrum</i>		1c		no germ				
<i>Gymnocalycium multiflorum</i>			2c	70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Gymnocalycium multiflorum		1c		70 GA-3			
Gymnocladus dioica	B			puncture, 70			
Gymnospermium altaicum	B			70-40-70			
Gynandriris setifolia				70D (Light 2 inhibitory)			
Gynandriris simulans				70D (Light 2 inhibitory)			
Gypsophila bungeana	B			D-70			
Gypsophila capitolliflora	B			D-70			
Gypsophila cerastoides	B			D-70			
Gypsophila elegans			2	50-85			
Gypsophila pacifica	B				40		
Haageocereus chosicensis		1c		70 GA-3			
Haageocereus pseudomelanostele		1c		70 GA-3			
Haberlea rhodopensis	B			70L-bagged			
Habranthus andersonii	B				70		
Hackelia bella		1			40	GA-3 no effect	
Haleria corniculata		1		70L	:		
Halesia caroliniana				comment (prev 2 info confirmed)			
Halesia caroliniana		1		40-70-40-70-40- 70-40-70-40-70	GA-3 no effect		
Halesia caroliniana	B			(40-70-40-70) x 2-4 y			
Halgania cyanea			2	rotted			
Halimium alyssoides			2	no germ			
Halimium atroplicifolium			2		40	GA-3 FATAL	



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Halimium ocymoides			2 70D				
Halimium ocymoides		1	70D				
Haloragis erecta			2 40-70D				
Hamamelis virginiana		1	DS 5 y = dead				
Hamamelis virginiana	B		70-40-70-40-70				
Hamatocactus sp.		1c	70 GA-3				
Haplocarpha scaposa			2 chaff				
Haplopappus bradegi			2 chaff				
Haplopappus Lyallii	B			70			
Haplopappus spinulosus	B			70			
Hardenburgia comptoniana		1	puncture	GA-3 minor efect	bypass: puncture		
Hardenburgia comptoniana	B		puncture, 70				
Harrisia bonplandii		1c	70 GA-3				
Harrisia brookii		1c	70 GA-3				
Hastingsia alba	B		DS 6 m, OT				
Hebe chatamica	B		40-70-40-70				
Hebe epacridea		1	70L	GA-3 effect	% at 70; but unhealthy		
Hebe guthreana	B		40-70				
Hedeoma hispida		1	70L	:			
Hedyotis pygmaea	B	1	70L (see Houstonia 1st suppl: 70D)	GA-3 inhibitory			
Hedyotis rubra	B		70L (see Houstonia 1st suppl: 70D)	GA-3 inhibitory			
Hedysarum cephalotes	B			70			
Heimia salicifolia			2	70 :			
Helianthemum ledifolium	B		70-40-70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Helianthemum nummularium	B			40				
Helianthemum oelandicum	B			70-40-70				
Helianthemum salicifolium	B			70				
Helianthus sp.	B			D-70				
Helichrysum bracteatum			2	70D	:			
Helichrysum sp.	B			70				
Heliotropium arborescens			2	70D	:			
Heliotropium arborescens		1		70	:			
Helleborus argutifolius		1		70-40-70-40	GA-3 no effect			
Helleborus argutifolius	B			70-40	GA-3 FATAL	at 70		
Helleborus corsicus	B			dead				
Helleborus faetidus			2	DS 4 y = dead				
Helleborus niger	B			70-40				
Helleborus orientalis	B			70-40				
Helonias bullata			2	DS 1 y = dead				
Helonias bullata		1		70L	:			
Helonias bullata	B			70L				
Hemerocallis (hybrids)	B			70				
Hepatica acutiloba	B			70-40				
Hepatica americana	B			70-40				
Hepatica nobilis	B			40				
Heptacodium jasminoides			2	70D				
Heracleum nepalense	B			D-70				
Hermodactylus tuberosus	B			70-40				
Herniaria glabra		1		D-70	:			
Hesperaloe parviflora		1		70D	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Hesperantha bachmannii			2	40 :			
Hesperantha baurii (mossii)			2	40 :			
Hesperantha cucullata			2	40 :			
Hesperantha falcata			2	40 :			
Hesperantha pauciflora			2	40 :			
Hesperantha pearsoni			2	40 :			
Hesperantha sp.			2	40 :			
Hesperis matronalis	B			D-70			
Hesperochiron californicum		1		70 GA-3	GA-3 USEFUL	bypass: cold cyc;e	
Heterodendrum oleifolium		1		70C			
Heterotheca fulcrata	B			70			
Heuchera cylindrica		1		70L	:		
Heuchera cylindrica	B			70L	GA-3 effect	bypass: L	
Heuchera cylindrica v. alpina	B			70			
Heuchera hallii	B			70L-40-70L			
Heuchera hispida	B			70L			
Heuchera richardsonii		1		70L	:		
Heuchera richardsonii	B			70			
Heuchera villosa	B			D-70L	GA-3 no effect		
Hibbertia dentata		1		70 GA-3 40 (or 70L)	GA-3 minor efect	some later germ	
Hibiscus esculenta			2	70C	:		
Hibiscus lasiocarpus			2	70	:		
Hibiscus moscheutos			2	DS 1 y = dead			
Hibiscus moscheutos	B			70			
Hibiscus syriacus	B			70			
Hibiscus trionum			2	70D	:		
Hibiscus trionum		1		70D	"		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Hieracium maculatum		1	70L				
Hieracium olafii			2 DS 2 y = dead				
Hieracium olafii		1	70L	:			
Hierochloe			2 comment				
Hierochloe odorata		1	chaff				
Hippolytica darwasica	B			70			
Hippophae salicifolia	B			70			
Hoheria lyalli		1	empty				
Holodiscus discolor	B		40-70				
Homeria breyniana			2	40			
Homeria collina			2	40			
Honckenya (Ammadenia) peplodes		1	70 GA-3	GA-3 USEFUL	%		
Horminum pyrenaicum	B			70			
Hosta nakiana	B			70			
Hosta sieboldi	B			70			
Houstonia coerulea	B			70			
Houttuynia cordata		1	70L	GA-3 no effect			
Hudsonia ericoides	B		70L				
Hulsea algida			2	40 :			
Humulus lupulus		1	70 GA-3	GA-3 USEFUL	bypass: cold		
Hunnemannia fumariifolia		1		70 :			
Hunnemannia fumariifolia			2 70D	:			
Hutchinsia alpinus	B			70			
Hyacinthella azurea			2	40 GA-3 detrimental			
Hyacinthus orientalis	B		70-40				
Hydrangea arborescens		1	70L	GA-3 effect	bypass: L		
Hydrangea panniculata		1	70 GA-3	GA-3 USEFUL	bypass: cold		
Hydrangea quercifolia	B		70L				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Hydrastis canadensis	B			40-70-40-70-40-70				
Hydrophyllum capitatum		1		70 GA-3 40 (or, 40)	GA-3 effect	%		
Hylomecon japonicum			2	70 GA-3	GA-3 ESSENTIAL	almost		
Hymenanchera alpina			2	70D-40-70D-40-70D				
Hymenocallis occidentalis	B			70-bagged				
Hymenocrater bituminosus	B			70				
Hymenolepis paraviflora			2	chaff				
Hymenoporum flavum		1		70L	GA-3 minor efect	bypass: L		
Hymenoxys acaulis ssp. caespitosa	B			(in capsules, kept moist) 70				
Hymenoxys grandiflora	B			70				
Hymenoxys lapidicola	B			70				
Hymenoxys sp.	B			40-70				
Hymenoxys subintegra	B			70				
Hyoscyamus niger		1		70 GA-3	GA-3 ESSENTIAL			
Hypericum choisianum	B			70L				
Hypericum densiflorum	B			70				
Hypericum olympicum			2	70 GA-3 (inconsistent results)	GA-3 USEFUL	DS 2+yr otherwise??		
Hypericum olympicum		1		70 GA-3	GA-3 ESSENTIAL			
Hypericum perforatum	B			70L				
Hypericum pulchellum	B			70				
Hypericum spathulatum		1		70 L	:			
Hypericum spathulatum	B			70D GA-3				
Hypoxis hirsuta	B			70				
Hysoppos officinalis		1		70D	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Hysopus seravshanicus	B		70				
Hysopus officinalis			2 70D	:			
Hystrix patula	Bg		40-70				
Iberis sempervirens	B		40				
Iberis umbellata			2 70D	:			
Iberis umbellata		1	70D	:			
Ibicella lutea			2 DS 2 y = dead				
Ibicella lutea		1	peel, 70D	GA-3 FATAL			
Ikonnikovia kaufmanniana	B		70				
Ilex aquifolium			2 no germ				
Ilex glabra		1	OT				
Ilex glabra	B		WC 7 d, OT	GA-3 effect	%, but seedlings die		
Ilex japonica	B		WC 7 d, 40-70				
Ilex montana			2 no germ				
Ilex monticola	B		WC 14 d, OT	GA-3 little effect			
Ilex opaca			2 no germ				
Ilex opaca	B		comment				
Ilex serrata	B		WC 7 d, 40-70				
Ilex verticillata	B		WC 14 d, OT				
Illiamna longisepala	B		puncture, 70	GA-3 no effect			
Illiamna rivularis	B		puncture, 70				
Impatiens balfouri			2 40	GA-3 FATAL			
Impatiens balsamina			2 70D				
Impatiens balsamina		1	D-70	:			
Impatiens biflora	B		40-OT				
Impatiens parviflora	B		comment				
Impatiens scabrida	B		70				
Incarvillea arguta	B		D-70				
Incarvillea mairei	B		D-70				
Incarvillea olgae	B		D-70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Indifogera heteranthera	B		puncture, 70				
Inula ensifolia	B		D-70				
Inula helenium		1	70L	:			
Inula helenium			2 70D				
Inula obtusifolia	B		D-70				
Inula rhizocephala	B		D-70				
Ipheion uniflorum		1	40-70D-40				
Ipomoea batatas		1	comment				
Ipomoea leptophylla	B		70				
Ipomoea tricolor			2 55-85	:			
Ipomoea tricolor		1	D-70	:			
Ipomopsis aggregata	B		40-70				
Ipomopsis rubra			2 70D	:			
Ipomopsis spicata	B		70-40				
Iris acutiloba	B		70-40-70-40-70-40-70				
Iris attica		1	(40-70) x 8 + 40				
Iris barnumae	B		comment				
Iris bracteata	B		40				
Iris brandzae	B		70-40-70				
Iris bulleyana		1	70L				
Iris chrysophylla	B		40				
Iris darwasica		1	(70-40-70-40) x 3.5 + 40				
Iris decora	B		70				
Iris dichotoma	B		70				
Iris douglasiana	B		WC 4 w, 40				
Iris elegantissima	B		70-OT				
Iris ensata	B		OT				
Iris foetidissima	B		40-70-40				
Iris forrestii	B		WC 7 d, OT				
Iris germanica	B		40				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Iris goniocarpa</i>	B			OT				
<i>Iris histroides</i>	B			(40-70-40-70) x 2-3y, OT				
<i>Iris hoogiana</i>	B			40-70-40				
<i>Iris hookeri</i>	B			70-40-70				
<i>Iris illyrica</i>	B			40-70				
<i>Iris innominata</i>	B			70-40				
<i>Iris junoniana</i>	B			70				
<i>Iris kemaensis</i>	B			70-40-70-40-70				
<i>Iris lactea</i>	B			OT				
<i>Iris latifolia</i>	B			WC 4 w, 70-40				
<i>Iris lutescens</i>	B			70				
<i>Iris mandschurica</i>	B			70L				
<i>Iris milesii</i>	B			40-70L				
<i>Iris missouriensis</i>	B			70L	GA-3 no effect			
<i>Iris nepalensis</i>	B			70				
<i>Iris oncocyclus (hybrids)</i>	B			70-40-70-40-70- 40				
<i>Iris orientalis</i>	B			70-40				
<i>Iris paradoxa</i>	B			70				
<i>Iris pseudoacorus</i>	B			70L-40-70L				
<i>Iris pumila</i>	B			70				
<i>Iris reticulata</i>	B			70-40-70-40-70- 40				
<i>Iris ruthenica</i>	B			70D				
<i>Iris setosa</i>	B			OT				
<i>Iris sibirica</i>	B			70L	GA-3 no effect			
<i>Iris sintenesii</i>	B			see <i>Iris brandzae</i>				
<i>Iris sogdiana</i>	B			70L				
<i>Iris spuria</i>	B			70L				
<i>Iris spuria v. halophila</i>	B			70				



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Iris stolonifera			2	comment			
Iris stolonifera		1		(40-70-40-70) x 2 + 40			
Iris subbiflora	B			70-40-70-40-70			
Iris taochia	B			70L			
Iris tectorum	B			70L			
Iris tectorum alba	B			70L			
Iris tenax	B			40			
Iris trojana		1		70			
Iris trojana	B			70			
Iris typhifolia		1		70L			
Iris unguicularis	B			70-40			
Iris versicolor		1		70L			
Iris versicolor	B			70L			
Iris wilsoni	B			70L			
Iris xiphoides		1		70 GA-3 40	GA-3 ESSENTIAL		
Isatis tinctoria			2	40 :			
Isatis tinctoria		1		40 (2yr DS v helpful)			
Isoplexis canariensis			2	70 :			
Isoplexis canariensis		1		70L	GA-3 inhibitory		
Isopyrum biternatum	B			70-40-40			
Isotoma axillaris			2	70 :			
Isotoma axillaris		1		70L	GA-3 inhibitory		
Itea virginica	B			40-70L			
Ivesia gordonii	B			70			
Ixia paniculata			2	70D-40			
Ixia pumilio			2	70D (Light inhibitory)	:		
Ixia pycnostachys			2	70D (Light inhibitory)	:		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Ixia viridiflora</i>			2 70D (Light inhibitory)	:			
<i>Ixolirion keratuginium</i>	B		OT				
<i>Ixolirion tataricum</i>	B		40				
<i>Jacaranda mimosifolia</i>	B		70				
<i>Jamesia americana</i>		1	70L	GA-3 effect	bypass: L		
<i>Jankae heldrichii</i>	B		70				
<i>Jasione crispa</i>	B		70				
<i>Jasminum humile</i>	B		70L				
<i>Jatropha curcas</i>		1	70D	GA-3 very inhibitory			
<i>Jatropha macrocarpa</i>			2 no germ				
<i>Jeffersonia diphylla</i>	B		40-70-40-70-40-70				
<i>Jeffersonia dubia</i>	B		OT				
<i>Jovellana repens</i>		1	chaff				
<i>Juglans ailantifolia</i> v. <i>cordiformis</i>	B		40-70-40-70				
<i>Juglans cinerea</i>	B		OT				
<i>Juglans nigra</i>	B		OT				
<i>Juglans regia</i>		1	70D				
<i>Juncus compressus</i>		1	70L				
<i>Juncus effusus</i>		2	70L	:			
<i>Juncus effusus</i>		1	70L				
<i>Juncus tenuis</i>		2	70L	:			
<i>Juncus tenuis</i>		1	70L				
<i>Juniperus horizontalis</i>		1	70-40-70-40-70				
<i>Juniperus horizontalis</i>	B		40				
<i>Juniperus virginiana</i>	B		40-70-40-70				
<i>Juno aitchisonii</i>	B		70				
<i>Juno albomarginata</i>	B		70-40-70				
<i>Juno aucheri</i>	B		70-40-70-40-70-40				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Juno baldshuanica	B			40-70-40-70-40				
Juno bucharica			2	green 40-40	GA-3 no effect			
Juno bucharica		1		green, 70-40				
Juno bucharica	B			D-70-40-70-40- 70-40-70-40				
Juno coerulea	B			40-70-40-70-40- 70				
Juno cycloglossa	B			70-40				
Juno graeberiana	B			40-70-40				
Juno halda			2	green 40-40				
Juno kuschakewiczii	B			40-70-40				
Juno magnifica			2	green 40-40				
Juno magnifica	B				40			
Juno orchioides	B				70			
Juno sp.	B			70-40-70-40				
Juno stenophylla v. allisonii	B			40-70				
Juno subdecolorata	B			70-40				
Juno vicaria	B			40-70-40-70-40				
Juno wilmottiana	B			OT				
Juno zaprajagejewii	B			40-70-40-70				
Jurinella moschus	B				70			
Kalanchoe (hybrids)	B			70L	GA-3 minor effect	bypass: L		
Kalanchoe flammea			2	60L-85L				
Kalanchoe grandiflora			2	50-70 OS				
Kalmia angustifolia	B			70L				
Kalmia cuneata	B			comment				
Kalmia hirsuta	B			comment				
Kalmia latifolia	B			70L				
Kalmia microphylla	B			comment				
Kalmia polifolia	B			comment				
Kalopanax pictus		1		70D-40-70D	GA-3 no effect			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Kedrostis			2	comment			
Kedrostis africana		1		70D	:		
Kelseya uniflora			2	70D			
Kelseya uniflora		1		70 GA-3	GA-3 USEFUL	%; and bypass cold	
Kernera saxatilis		1		70L	:		
Kigelia pinnata		1			70 GA-3 no effect		
Kirengoshima palmata	B				40		
Kitaibelia vitifolia		1		puncture, 70D			
Knautia macedonica		1		70L	GA-3 little effect		
Kochia scoparia			2	50-85			
Koeleria glauca	Bg			D-70			
Koelreuteria paniculata	B			D-puncture, 70-40-70			
Koenigia islandica		1			70 GA-3 no effect		
Kolkwitzia amabilis	B				70		
Korolkowia sewerzowii	B			OT			
Kunzea baxteri		1		70D			
Kunzea baxteri	B			70L	GA-3 little effect	bypass: L	
Kunzea vestita		1		comment	"		
Kunzea vestita	B			70L	GA-3 effect	bypass: L	
Laburnum vossi	B			puncture, 70			
Lachenalia algoensis			2	70D (Light inhibitory)	:		
Lachenalia aloides			2	70D (Light inhibitory)	:		
Lachenalia arabuthnotiae			2	70D (Light inhibitory)	:		
Lachenalia bulbifera			2	70D (Light inhibitory)	:		
Lachenalia capensis			2	70D-40 (Light inhibitory)	:		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Lachenalia elegans			2 70D-40 (Light inhibitory)	:			
Lachenalia fistulosa			2 70D (Light inhibitory)	:			
Lachenalia gilleti		1	70D (Light inhibitory)	:			
Lachenalia gillettii			2 70D (Light inhibitory)	:			
Lachenalia glaucina			2 70D (Light inhibitory)	:			
Lachenalia glaucina pallida			2 70D (Light inhibitory)	:			
Lachenalia latiflora			2 70D (Light inhibitory)	:			
Lachenalia latiflora		1	70D	:			
Lachenalia latifolia			2 70D (Light inhibitory)	:			
Lachenalia liliflora			2 70D (Light inhibitory)	:			
Lachenalia mediana			2 70D (Light inhibitory)	:			
Lachenalia mediana		1	70D	:			
Lachenalia orchioides			2 70D (Light inhibitory)	:			
Lachenalia orthopetala			2 70D (Light inhibitory)	:			
Lachenalia pallida			2 70D (Light inhibitory)	:			
Lachenalia postulata			2 70D (Light inhibitory)	:			
Lachenalia postulata		1	70D	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Lachenalia reflexa			2 70D (Light inhibitory)	:			
Lachenalia rosea			2 70D (Light inhibitory)	:			
Lachenalia unicolor			2 70D (Light inhibitory)	:			
Lachenalia unicolor		1	70D	:			
Lactuca sativus			2 70D	:			
Lactuca sativus		1		70 :			
Lagarus ovatus	Bg		D-70				
Lagopsis marrubiastrum		1	empty				
Lagotis ikonnikovii	B			70			
Lagotis uralensis	B		70-40				
Lagunaria patersonii			2 comment	:			
Lagunaria patersonii		1	puncture, 70D				
Lallemantia canescens	B			70			
Lallemantia iberica			2 WC, 70D				
Lamium maculatum	B		70L				
Lapeirousia anomatheca laxa			2 70D	GA-3 no effect			
Lapeirousia laxa	B		70L	GA-3 inhibitory			
Lapeirousia laxa alba	B		40-70				
Larix kaempferi	B			40			
Larrea tridentata			2 70D	:			
Larrea tridentata		1	70D	GA-3 inhibitory			
Larrea tridentata	B		70D				
Lathyrus latifolius		1	70D	:			
Lathyrus latifolius			2 70D	:			
Lathyrus latifolius	B			70			
Lathyrus odoratus			2 70D	:			
Lathyrus vernus	B			40			
Laurentia axillaris			2 rotted				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Laurentia gasparrinii			2 70D	:			
Lavandula sp.		1	70D	GA-3 no effect			
Lavandula spica	B		70L				
Lavatera arborea			2 70D	:			
Lavatera thuringiaca			2 70D	:			
Lavatera thuringiaca		1		70 :			
Lavetia (Azorella ) compacta			2 70D				
Lawsonia inermis v. alba		1	no germ	GA-3 no effect ?			
Lechenaultia biloba			2 empty				
Ledum groenlandicum	B		70D GA-3	GA-3 USEFUL	bypass: cold		
Legousia patagonia		1	70L	:			
Legousia patagonia			2 70L (light inhibitory)	:			
Leiophyllum buxifolium	B		70L				
Leonotis dysophylla			2 70D	:			
Leonotis leonurus		1		70 :			
Leontice incerta	B			70			
Leontodon autumnalis		1	70L	:			
Leontodon autumnalis			2 70D	:			
Leontopodium alpinum	B			70			
Leontopodium calocephalum	B			70			
Leontopodium himalaicum	B			70			
Leontopodium nivale	B			70			
Leontopodium ochroleucum	B			70			
Leontopodium paliginianus			2 70D	:			
Leontopodium soulei	B			70			
Leonurus cardiaca		1	D-70	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Leonurus sibiricus		1	D-70				
Leopoldia comosa alba			2 70D-40	:			
Lepechina calycina		1	70D-40-70D	GA-3 no effect			
Lepidium sativum	B			70			
Leptarrhena pyrolifolia	B		70L				
Leptinella (Cotula) pyrethifolia			2 70D	:			
Leptinella pyrethifolia		1	70L				
Leptodactylon pungens	B			70			
Leptodactylon watsonii			2 70D				
Leptodactylon watsonii		1	70D				
Leptosiphon (hybrids)			2 70D	:			
Leptosiphon (hybrids)	B			70			
Leptospermum lanigenum		1		70			
Leptospermum petersonii			2 chaff				
Leptospermum scoparium			2 chaff				
Leptospermum scoparium		1		70			
Lespedeza bicolor	B		70-40-70				
Lesquerella condensata	B			70			
Lesquerella fendleri	B			70			
Lesquerella ovalifolia	B			70			
Lesquerella pinetorum	B			70			
Lesquerella purshii	B			70			
Lesquerella rubicunde	B			70			
Leucaena leucocephala			2 puncture, 70				
Leucaena leucocephala		1	puncture, 70D				
Leuchtenbergia principis		1c	70 GA-3				
Leucocrinum montanum		1	40-70D	GA-3 no effect			



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Leucojum aestivum	B			70-40-70-40-70				
Leucojum vernum	B			70				
Leucopogon colensoi		1		no germ				
Leucopogon fraseri			2	40-70D-40-70D-40-70D	GA-3 no effect			
Leucospermum formosum			2	rotted				
Leucothoe racemosa	B			70L				
Levisticum officinale	B			70L				
Levisticum officinale		1		70D	GA-3 no effect			
Lewisia brachycalyx	B			70-40	GA-3 likely useful			
Lewisia cotyledon			2	40?				
Lewisia cotyledon	B			40	GA-3 likely useful			
Lewisia nevadensis	B			OT	GA-3 likely useful			
Lewisia pygmaea	B			OT	GA-3 USEFUL	induce prev cycled seed		
Lewisia rediviva	B			40	GA-3 likely useful			
Lewisia tweedyi	B			D-40	GA-3 USEFUL	(reported by others)		
Leycesteria formosa			2	70L	GA-3 inhibitory			
Leycesteria formosa		1		70D				
Liatris spicata			2	40-70D	:			
Liatris spicata	B			70				
Libanotis montana	B			OT				
Libertia caerulescens			2	no germ				
Libertia formosa			2	70D				
Libertia formosa		1		70D				
Libertia grandiflora			2	70L-40				
Libertia ixioides			2	70L-40				
Libertia perecrinans			2	70L-40-70D				
Libertia tricolor			2	no germ				
Libocedrus decurrens		1		70D				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Libocedrus decurrens	B			70D				
Lignocarpa carnosula			2	no germ				
Ligularia amplexicaulis	B			70D				
Ligularia dentata	B			40-70				
Ligularia japonica		1		70D-40-70D				
Ligusticum scoticum		1		OT	GA-3 minor effect	bypass: cold		
Ligustrum japonicum	B			70				
Ligustrum obtusifolium	B			WC, 70-40-70				
Lilium albanicum	B			70-40				
Lilium alexandrae	B			70				
Lilium amabile	B			70				
Lilium amabile luteum	B			70				
Lilium auratum		1		70D				
Lilium auratum	B			70				
Lilium canadense flavum	B			70				
Lilium canadense v. editorum	B			70	GA-3 possible use	shorten dev stages		
Lilium canadense v. editorum		1		70D				
Lilium candidum	B			70				
Lilium catesbaei	B			comment				
Lilium caucasicum	B			70-40				
Lilium centifolium (hybrids)			2	DS 3 y = dead				
Lilium centifolium (hybrids)	B			70-70				
Lilium centifolium x henryi	B			comment				
Lilium cernuum	B			70				
Lilium chalcedonicum	B			70-40-70				
Lilium ciliatum	B			70-40-70				
Lilium columbianum		1		40-70-40-70-40				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Lilium concolor	B			70				
Lilium concolor v. partheneion	B			70-40				
Lilium davidi	B			70				
Lilium debile	B			70-40				
Lilium formosanum	B			70				
Lilium grayi	B			70				
Lilium humboldtii v. ocellatum		1		70-40				
Lilium kelleyanum	B			70-40				
Lilium martagon			2	DS 3 y = dead				
Lilium martagon		1		70D				
Lilium martagon	B			40-70 (needs shift to 40 for leaf)	GA-3 no effect			
Lilium martagon album	B			70				
Lilium maximowiczii	B			70				
Lilium michauxii	B			70-40				
Lilium michauxii			2	70D-40 (needs shift to 70 for leaf)				
Lilium michiganense	B			70				
Lilium monadelphum	B			70-40-40				
Lilium nanum	B			70				
Lilium nepalense	B			70				
Lilium nobilissimum	B			40				
Lilium occidentale			2	40				
Lilium occidentale		1		40				
Lilium pardalinum		1		OT				
Lilium pardalinum	B			OT-40-70				
Lilium pardalinum v. wigginsii		1		70-40				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Lilium parryi		1	70-40				
Lilium parvum	B		OT-40-70				
Lilium philadelphicum	B		comment				
Lilium pomponium	B		70-40				
Lilium ponticum	B		70-40-70				
Lilium pulchellum	B					70	
Lilium pumilium	B					70	
Lilium pumilum			2 70D				
Lilium pyrenaicum			2 DS 4 y = dead				
Lilium pyrenaicum	B		OT				
Lilium regale			2 DS 3 y = dead				
Lilium regale	B					70	
Lilium sachalinense	B					70	
Lilium shastense	B		OT-40-70				
Lilium superbum		1				70	
Lilium superbum	B					70	
Lilium szovitsianum		1	70D-40-70				
Lilium szovitsianum	B					70	
Lilium szovitsianum			2 70D				
Lilium tenuifolium	B					70	
Lilium tsingtauense	B		70-40-70				
Lilium washingtonianum	B		70-40-70				
Limnanthes douglasii			2 70D	:			
Limnanthus douglasii	B					70	
Limonium latifolium	B				GA-3 inhibitory	70	
Limonium minutum	B					70	
Limonium sinuatum			2 70D	:			
Linanthrastum nuttallii			2 70D-40	:			
Linanthrastum nuttallii		1	70 GA-3	GA-3 minor effect	bypass: L		
Linanthrastum nuttallii	B					40	
Linanthus grandiflora	B					70	
Linanthus grandiflorus			2 70D	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Linaria kurdica	B		70				
Linaria purpurea	B		70L				
Linaria pyramidata	B		70				
Linaria trystis	B		D-70				
Lindelofia longiflora	B		70				
Lindera benzoin	B		WC, 70-40-70				
Linum alpinum			2 DS 1 y = dead				
Linum alpinum		1	70 GA-3	GA-3 minor effect	bypass: cold		
Linum boreale	B		70D	GA-3 FATAL			
Linum bulgaricum	B		70L	GA-3 minor effect			
Linum capitatum	B		70 GA-3	GA-3 USEFUL	check conditions		
Linum catharticum		1	70L-40-70D	GA-3 no effect			
Linum catharticum	B		70 GA-3	GA-3 USEFUL	% germ		
Linum dolomiticum	B		OT				
Linum extraaxillare	B		70-40-70-40-70-40-70				
Linum kingii	B		70				
Linum perenne	B		70L				
Linum usitatissimum		1	D-70	:			
Linum veitatisi	B		70				
Lippia (Phyla) nodiflora		1	chaff				
Liquidambar styraciflua	B		D-70				
Liriodendron tulipifera		1	70D-40-70D				
Liriope spicata	B		70L				
Liriodendron tulipifera	B		comment				
Lisianthus russelianum	B		70L				
Lithocarpus densiflorus v. echinoides		1	70D-40	:			
Lithospermum incisum	B		70L				
Lithospermum multiflorum	B		70L				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Lithospermum officinale		1	70L	GA-3 minor effect	bypass: L		
Livistonia chinensis		2	DS 1 y = dead				
Livistonia chinensis		1	70				
Lloydia serotina	B		70				
Lloydia triflora	B		40				
Loasa nana	B		70D				
Loasa sigmoidea	B		rotted				
Loasa vulcanica	B		70L	GA-3 effect	bypass: L		
Lobelia anatina		1	70 GA-3	GA-3 USEFUL	%; bypass: L		
Lobelia boykinii		1	70 GA-3	GA-3 ESSENTIAL	almost		
Lobelia cardinalis		1	70L	:			
Lobelia cardinalis	B		70L	GA-3 effect	bypass: L		
Lobelia erinus		2	70D	:			
Lobelia inflata		1	70L				
Lobelia inflata	B		70L	GA-3 effect	%; bypass: L		
Lobelia pendula		2	70D	:			
Lobelia pendula		1	70	GA-3 inhibitory			
Lobelia sessilifolia	B		70L-40-70L (or GA-3)	GA-3 effect	%; bypass: L		
Lobelia syphilitica	B		70L	GA-3 effect	%; bypass: L		
Lobelia tupa	B		70				
Lobivia acanthophlegma oligotricha		1c	70 GA-3				
Lobivia aurea		1c	70 GA-3				
Lobivia aurea leucomalis		1c	70 GA-3				
Lobivia backebergii		1c	70 GA-3				
Lobivia bruchii		2c	70 GA-3				
Lobivia bruchii		1c	70				
Lobivia chrysantha		1c	70				
Lobivia einsteinii aureiflora		1c	70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Lobivia saltensis nealeana		1c		70 GA-3			
Lobivia wrightiana winteriana		1c		70			
Loiseleuria procumbens		1		70L			
Lomatium columbianum	B			40			
Lomatium grayi	B			40-70			
Lomatium laevigatum	B			40			
Lomatium macrocarpum	B			40			
Lomatium martindalei	B			40			
Lomatium nudicaule	B			40			
Lomatium nuttallii		1		40	GA-3 no effect		
Lomatogonum sp.	B			40-70L			
Lonicera hallii	B			40-70			
Lonicera maacki	B			40	GA-3 no effect		
Lonicera obovata	B			70			
Lonicera pyrenaica	B			70-40-70-40-70			
Lonicera sempervirens	B			40			
Lonicera tatarica	B			70	GA-3 no effect		
Lopezia racemosa		1		70	:		
Lophocereus schottii		1c		70 GA-3			
Lophophora decipiens		1c		70 GA-3			
Lotus corniculatus	B			70			
Loxanthocereus seniloides		1c		70 GA-3			
Luetkea pectinata			2	70D	GA-3 little effect		
Lunaria annua	B			70	GA-3 minor effect	bypass: L	
Lupinus lepidus v. lobbii	B			puncture, 70			
Lupinus lyallii v. lobbii	B			puncture, 70			
Lupinus polyphyllus			2	50-85			
Luzula luzuloides		1		70	GA-3 very inhibitory		
Luzula nivea		1		70	GA-3 very inhibitory		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Luzula pilosa		1	70L	GA-3 very inhibitory			
Lycene kubotai		2	70L	:			
Lychnis (hybrids)		2	70D	:			
Lychnis alba		2	70L	:			
Lychnis alba		1	70L				
Lychnis alba	B		70L	GA-3 effect	bypass: L		
Lychnis alpina	B			70			
Lychnis chalcedonica		2	70D	:			
Lychnis chalcedonica	B			70			
Lychnis coronaria		2	70D	:			
Lychnis flos-cuculi		1		70	GA-3 no effect		
Lychnis flos-jovis		2	70D	:			
Lychnis sieboldi	B			70			
Lychnis viscaria		2	70D	:			
Lychnis wilfordii	B		70L				
Lychnis x arkwrightii		2	70D				
Lychnis yunnanensis		2	70D	:			
Lycium chinense		1		70	:		
Lycopersicon esculentum		2	70D	:			
Lycopersicon esculentum		1	70D				
Lycopersicon esculentum	B		70D	GA-3 effect	germ cold		
Lycopus europaeus		1	D-70	:			
Lycoris pumila	B		70-40				
Lygodesmia texana	B		40-70				
Lyonia mariana	B		70L				
Lysichiton americanum		1	70L	:			
Lysichiton americanum	B		40-nick-70				
Lysichiton camschatcensis	B		70-40-70				
Lysichiton camschatcensis		1	70L	GA-3 inhibitory			
Lysimachia ciliata	B			70			



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Lysimachia punctata			2 70L	:			
Lysimachia punctata		1	70L	GA-3 minor effect	bypass: L		
Lythrum salicaria	B		70L				
Maackia amurensis		1	puncture, 70D				
Macfadyena unguis-cati		1	70	GA-3 inhibitory			
Machaeranthera tanacetifolia			2 70D	:			
Machaeranthera tanacetifolia	B		70				
Machaerocereus gummosus		1c	70 GA-3				
Macleaya cordata	B		70L				
Maclura pomifera	B		WC 5 d, WC 5 d (det.), 70				
Magnolia denudata	B		WC (det.), 40-70				
Magnolia glauca	B		WC (det.), 40-70	GA-3 effect	bypass:cold; but die		
Magnolia grandiflora			2 DS 1 y = dead				
Magnolia grandiflora		1	WC 7 d, 6 w OS, 70D				
Magnolia kobus v. stellata		1	40-70	GA-3 USEFUL	bypass:cold		
Magnolia kobus v. stellata	B		WC (det.), 40-70-40-70				
Magnolia sieboldi	B		DS 2 y = dead				
Magnolia tripetala	B		WC (det.), 40-70-40-70				
Magnolia wilsoni	B		DS 2 y = dead				
Mahonia aquifolium	B		WC 7 d, DS, 40-70-40-70-40-70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Maianthemum canadense</i>	B			40-70				
<i>Maihuenia patagonica</i>			2c	70 GA-3				
<i>Maihuenia patagonica</i>		1c		70 GA-3				
<i>Maihueniopsis glomerata</i>		1c		70 GA-3				
<i>Maihueniopsis</i> sp. 'yocalla'		1c		no germ				
<i>Majorana hortensis</i>	B			70				
<i>Malabaila involucrata</i>			2	70	GA-3 no effect			
<i>Malacothamnus densiflorus</i>		1		puncture, 70D				
<i>Malesherbia linearifolia</i>	B			40				
<i>Malleostemon roseus</i>			2	rotted				
<i>Malope trifida</i>			2	70D	:			
<i>Malope trifida</i>		1		70	:			
<i>Malus baccata</i>	B			40				
<i>Malus</i> 'bob white'	B			40				
<i>Malus</i> 'donald wyman'	B			40				
<i>Malus hupenensis</i>			2	DS 3 y = dead				
<i>Malus</i> 'joneliscious'	B			40-70	GA-3 deleterious			
<i>Malus</i> 'red splendor'	B			40	GA-3 inhibitory			
<i>Malus robusta</i>			2	DS 4 y = dead				
<i>Malus</i> sp.	B			40-70				
<i>Malus</i> 'yellow delicious'	B			40	"			
<i>Malva alcaea</i>		1		puncture, 70				
<i>Malva moschata</i>		1		70	:			
<i>Malva moschata</i>	B			70				
<i>Malvaviscus arboreus</i>		1		70L				
<i>Mamillaria apamiensis</i> <i>pratensis</i>		1c		70 GA-3				
<i>Mamillaria apozolensis</i> <i>saltensis</i>		1c		70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Mamillaria aurihamata		2c	OS 32-75				
Mamillaria aurihamata	1c		70 GA-3				
Mamillaria backebergiana	1c		70				
Mamillaria bocasana f. roseiflora	1c		70 GA-3				
Mamillaria carnea	1c		no germ				
Mamillaria gueizowiana	1c		70 GA-3				
Mamillaria lasiacantha		2c	OS 32-75				
Mamillaria lasiacantha	1c		70 GA-3				
Mamillaria melacantha	1c		70 GA-3				
Mamillaria napina		2c	70 GA-3				
Mamillaria senilis	1c		70 GA-3				
Mamillaria theresae		2c	OS 32-75				
Mamillaria theresae	1c		70 GA-3				
Mamillaria wrightrii		2c	OS 32-75				
Mandevilla suaveolens		2	70L				
Mandevilla suaveolens	1		70D	GA-3 no effect			
Mandragora officinalis	1		40-70-40-70	GA-3 no effect			
Mangifera indica	1		extract, WC, 70	GA-3 FATAL?			
Margyricarpus setosus	1		70D	:			
Marrubium vulgare	1		D-70	:			
Marshallia obovata	B		70				
Matelea obliquus	1		70 GA-3	GA-3 ESSENTIAL	almost		
Matelea obliquus	B		70D GA-3	GA-3 ESSENTIAL			
Mathiola bicornis		2	70	:			
Mathiola fruticulosa		2	70D-40				
Mathiola incana	1		70L	:			
Mathiola incana	B		70L				
Matricaria maritima	1		70L	GA-3 v minor effect	bypass: L		
Matricaria recutita	1		D-70	:			
Matucana formosa	1c		70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Matucana haynei		1c		70 GA-3			
Matucana roseo-alba		1c		70 GA-3			
Maurandia (Asarina) petrophilia		1		70L			
Mazus reptans			2	70 :			
Meconopsis aculeata	B			70L			
Meconopsis betonicifolia		1		70D	:		
Meconopsis betonicifolia	B			70D	GA-3 little effect		
Meconopsis betonicifolia alba	B			70D	GA-3 little effect		
Meconopsis betonicifolia pratensis	B			70D	GA-3 deleterious		
Meconopsis cambrica	B			70-40-70			
Meconopsis paniculata	B			70			
Medeola virginiana			2	no germ			
Medicago achinus		1		70D			
Melaleuca diosmafolia		1		70D	GA-3 little effect		
Melaleuca diosmafolia	B			70 GA-3			
Melaleuca diosmafolia			2	70D	:		
Melaleuca huegellii			2	comment			
Melaleuca huegeri		1		D-70	:		
Melaleuca huegeri	B			70D			
Melampodium cinereum	B			70			
Melampyrum lineare	B			70-40			
Melandrium sachilinense	B			70			
Melanoselinum decipiens			2	70 :			
Melasphaerula graminea	B			70-40			
Melia azederach			2	WC 7 d, 70L-40-70L (or DS1-2y 70L)	:		
Melia azederach		1		70 GA-3 40-70	GA-3 minor effect		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Melica ciliata	Bg		D-70				
Melilotus alba			2 comment				
Melilotus alba		1	puncture, 70D				
Melilotus alba	B		puncture, 70				
Melissa officinalis			2 70L				
Melissa officinalis		1	70L	:			
Melocactus amoenus		1c	no germ				
Melocactus bahiensis		1c	no germ				
Melocactus concinnus		1c	70 GA-3				
Melocactus loboguereroi		1c	70 GA-3				
Melocactus oaxacensis		1c	70 GA-3				
Melospermum peleponnesius			2 70D-40-70D	:			
Melospermum peleponnesius		1	70D-40-70D				
Menodora scabra	B		70				
Mentha microphylla		1	70L				
Mentha microphylla	B		70L	GA-3 minor effect?	bypass: L		
Mentha requenii			2 70L	: GA-3 minor effect?	bypass: L		
Mentha sp.		1	70 GA-3	GA-3 ESSENTIAL	almost		
Mentha spicata		1	70L				
Mentha spicata	B		70L				
Mentzelia (Bartonia) aurea		1	70D (L inhibitory)				
Mentzelia aurea			2 70D-40	:			
Mentzelia chrysantha	B		70D				
Mentzelia decapetala	B		40				
Mentzelia lindleyi			2 rotted				
Mentzelia nuda	B		40				
Menyanthes trifoliata		1	70L	??			
Menziesia pillosa		1	70L	GA-3 minor effect	bypass: L		
Merendera pyrenaica	B		70-40				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Merendera sobolifera	B		70-40				
Merendera trigyna	B		70-40				
Merremia tuberosa		1	70D				
Merremia tuberosa			2 70D	:			
Mertensia alpina	B		70L				
Mertensia bakeri	B		40-70				
Mertensia cana	B		70L				
Mertensia lanceolata	B			70			
Mertensia maritima			2	70			
Mertensia maritima		1	extract, 70L	GA-3 minor effect	bypass: L		
Mertensia virginica	B		70-40				
Mesembryanthemum nodiflorum			2	32-75 OS			
Mesperula graminea roscoae			2	70D-40	:		
Meum athamanticum	B			40			
Michauxia tchiharchewii	B		70D	GA-3			
Micranthocereus aurizans		1c		no germ			
Micranthocereus strekerei		1c		70 GA-3			
Micromeria juliana			2	70L	:		
Micromeria juliana		1		70L	GA-3 inhibitory		
Micromeria thymifolia		1		70 GA-3			
Micromeria thymifolia			2	40-70L	:		
Mila fortalezensis		1c		70 GA-3			
Mila pugionofera		1c		70 GA-3			
Milligania densiflora			2	70	:		
Mimosa pudica	B			comment			
Mimulus (calypso hybrids)			2	70D	:		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Mimulus (calypso hybrids)		1	70 "				
Mimulus 'andean nymph	B		40				
Mimulus 'calypso' (hybrids)	B		70				
Mimulus cardinalis	B		70				
Mimulus cusickii			2 70L-40-70L (or OT)				
Mimulus guttatus	B		70 (very low%)	(nt: try?)			
Mimulus lewisii	B		70				
Mimulus luteus	B		70				
Mimulus primuloides	B		70L				
Mimulus puniceus	B		70				
Mimulus ringens		1	70L	GA-3 USEFUL	bypass: L		
Mimulus ringens	B		70D GA-3	GA-3 USEFUL	% germ		
Mimulus rupicola		1	70L	:			
Mina (Quamoclit) lobata		1	70	GA-3 no effect			
Minuartia biflora	B		40				
Minuartia laricifolia	B		70				
Minuartia recurva	B		70				
Minuartia sp.		1	70	:			
Mirabilis jalapa			2 70				
Mirabilis longiflora			2 70D				
Mirabilis multiflora		1	70D	GA-3 no effect			
Miscanthus (hybrids)	Bg		D-70				
Misopates oronticum		1	70L	GA-3 no effect			
Misopates oronticum			2 70L	:			
Mitchella repens	B		40-70-40-70-40-70-40-70				
Mitella diphylla	B		70-40				
Modiola caroliniana		1	70L	GA-3 inhibitory			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Moehringia muscosa			2 empty				
Moltkia petraea		1	40-70D	GA-3 no effect			
Moluccella laevis		1	70D	GA-3 minor effect	% germ		
Moluccella laevis			2 70D				
Momordica rostrata			2 70L	:			
Momordica rostrata		1	70L				
Monarda citriodora			2 70D	:			
Monarda citriodora	B			70			
Monarda didyma	B		70L				
Monarda fistulosa			2 DS 4 y = dead				
Monarda fistulosa		1	70L				
Monarda fistulosa	B		70L	GA-3 minor effect	%, speed germ		
Monarda menthifolia		1		70 :			
Monarda menthifolia			2	70 :			
Monarda punctata			2 DS 4 y = dead				
Monarda punctata		1	70L	GA-3 no effect			
Monardella odoratissima	B		70L				
Montbretia securigera			2 70L	:			
Montia (Claytonia) sibirica		1	70L	GA-3 minor effect	bypass: L		
Montia sibirica			2 DS 2 y = dead				
Montiopsis andicola (Calandrinia tricolor)			2 dead				
Moraea huttonii	B		40-70				
Moraea sp		1	70L				
Morawetzia sericata		1c	70 GA-3				
Moricanda arvensis			2	40			
Moricanda arvensis		1		70 :			
Morina longifolia			2	70 :			
Morina longifolia		1		70 :			
Morocarpus foliosus	B			70			
Morus alba	B		WC 4 d, 70				



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Mosla punctalata			2	rotted			
Musa punctata			2	70			
Musa velutina		1		puncture, 70			
Musa violacea		1		puncture, 70			
Muscari botryoides	B			D-70-40			
Muscarimia ambrosiacum			2	70D	:		
Muscarimia macrocarpum			2	70D-40	:		
Musella lasiocarpa			2	no germ			
Mussaenda roxburghii	B			70L			
Musschia aurea			2	70	:		
Mutisia latifolia			2	40	:		
Mutisia spinosa	B			70 4 w, 40			
Mutisia subulata	B			40-70			
Myoporum debile		1		70D			
Myoporum sp.			2	comment			
Myositidium hortensia			2	40-70D			
Myosotis arvensis			2	50-75			
Myosotis asiatica	B			70			
Myosotis sylvatica	B			70			
Myrica caroliniensis	B			40-70			
Myrica gale		1		70L	GA-3 USEFUL	% germ	
Myrica pennsylvanica	B			dewax, 70-40			
Myrrhis odorata	B			OT	GA-3 no effect		
Myrsine nummularia		1		70-40-70	GA-3 no effect		
Myrtillocactus geometrizans		1c		70 GA-3			
Myrtus communis		1		70D	GA-3 no effect		
Nama hispidum		1		70D	GA-3 no effect		
Nama rothrockii		1		70 GA-3 40	GA-3 ESSENTIAL		
Nandina domestica		1		70L-70D	GA-3 minor effect	bypass: 3m L	
Nandina domestica	B			rotted			
Narcissus (hybrids)	B			70-40			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Nardophyllum obtusifolium			2 rotted				
Narthecium californicum		1	40-70D (or 70L but less %)	GA-3 minor effect	bypass: cold		
Narthecium ossifragum		1	70L-40-70L				
Nasturtium officinale	B		D-70				
Nebelia paleacea			2 chaff				
Nectaroscordum siculum			2 70D-40				
Nectaroscordum siculum		1	dead				
Nelumbo lutea	B		puncture, submerge, 70D				
Nemastylis acuta		1(?)	comment				
Nemastylis acuta	B		comment				
Nemastylis pringlei	B		40-70-40-70				
Nemastylis tenuis	B		70				
Nemesia sp.			2 70L (prev 40 fatal)	:			
Nemesia sp.		1	70L	:			
Nemesia strumosa			2 70 (prev 40 fatal)	:			
Nemesia strumosa		1	70	:			
Nemesia umbonata			2 70 (prev 40 fatal)	:			
Nemesia umbonata		1	70	:			
Nemopanthus mucronatus		1	(70-40-70-40) x 2 + 70				
Nemophila maculata	B		70				
Nemophila menziesii			2 70D	:			
Nemophila menziesii	B		70				
Neobessya missouriensis		1c	WC, 70				
Neobessya missouriensis	B		WC, 70				
Neobuxbaumia tetetzo		1c	70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Neocardenassia herzogiana		1c		no germ			
Neoevansia diguetii		1c		70 GA-3			
Neolloydia conoidea		1c		70 GA-3			
Neoporteria chilensis albidiflora		1c		70 GA-3			
Neoporteria coimasensis		1c		70 GA-3			
Neoporteria curvispina kesselringianus		1c		70 GA-3			
Neoporteria engleri			2c	70 GA-3			
Neoporteria napina miris			2c	70 GA-3			
Neoporteria sp.		1c		70 GA-3			
Neoporteria villosa			2c	70 GA-3			
Neoraimondia roseiflora		1c		70 GA-3			
Neowerdermannia worwerkii		1c		no germ			
Nepeta cataria	B			70L			
Nepeta floccosa	B			40-70			
Nepeta glutinosa	B			40			
Nepeta grandiflora			2	70D	:		
Nepeta nepetalla		1		70L			
Nepeta siasessois			2	70L	:		
Nepeta sp.			2	DS 2 y = dead			
Nepeta subsessilis			2	DS 3 y = dead			
Nerium oleander		1		70D	:		
Nerium oleander	B			70			
Nicandra physalodes			2	comment			
Nicandra physalodes		1		70L	:		
Nicotiana affinis			2	70L			
Nicotiana langsdorfii		1		D-70	:		
Nicotiana sylvestris		1		D-70L	:		
Nicotiana tabacum			2	70	:		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Nicotiana trigonophylla		1	D-70	:			
Nierembergia caerulea			2 60-85	:			
Nigella damascena			2 70D	:			
Nigella damascena		1	70D	:			
Nigella damascena (hybrids)			2 70D	:			
Nigella hispanica			2 70L	:			
Nigella hispanica		1	70L	:			
Nigella orientalis			2 70L	:			
Nigella orientalis		1		70 :			
(Nitraria paradoxa)		1	(puncture; 70D)				
Nivenia stokoei			2 70D-40-70D	GA-3 no effect			
Nolana paradoxa			2 70D	:			
Nolana paradoxa		1	70D	GA-3 minor effect	faster Germ at 40		
Nolana sp.			2 70D	:			
Nolana sp.		1	70L	:			
Nolina parryi			2 70D-40				
Nolina parryi		1	70D-40	GA-3 no effect			
Nomocharis sp.			2 70D				
Nomocharis sp.	B			70			
Notholirion bulbiferum		1	70D	:			
Nothoscordum bonariensis			2 70D-40-70D (germ at each 70)	:			
Nothoscordum inodorum			2 70D-40 (germ at each 40)				
Nothoscordum nerinifolium			2 70D				
Notothlaspi rosulatum		1	70D				
Notothlaspi rosulatum	B		70D				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Nototocactus agnetae		1c		70 GA-3			
Nototocactus ampliostatus		1c		70			
Nototocactus bueneckeri		1c		no germ			
Nototocactus purpureus meugelianus		1c		70 GA-3			
Nototocactus rutilans		1c		no germ			
Nyctanthes arbor-tristis		1		70L	GA-3 minor effect	bypass: L	
Nymphaea tetragona	B			40-70			
Nyssa sinensis	B			OT			
Nyssa sylvatica		1		40-70	GA-3 no effect ?		
Nyssa sylvatica			2	OT	GA-3 minor effect	bypass: cold	
Nyssa sylvatica	B			40-70			
Obregonia denegrii		1c		70 GA-3			
Ochna serrulata		1		no germ			
Ochna sp.			2	comment			
Ocimum basilicum	B			70			
Odontostomum hartwegii			2	70D	:		
Oenothera albicaulis	B			70			
Oenothera argillicola		1		70D (or L)			
Oenothera argillicola	B			70L	GA-3 minor effect		
Oenothera biennis		1		70L	:		
Oenothera biennis	B			70L	GA-3 effect	bypass: L	
Oenothera brachycarpa	B			40			
Oenothera caespitosa		1		70L	GA-3 no effect		
Oenothera caespitosa	B			70L			
Oenothera cheiranthifolia	B			70			
Oenothera cupressus	B			70			
Oenothera fendleri	B			70			
Oenothera glauca	B			70			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Oenothera pallida	B		70				
Oenothera serrulata	B		70				
Oenothera speciosa		1	70D	:			
Oenothera speciosa	B		70				
Oenothera speciosa			2 70D	:			
Oenothera triloba	B		70				
Oenothera xylocarpa	B		70D				
Olea cuspidata			2 40-70D-40				
Olearia sp.		1	chaff				
Olsynium chrysochromum			2 no germ				
Omalotheca (Gnaphalium) supina		1	70L	GA-3 effect	bypass: L		
Omalotheca norvegica			2 70D	:			
Omalotheca norvegica		1	70	: GA-3 no effect			
Omalotheca supina			2 70D	:			
Omphalodes cappadocica			2 70D	:			
Omphalodes linifolia			2 70D	:			
Omphalodes linifolia		1	70	:			
Omphalodes linifolia alba			2 70D	:			
Omphalodes linifolia alba		1	70	:			
Omphalodes luciliae		1	70	:			
Omphalodes luciliae alba			2 70D	:			
Omphalodes sp.		1	70	:			
Ononis natrix		1	puncture, 70				
Ononis rotundifolia			2 puncture, 70D				
Onopordum acanthum			2 70L				
Onopordum nervosa		1	70L				
Onopordum sylvestris		1	70L				
Onosma armenum	B		40				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Onosma nanum	B			70				
Onosma stellulata	B			40				
Onosma taurica	B			40-70				
Onosmodium molle			2	70 GA-3 -40 (or 40 GA-3)	GA-3 USEFUL	bypass: cycling		
Ophiopogon japonicus	B			70D				
Opithandra sp.	B			70				
Opuntia aurea	B			70				
Opuntia basilaris			2c	70 GA-3				
Opuntia basilaris		1c		70 GA-3				
Opuntia basilaris v. woodburyi			2c	70 GA-3				
Opuntia basilaris v. woodburyii		1c		70 GA-3				
Opuntia chisosensis		1c		no germ				
Opuntia clavata		1c		70 GA-3				
Opuntia cyclodes		1c		no germ				
Opuntia engelmannii		1c		no germ				
Opuntia erinacea		1c		70 GA-3				
Opuntia erinacea ursina		1c		70				
Opuntia fragilis		1c		70				
Opuntia gilvescens		1c		no germ				
Opuntia gregoriana		1c		no germ				
Opuntia humifusa			2c	comment				
Opuntia humifusa		1c		WC 7 d, 70 GA-3				
Opuntia humifusa	B			70				
Opuntia imbricata		1c		70 GA-3				
Opuntia imbricata	B			70				
Opuntia joconosiele		1c		70 GA-3				
Opuntia leptocaulis	B			70				
Opuntia macrocentra		1c		no germ				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Opuntia macrorhiza		2c	70 GA-3				
Opuntia nicholii	1c		70-40-70				
Opuntia phaecantha		2c	comment				
Opuntia phaecantha		1c	40-70-40-70				
Opuntia phaecantha	B			70 GA-3 no effect			
Opuntia phaecantha 'oklahoma'		1c	no germ				
Opuntia polycantha	B			70			
Opuntia polycantha (hybrids)		1c	40-70				
Opuntia polycantha 'crystal tide'		1c	70 GA-3				
Opuntia polycantha hystricina		1c	70 GA-3				
Opuntia pottsii		1c	70D-40-70D-70 GA-3 40-70				
Opuntia rhodanthe	B			70			
Opuntia rutila	B			70			
Opuntia sanguinica		1c	no germ				
Opuntia tuna		1c	70 GA-3				
Opuntia tuna	B		WC 7 d, 70D GA-3	GA-3 effect	%; but died		
Opuntia woodsii		1c	no germ				
Oreocereus celsianus		1c	70 GA-3				
Oreocereus hendriksenianus		1c	70 GA-3				
Origanum vulgare		2	50-80				
Origanum vulgare	B			70			
Ornithogalum caudatum	B			70			
Ornithogalum dubium	B		comment				
Ornithogalum maculatum	B		comment				
Ornithogalum nutans	B			40			



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Ornithogalum pyrenaicum		1	40				
Ornithogalum pyrenaicum	B		40	GA-3 deleterious			
Ornithogalum umbellatum	B		40				
Orobanche minor		1	comment				
Orontium aquaticum	B		70				
Orostachys iwarengae		1	70	GA-3 minor effect	bypass L		
Orthrosanthus chimboracensis			2 70L	:			
Orthrosanthus chimboracensis v. centroamericanus		1	70L	GA-3 no effect			
Orychophragmus violacens			2 70 (fresh seed)				
Orychophragmus violacens		1	70L				
Osbeckia stellata	B		70L				
Osmaronia cerasiformis			2 rotted				
Ostrowskia magnifica	B		40				
Ostrya virginiana	B		70D GA-3 40				
Ourisia macrophylla	B		70L				
Ourisia polyantha			2 70L	GA-3 no effect			
Oxalis magellanica	B		40				
Oxalis sp.	B		70				
Oxydendrum arborescens	B		70L				
Oxypetalum caeruleum		1	70				
Oxyria digyna		1	70	GA-3 no effect			
Oxytropis besseyi	B		70	Most Oxytropis best punctured			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Oxytropis cachmerica	B			70				
Oxytropis chankaensis	B			OT				
Oxytropis chiliophylla		1		puncture, 70D	:			
Oxytropis chiliophylla	B			puncture, 70				
Oxytropis chiliophylla			2	puncture, 70				
Oxytropis halleri	B			OT				
Oxytropis humifusa	B			40-70				
Oxytropis lamberti	B			70-40				
Oxytropis megalantha	B			OT				
Oxytropis multiceps	B			70-40				
Oxytropis sericea	B			70				
Oxytropis shokanbetschensis	B			OT				
Oxytropis splendens	B			puncture, 70				
Oxytropis viscida	B			40				
Oxytropis williamsii	B			70				
Pachycereus pectin-aboriginum		1c		70 GA-3				
Pachystegia insignis minor			2	comment				
Pachystegia insignis minor		1		70D	:			
Pachystegia insignis minor	B			40				
Paeonea anomala	B			70-40-70				
Paeonea broteri	B			70-40				
Paeonea brownii	B			40				
Paeonea cambessedii	B			70-40				
Paeonea emodi	B			70-40-70				
Paeonea lutea	B			70-40-70				
Paeonea mlkosewetschii	B			70-40-70				
Paeonea obovata	B			70-40-70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Paeonia officinalis</i>	B			70-40-70	GA-3 minor effect	% germ		
<i>Paeonia suffruticosa</i>	B			70-40-70				
<i>Paeonia vernalis</i>	B			70-40-70-40				
<i>Panax quinquefolium</i>	B			40-70-40-70-OT				
<i>Panax trifolium</i>	B			no germ				
<i>Pancratium maritimum</i>			2	70 :				
<i>Pancratium maritimum</i>		1		70D :				
<i>Pandorea jasminoides</i>			2	70D (fresh seed)				
<i>Pandorea jasminoides</i>		1		70 :				
<i>Panicum violaceum</i>	Bg			D-70				
<i>Panicum virgatum</i>	Bg			D-70				
<i>Paonea broteri</i>		1		70-40-70-40-70-40-70-40-70	GA-3 minor effect	%		
<i>Paonea suffruticosa</i>			2	40-70D (do 70 GA-3 & lf forms at 70)	GA-3 USEFUL	fast, bypass:cold;lf dev		
<i>Paonea suffruticosa</i>		1		(70D germ then 40 for lf dev)	GA-3 effect	dev lf at 70		
<i>Paonea suffruticosa</i>	(B)			70D-40-70D	(GA-3 minor effect)	(% germ)		
<i>Papaver alboroseum</i>	B			70				
<i>Papaver amenum</i>		1		70 GA-3	GA-3 USEFUL	%%		
<i>Papaver atlanticum</i>	B			70				
<i>Papaver degenii</i>			2	70D (cold strat fatal)	:			
<i>Papaver degenii</i>		1		70 (or 70 GA-3)	GA-3 USEFUL	%		
<i>Papaver ecoanense</i>			2	70D (also 40)	:			
<i>Papaver ecoanense</i>		1		70L	GA-3 inhibitory			
<i>Papaver faurei</i>		1		70L				
<i>Papaver julicum</i>		1		70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Papaver kluantense			2 empty				
Papaver kluantense		1	no germ				
Papaver lapponicum	B		40-70				
Papaver miyabeaenum	B			70			
Papaver nudicaule			2 50-85				
Papaver nudicaule	B			70			
Papaver orientale	B			70			
Papaver pilosum		1	70 GA-3 (?)	GA-3 little effect			
Papaver pyrenaicum v. rhaeticum		1	70 GA-3	GA-3 USEFUL	% germ		
Papaver radicum		1	70 GA-3	GA-3 ESSENTIAL	almost		
Papaver ruprifagum	B		D-70				
Papaver sendtueri			2 70L	GA-3 FATAL			
Papaver somniferum		1	70L	GA-3 effect complex	??		
Papaver somniferum	B		D-70				
Papaver tatrae	B			70			
Papaver taticum	B		OT				
Paradisea liliastrum		1	OT	GA-3 minor effect	bypass: OT		
Paradisea liliastrum	B		OT				
Paradisea racemosum		1	comment				
Parahebe linifolia		1	70L	:			
Paraquilegia grandiflora	B		OT	nt; try?			
Paris quadrifolia	B		70-40-70				
Parnassia fimbriata	B		40-70L-40-70L				
Parnassia glauca	B		40-70L				
Parnassia laxmannii	B			70			
Parnassia palustris		1	70 GA-3	GA-3 HELPFUL	%; and bypass: L		
Parnassia palustris	B		70L	GA-3 HELPFUL	%; and bypass: L		
Parochetus communis			2 puncture, 70D				
Parodia amblayensis		1c	70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Parodia aureispina		1c		70 GA-3			
Parodia cabracoraliensis		1c		70 GA-3			
Parodia comarapana		1c		70 GA-3			
Parodia comarapana			2c	70 GA-3			
Parodia laui		1c		70 GA-3			
Parodia mazanensis		1c		no germ			
Parodia microthele			2c	OS 32-75 GA-3 or GA-4			
Parodia microthele		1c		70 GA-3			
Parodia minuta		1c		70 GA-3			
(Paronychia chionaea)	(B)			70			
Paronychia sp.	B			70	GA-3 FATAL		
Parrotia persica	B			40			
Parrotiopsis jacquemontiana	B			70-40-70-40-70			
Parrya menziesii	B			70-40-70			
Parrya schugnana	B			70-40-70			
Parsonia capsularis		1		70D	:		
Parthenocissus quinquifolia	B			WC, 70-40-70			
Parthenocissus tricuspidata	B			WC 7 d, 70			
Passiflora antiquiensis		1		125 4 d, 70			
Passiflora cinnabarina		1		no germ			
Passiflora coccinea		1		no germ			
Passiflora edulis		1		70-40-70 (125 4d, 70)			
Passiflora edulis	B			70-40-70			
Passiflora incarnata	B			40-70			
Passiflora malformis		1		125 4 d, 70			
Passiflora mollissima		1		125 4 d, 70			
Passiflora vitafolia		1		125 4 d, 70			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Patersonia sp.			2 empty				
Patrinia gibbosa		1	70L	GA-3 effect	%; bypass: L		
Patrinia scabiosifolia		1	70L	GA-3 FATAL			
Paulownia tomentosum		1	comment				
Paulownia tomentosum	B		70L				
Pavonia lasiopetala			extract from outer coat, puncture, 70D	:			
Pedicularis rainierensis		1	70 GA-3	GA-3 ESSENTIAL			
Pedicularis rainierensis	B		70D GA-3	GA-3 ESSENTIAL			
Pediocactus peeblesianus		1c	70 GA-3				
Pediocactus simpsoni		1c	70 GA-3				
Pediocactus simpsoni	B			40			
Peganum harmela		1	D-70	:			
Pelargonium (hybrids)			2 scarify, 70D	:			
Pelecypora aselliformis		1c	70 GA-3				
Pelkovia sp.	B		70D	GA-3 FATAL			
Peltiphyllum peltatum		1	70L	: GA-3 FATAL			
Peltoboykinia tellimoides	B		40-70L				
Peniocereus greggii transmontanus		1c	70 GA-3				
Pennisetum alopecuroides	Bg		D-70				
Pennisetum villosum	Bg		D-70				
Penstemon acaulis	B			70			
Penstemon acuminatus	B		40-70				
Penstemon alpinus	B		70 GA-3				
Penstemon ambiguus		1	70D				
Penstemon ambiguus	B			70			
Penstemon angustifolius	B		70-40-70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Penstemon arenicola	B			40-70				
Penstemon barbatus	B			70				
Penstemon brevicaulis	B			70-40-70				
Penstemon caerulea	B			70				
Penstemon caespitosus desertipictus	B			70 GA-3	GA-3 ESSENTIAL			
Penstemon centranthifolius		1		70D				
Penstemon cleburnei	B			40-70				
Penstemon cobaea			2	70 GA-3	GA-3 ESSENTIAL ?	almost		
Penstemon cobaea	B			70				
Penstemon corymbosus		1		70L	GA-3 minor effect	% fresh seed only		
Penstemon crandalli	B			70-40				
Penstemon cyathophorus			2	70 GA-3	GA-3 ESSENTIAL	almost		
Penstemon davidsonii	B			70				
Penstemon digitalis	B			D-70L	GA-3 effect	bypass: L		
Penstemon dolius	B			40				
Penstemon duchesnis	B			40				
Penstemon duchesuensis			2	70D-40				
Penstemon duchesuensis		1		40-70D				
Penstemon eatoni	B			40				
Penstemon eriantherus	B			40-70				
Penstemon flowersii			2	70D-40				
Penstemon flowersii		1		40-70D				
Penstemon flowersii	B			40				
Penstemon francisci- pennellii	B			70-40				
Penstemon frutescens	B			70L				
Penstemon gairdneri ssp. gairdneri	B			40				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Penstemon gairdneri ssp. oreganus	B			40				
Penstemon glaber	B			70				
Penstemon glabrescens	B			40				
Penstemon globosus	B			70L				
Penstemon goodrichii	B			40				
Penstemon gormani	B			70				
Penstemon gracilis	B			OT				
Penstemon grandiflora	B			D-40				
Penstemon hallii	B			70				
Penstemon harbouri			2	70L	:			
Penstemon harbouri		1		70L	:			
Penstemon heterophyllus			2	40	:			
Penstemon heterophyllus		1		70L	:			
Penstemon hirsutus	B			40-70L				
Penstemon hirsutus pygmaea	B			70L				
Penstemon humilis	B			40-70				
Penstemon hyacinthus	B			70				
Penstemon jamesii	B			70				
Penstemon janishae	B			40				
Penstemon johnsoniae	B			70				
Penstemon kunthii	B			40				
Penstemon laricifolius	B			40-70				
Penstemon leiophylla	B			OT				
Penstemon lemhiensis	B			40				
Penstemon lentus	B			40				
Penstemon linearoides	B			40				
Penstemon lyallii			2	70L	:			
Penstemon mensarum			2	70 GA-3	GA-3 USEFUL	bypass: OT		



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Penstemon moffatii	B		40				
Penstemon monoensis			70L-40 (or 40 2 esp for DS seed) :				
Penstemon monoensis		1	40				
Penstemon montanus	B		40-70				
Penstemon montanus ssp. idahoensis			2 OT	GA-3 little effect			
Penstemon mucronatus	B		40				
Penstemon nitidus	B		D-40				
Penstemon ophianthus		1	70D	GA-3 little effect			
Penstemon ophianthus	B		70				
Penstemon osterhouti	B		70				
Penstemon ovatus	B		70				
Penstemon pachyphyllus		1	70 GA-3	GA-3 USEFUL	%; bypass: cold		
Penstemon pachyphyllus	B		70D GA-3				
Penstemon palmeri	B		OT				
Penstemon paysoniorum	B		40-70				
Penstemon peckii	B		OT				
Penstemon pinifolius		1	70 :				
Penstemon pinifolius	B		OT				
Penstemon retroceus			2 40 (fresh seed)				
Penstemon retroceus		1	40				
Penstemon rupicola	B		70				
Penstemon scapoides			2 40-70				
Penstemon scapoides		1	40-70D				
Penstemon 'scarlet queen'			2 70D (fresh seed) :				
Penstemon 'scarlet queen'	B		70				
Penstemon scouleri	B		70				
Penstemon secundiflorus	B		70 GA-3	GA-3 ESSENTIAL	almost		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Penstemon serrulatus	B		OT				
Penstemon smallii	B		40-70L				
Penstemon sp.	B		40				
Penstemon speciosus ssp. kennedyi	B		70D GA-3	GA-3 ESSENTIAL			
Penstemon teucrioides	B		70				
Penstemon tolmei	B		70				
Penstemon uintahensis			2 OT	GA-3 FATAL			
Penstemon uintahensis	B		40-70D				
Penstemon utahensis	B		40				
Penstemon virens	B		D-40-70				
Penstemon whippleanus	B		70				
Penstemon wilcoxii	B		40				
Penstemon wizlizenii	B		40				
Perilla frutescens			2 55-75				
Periploca graeca	B		70-40-70				
Pernettya macrostigma			2 comment				
Pernettya macrostigma		1	70L	GA-3 minor effect	bypass: L		
Pernettya macrostigma	B		70L	GA-3 effect	bypass: L		
Perovskia abrotanoides		1	70D	:			
Perovskia atriplicifolia			2 70D	:			
Perovskia atriplicifolia		1	70	:			
Persea americana	B		WC, suspend base in aqua				
Petalonyx nitidus		1	40-70D				
Petrocoptis glaucifolia	B		70				
Petrocoptis hispanica	B		70				
Petrocoptis pyrenaica	B		70				
Petrophytum caespitosum	B		70				
Petroragia tunica		1	70L	:			
Petrorhagia saxifraga			2 70L				

Species	Documents	Recommended	Doc B GA-3 comments	GA-3 effects		
Petroselinum crispum		2 70D	:			
Petroselinum hortense		2 70D	:			
Petroselinum hortense	B	70	GA-3 inhibitory			
Petunia (hybrids)		2 70D	:			
Phacelia bipinnatifida		2 70 GA-3	GA-3 USEFUL	%%		
Phacelia campanularia	B	40				
Phacelia dubia	B	70-40-OT	GA-3 effect	germ but die		
Phacelia grandiflora	B	70				
Phacelia purshii		1 70D	GA-3 FATAL			
Phacelia sericea	B	70				
Phacelia x 'lavender lady'	B	70	GA-3 no effect			
Phalolepis nigricans		2 70L-40-70L-40-70L				
Phaseolus acutifolius		1 70	: GA-3 no effect			
Phaseolus vulgaris		2 70D	:			
Phellodendron amurense	B	WC 7 d, extract, OT				
Philadelphus coronarius	B	D-70				
Phlomis fruticosa	B	70D				
Phlomis samia		1 70D				
Phlomis tuberosa	B	70				
Phlox adsurgens	B	comment				
Phlox bifida	B	comment				
Phlox diffusa v. longistylis	B	70				
Phlox divaricata	B	70-40-70-40-70				
Phlox drummondii	B	70				
Phlox glaberrima		1 70 GA-3	GA-3 USEFUL	bypass: cold		
Phlox glaberrima	B	D-40-70				
Phlox hoodii	B	40-70	nt: try, epected effect	bypass: cold		
Phlox longifolia	B	40	nt: try, epected effect	bypass: cold		
Phlox multiflora	B	40	nt: try, epected effect	bypass: cold		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Phlox paniculata	B		OT	nt: try, epected effect	bypass: cold		
Phlox pilosa	B		70-40-70-40-70	nt: try, epected effect	bypass: cold		
Phlox pulchra	B		40-70-40-70	nt: try, epected effect	bypass: cold		
Phlox pulvinata	B		40-70	nt: try, epected effect	bypass: cold		
Phlox scleranthifolia	B		comment	nt: try, epected effect	bypass: cold		
Phlox speciosa		1	70-40	nt: try, epected effect	bypass: cold		
Phlox speciosa	B		40-70	nt: try, epected effect	bypass: cold		
Phlox stolonifera	B		comment	nt: try, epected effect	bypass: cold		
Phoenicaulis cheiranthoides			2 40-70D				
Phoenicaulis cheiranthoides		1	70D				
Phoenix dactylifera			2 70D (DS 2y seed) :				
Phoenix dactylifera		1	WC 3 d, 70D				
Phoenix dactylifera	B		WC, 70				
Phoradendron flavescens	B		70L				
Phormium colensoi			2 no germ				
Phormium cookianum			2 70L				
Phormium tenax			2 70L				
Phormium tenax purpureum		1	70L				
Phormium tenax variegatum			2 70D				
Photinia villosa			2 40-70D				
Photinia villosa		1	40-70D	:			
Photinia villosa	B		40-70	GA-3 inhibitory			
Phuopsis stylosa			2 70D	:			
Phygелиus aequalis			2 70L	:			
Phygелиus aequalis		1	70L	:			
Phygелиus capensis			2 70L	:			
Phygелиus capensis		1	70L	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Phyllica pubescens			2 no germ				
Phyllodoce coerulea	B		70				
Phyllodoce nipponica	B		70L				
Phyllostachys pubescens			2 70L	:			
Physalis alkekengi		1	DS 3 y = dead				
Physalis alkekengi	B		WC 7 d, 70D GA-3	GA-3 USEFUL	%; and bypass: L		
Physalis ixocarpa		1	WC 1 d, 70L				
Physalis virginiana	B		WC 5 w, 70L				
Physaria alpina	B		OT				
Physaria newberryi	B		70				
Physocarpus opulifolius	B		D-40-70				
Physoplexis comosum	B		70D GA-3	GA-3 ESSENTIAL	almost		
Physoptychis gnaphlodes		1	70D	:			
Physostegia virginiana alba	B		70				
Phyteuma charmellii	B		70				
Phyteuma haemispherica	B		70				
Phyteuma nigra	B		70				
Phyteuma scheuzeri	B		70				
Phyteuma serratum	B		70D GA-3	GA-3 ESSENTIAL			
Phytolacca americana	B		WC 7 d, D-40-70	GA-3 no effect			
Phytolace dioica		1c	70 GA-3				
Picea abies		1	70D	:			
Picea abies	B		70D	GA-3 inhibitory			
Picea excelsa	B		70				
Picea mariana		1	70D	:			
Picea mariana	B		70	GA-3 no effect			
Picea pungens			2 70 GA-3	GA-3 USEFUL	%		
Picea pungens	B		D-40-70				
Picea rubra	B		40-70	GA-3 no effect			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Pieris formosa			2	70				
Pieris japonica	B			70L				
Pilosella islandica		1		70D	GA-3 no effect			
Pimelea prostrata		1		40-70				
Pimelea prostrata	B			40-70D				
Pimpinella anisum	B			70				
Pinellia ternata	B			40-70				
Pinguicula macroceras	B			70L				
Pinguicula vulgaris		1		40-70L (or 70 GA-3)	GA-3 USEFUL	bypass: cold		
Pinus aristata	B			40-70				
Pinus canadensis	B			40-70				
Pinus caribea	B			40-70				
Pinus cembra	B			40-70				
Pinus cembroides	B			40-70				
Pinus contorta	B			40-70				
Pinus coulteri	B			40-70				
Pinus densiflora	B			40-70				
Pinus echinata	B			40-70				
Pinus elliotii		1		70D	:			
Pinus excelsa	B			40-70				
Pinus flexilis	B			40-70				
Pinus insignis	B			40-70				
Pinus koraiensis	B			40 5 m, 70				
Pinus lambertiana	B			40-70				
Pinus monophylla	B			40-70				
Pinus monticola	B			40-70				
Pinus mugo	B			70				
Pinus palustris	B			40-70				
Pinus parviflora	B			40-70				
Pinus pinea	B			70				
Pinus poderosa	B			40-70				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Pinus pumila</i>	B			40-70				
<i>Pinus radiata</i>	B			40-70				
<i>Pinus resinosa</i>	B			40-70				
<i>Pinus rigida</i>	B			40-70				
<i>Pinus roxburghii</i>	B			70				
<i>Pinus sabiniana</i>	B			40-70				
<i>Pinus strobus</i>	B			70L-40-70D				
<i>Pinus sylvestris</i>	B			70				
<i>Pinus taeda</i>	B			40-70				
<i>Pinus thunbergii</i>	B			40-70				
<i>Pinus torreyana</i>	B			40-70				
<i>Pinus tuberculata</i>	B			40-70				
<i>Pinus virginiana</i>	B			40-70				
<i>Piptanthus nepalensis</i>	B			70				
<i>Pittosporum crassicaule</i>		1		70-40-70-40-70-40-70-40-70-40-70	GA-3 FATAL			
<i>Placeae ornata</i>		1		rotted				
<i>Plantago coronopus</i>			2	70L	:			
<i>Plantago coronopus</i>		1		70L	:			
<i>Plantago lanceolata</i>			2	70L				
<i>Plantago lanceolata</i>		1		70L	:			
<i>Plantago major</i>			2	70L				
<i>Plantago major</i>		1		70L	:			
<i>Plantago maritima</i>		1		70L				
<i>Plantago purshii</i>			2	70L	:			
<i>Plantago purshii</i>		1		70	:			
<i>Plantago serpentina</i>		1		70L	:			
<i>Plantago virginica</i>		1		70L	:			
<i>Platanus occidentalis</i>	B			OT				
<i>Platycodon grandiflora</i>	B			40-70				
<i>Pleiospilos bolusii</i>		1		70L	GA-3 inhibitory ?			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Pleiospilus bolusii			2 70D	:			
Pleuroginella brachyanthera	B		OT				
Pleurospermum brunonis		1	70D				
Plumbago capensis			2 55-85	:			
Plumeria emarginata		1	70D				
Podocarpus nivalis			2 40-70D				
Podocarpus nivalis		1	no germ				
Podophyllum emodi	B (?)		WC 7 d, D-70				
Podophyllum hexandrum	B		WC 7 d, D-70	GA-3 effect	% gem; but died		
Podophyllum peltatum	B		WC 7 d, OT				
Podophyllum pentaphyllum	B		WC 7 d, D-70				
Polanisia dodecandra		1	70D	GA-3 no effect			
Polaskia chichipe		1c	70 GA-3				
Polemonium acutiflorum	B			70			
Polemonium brandegii	B			70			
Polemonium caeruleum			2 comment				
(Polemonium chartaceum)			-2 70 GA-3 - 40)	GA-3 ESSENTIAL	almost		
Polemonium coeruleum	B			70			
Polemonium coeruleum alba		1	70L	:			
Polemonium coeruleum ssp. villosum	B		70D				
Polemonium delicatum	B		D-40				
Polemonium grayanum	B		70L				
Polemonium haydeni	B			70			
Polemonium mellitum	B		70D				
Polemonium pauciflorum			2 comment				
Polemonium pauciflorum	B			70			



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Polemonium pulchellum	B			70				
Polemonium pulcherrimum v. calycinum	B			70L				
Polemonium reptans	B			70-40-70-40	nt: try			
Polemonium vanbruntiae			2	40-70D	:			
Polemonium vanbruntiae	B			40-70L				
Polemonium viscosum	B			70				
Poliomnitha incana		1		70	:			
Polygala brevifolia	B			70-40-70D				
Polygala calcarea	B			70L				
Polygala chamaebuxus	B			70				
Polygala lutea	B			40-70L				
Polygala nuttallii	B			70-40-70				
Polygala paucifolia		1		70D	GA-3 effect	sl %; quicker		
Polygala senega		1		70L-40-70D	GA-3 no effect			
Polygonatum biflorum	B			WC 7 d, OT				
Polygonatum humile		1		70D (germ, then)- 40-70-40-70 (leaf)				
Polygonatum glaberrimum	B			OT				
Polygonatum humile	B			70D				
Polygonum acifolium	B			40-70				
Polygonum acre	B			40-70				
Polygonum amphibium	B			40-70				
Polygonum aviculare	B			40-70				
Polygonum coccineum	B			40-70				
Polygonum cuspidatum	B			70L				
Polygonum hydropiperoides	B			40-70				
Polygonum lapathifolium	B			40-70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Polygonum orientale			2	comment			
Polygonum orientale		1		comment			
Polygonum orientale	B			70	GA-3 no effect		
Polygonum pennsylvanicum	B			40-70			
Polygonum scandens	B			40-70			
Polygonum virginianum	B			40-70			
Polyxena corymbosa			2	70D	:		
Polyxena corymbosa		1		70D	:		
Polyxena ensifolia			2	70D	:		
Polyxena ensifolia		1		70D	:		
Polyxena odorata			2	70D	:		
Polyxena odorata		1		70D	:		
Poncirus trifoliata	B			WC 7 d, 70D			
Pontederia cordata			2	no germ			
Popoviolimon turkominicum	B			40			
Populus gradidentata	B			70			
Populus tremuloides	B			70			
Porophyllum rudicale		1		D-70	:		
Portulaca grandiflora			2	70D	:		
Portulaca mundula			2	GA-4 32-75 OS	GA-4 needed		
Portulaca mundula		1		70 GA-3	GA-3 USEFUL		
Potentilla argyrophylla	B			70D	GA-3 no effect		
Potentilla atosanguinea	B			70L	GA-3 minor effect	bypass: L	
Potentilla crantzii	B			70D	GA-3 no effect		
Potentilla cuneata	B			70D	GA-3 minor effect	bypass: L	
Potentilla eriocarpa	B			70D	GA-3 no effect		
Potentilla fruticosa	B			70D	GA-3 no effect		
Potentilla megalantha	B			70L	GA-3 minor effect	bypass: L	
Potentilla nuttallii	B			70D	GA-3 no effect		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Potentilla recta			2 70L	GA-3 minor effect	for fresh seed only		
Potentilla recta		1	70L (DS 6mo seed)	GA-3 effect	for fresh seed 70		
Potentilla recta	B		70D GA-3	GA-3 ESSENTIAL	almost		
Potentilla rupestris	B		70L	GA-3 effect	bypass: L		
Potentilla rupestris			2 70L				
Potentilla salesoviana	B		70D	GA-3 no effect			
Prasophyllum colensoi			2 no germ				
Pratia angulata			2 70L	:			
Primula algida	B			70 :			
Primula alpicola	B			70 :			
Primula alpicola violacea	B			70 :			
Primula anisodora	B			70 nt: try			
Primula apoclita	B			70 :			
Primula aurantiaca	B			70 nt: try			
Primula auricula	B		70 (slow)	nt: try			
Primula auriculata	B			70			
Primula beesiana	B			70 nt: try if no germ at 70			
Primula bulleyana			2 DS 5 y = dead				
Primula bulleyana	B			70 :			
Primula burmanica	B			70 :			
Primula buryana	B		70L	:			
Primula calycina	B		70 (slow)	nt: try			
Primula capitata	B			70 :			
Primula chionantha	B			70 :			
Primula chungensis	B			70 nt: try			
Primula clusiana	B		70 (slow)	nt: try			
Primula cockburniana	B		40-70	nt: try			
Primula cortusoides	B		40-70	:			
Primula cuneifolia	B			70 :			
Primula darialica	B			70 :			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Primula denticulata	B		40-70	:			
Primula dowensis		1		70 GA-3 no effect			
Primula elatior	B		70-40-70	nt: try if no germ at 70			
Primula elliptica	B			70 :			
Primula ellisiae	B			70 :			
Primula erosa	B			70 :			
Primula farinosa	B			70 :			
Primula firmipes	B			70 :			
Primula flexuosa	B			40 nt: try if no germ			
Primula florindae			2 DS 3 y = dead				
Primula florindae	B		70L	:			
Primula forrestii			2 DS 7 y = dead				
Primula forrestii		1	comment (40 has no effect)				
Primula forrestii	B		70L	GA-3 no effect			
Primula frondosa			2 DS 6 y = dead				
Primula frondosa	B			70 nt: try			
Primula gambeliana	B			70 :			
Primula geraniifolia	B		70-40-70	nt: try			
Primula glutinosa	B		70 (slow)	nt: try			
Primula halleri	B			70 :			
Primula helodoxa	B			70 nt: try			
Primula heucherifolia	B			70 :			
Primula iljinski	B		70L	:			
Primula integrifolia	B		70 (slow)	nt: try			
Primula intercedens	B		40-70				
Primula involucrata	B			70 :			
Primula ioessa	B			70 :			
Primula japonica	B		40-70	GA-3 USEFUL	bypass: cycling		
Primula juliae	B			70 nt: try if no germ at 70			
Primula kaufmanniana	B			70 :			
Primula kisoana		1	DS 2 y = dead				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Primula kisoana	B		(D)70L	GA-3 effect	for fresh seed		
Primula laurentiana	B		70	:			
Primula luteola	B		70	:			
Primula macrophylla	B		no germ	nt: try			
Primula maguerei	B		70	:			
Primula malacoides		2	60L-75L	:			
Primula malacoides	B		70				
Primula marginata	B		70 (slow)	nt: try			
Primula melanops	B		70	:			
Primula minima	B		70 (slow)	nt: try			
Primula minutissima	B		70	:			
Primula modesta	B		OT (or 70)	nt: try			
Primula muscarioides	B		70	:			
Primula nevadensis		2	70D	:			
Primula nevadensis		1	70D (40 has no effect)	:			
Primula nutans	B		70	:			
Primula obconica	B		70	:			
Primula pamirica	B		D-70	:			
Primula parryi	B		40-70	nt: try			
Primula poissoni	B		70	nt: try			
Primula polyneura		2	DS 6 y = dead				
Primula polyneura	B		70	:			
Primula prolifera	B		70	nt: try			
Primula pulverulenta	B		70				
Primula pulvurea	B		70L	nt: try			
Primula reidii	B		70	:			
Primula reticulata	B		70	:			
Primula rosea	B		70 (fresh seed)	:			
Primula rotundifolia		1	comment (40 is fatal)	:			
Primula rotundifolia	B		70L	: GA-3 USEFUL	%; and bypass L		

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Primula rusbyi	B			70	:			
Primula scandinavica	B			70	:			
Primula scotica	B			70	:			
Primula secundiflora	B			70	:			
Primula serratifolia	B			70	nt: try			
Primula sieboldi	B			70D GA-3 (fresh seed)	GA-3 USEFUL	%; and bypass: cycling		
Primula sikkimensis	B			70	:			
Primula sinoplantaginea	B			70	:			
Primula sinopurpurea	B			70	:			
Primula spectabilis	B			70-40-70	nt: try			
Primula specuicola			2	40-70D	:			
Primula specuicola		1		40-70D				
Primula stuartii	B			70	:			
Primula suffrutescens	B			70	:			
Primula tschuktschorum	B			70	:			
Primula veris	B			70D	:			
Primula vernaes (hybrids)	B			40 (or;70)GA-3	GA-3 USEFUL	bypass: cold		
Primula verticillata	B			70L	GA-3 effect	bypass: L		
Primula vialli	B			70	:			
Primula violacea	B			70-40-70	nt: try			
Primula viscosa	B			70 (slow)	nt: try			
Primula waltoni	B			70	:			
Primula warshenewskiana	B			70	:			
Primula wilsoni	B			70	nt: try			
Primula yargongensis	B			70	:			
Prinsepia sinensis	B			WC 14 d, crack, 70				
Protea longifolia			2	rotted				
Protea mundii			2	rotted				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Protea repens		2	40	GA-3 no effect			
Prunella vulgaris		1	70L	:			
Prunella webbiana	B		70				
Prunus allegheniensis	B		WC 7 d, OT				
Prunus armenaica		1	extract, WC, 70	:			
Prunus armenaica	B		WC 7 d, extract, 70				
Prunus avium v. juliana	B		WC 7 d, 70-40-70-70-40-70				
Prunus 'bing cherry'		2	crack, 70D-40-70D				
Prunus communis		1	extract, OT				
Prunus 'golden beauty'		2	40-70D-40-70D				
Prunus 'golden beauty'		1	extract, 40				
Prunus serotina	B		WC 7 d, 40-70-40-70				
Prunus serrulata	B		WC 7 d, 70-40-70-40-70-40-70-40				
Prunus sp.		1	40-70-40-70	GA-3 no effect			
Psathyrotes pilifera		1	40				
Pseudomertensia nemorosa	B		70				
Pseudomuscari azureum		2	40	:			
Pseudomuscari azureum album		2	40	:			
Pseudotaenidia montana	B		70				
Pseudotsuga menziesii	B		70D				
Psidium guajava		2	70D	: GA-3 no effect			
Psychotria nervosa		2	70D				
Psychotria nervosa		1	70	GA-3 inhibitory			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Psychrogeton andryaloides	B			70				
Ptelea isophylla	B			40-70				
Ptelea trifoliata			2	comment				
Ptelea trifoliata		1		70 GA-3	GA-3 ESSENTIAL	almost		
Ptelea trifoliata	B			40-70				
Pterocephalus perennis		1		70D	:			
Pterostyrax hispidus		1		70 GA-3	GA-3 USEFUL	%; and bypass L		
Ptilotrichum coccineum		1		70D	"			
Ptilotrichum macrocarpum	B	-1		40 (70D)	"			
Ptilotrichum spinosum		1		empty				
Pueraria lobota		1		comment				
Pulsatilla alba			2	rotted				
Pulsatilla albana	B			70				
Pulsatilla ambigua	B			OT				
Pulsatilla bungeana	B			OT				
Pulsatilla campanella	B			70				
Pulsatilla grandis			2	70D				
Pulsatilla grandis	B			OT				
Pulsatilla montana			2	rotted				
Pulsatilla occidentalis	B			OT				
Pulsatilla patens	B			70				
Pulsatilla pratensis	B			OT				
Pulsatilla sulphurea	B			OT				
Pulsatilla turczaminovii	B			70D				
Pulsatilla vernalis	B			OT				
Pulsatilla vulgaris	B			70				
Pulsatilla vulgaris v. zimmermannii	B			70D				
Pulsatilla wallichianum	B			70				



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Punica granatum			2 scrape, WC 7 d, 70D				
Punica granatum		1	scrape, WC 7 d, 70D				
Punica granatum	B		comment				
Purshia mexicana v. stansburyana		1	70L	GA-3 inhibitory			
Purshia tridentata		1		40 GA-3 effect	bypass: cold		
Puschkinia scilloides	B		70-40				
Putoria calabrica			2 70L-40-70L-40- 70L				
Pycnanthemum incanum		1	D-70L				
Pycnanthemum incanum	B		70D GA-3	GA-3 USEFUL	%; and bypass L		
Pyracantha lalandi	B			70			
Pyrola minor		1	no germ	GA-3 no effect ?			
Pyrosia serpens			2 empty				
Pyrrhocactus bulbocalyx		1c	70 GA-3				
Pyrrhocactus sanjuanensis		1c	70 GA-3				
Pyrrhocactus umadeave		1c	70 GA-3				
Pyrus 'buerre bosc'		1		40			
Pyrus calleriana		1	WC 7 d, 40				
Pyrus calleryana			2	40 :			
Pyrus calleryana	B			40			
Pyrus 'kieffer'		1	40-70				
Pyrus pyrifolia			2 70D-40-70D-40- 70D				
Pyxidantha barbulata	B			70			
Quercus alba		1		70			
Quercus alba	B			70			
Quercus borealis		1	40-70				
Quercus borealis	B		40-70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Quercus coccinea		1	40-70				
Quercus coccinea	B		40-70				
Quercus macrocarpa	B		40-70				
Quercus phellos	B		70-40-70				
Quercus velutina	B		40-70				
Quercus virginiana		1	70				
Ramonda myconi	B		D-40-70	nt: try			
Ranunculus acris	B		40-70				
Ranunculus adoneus	B		70L				
Ranunculus asiaticus		1	70	GA-3 FATAL			
Ranunculus bulbosus		1	70L	GA-3 inhibitory			
Ranunculus glacialis		1	70 GA-3	GA-3 ESSENTIAL			
Ranunculus gramineus	B		40-70-40	GA-3 FATAL			
Ranunculus hispidulus	B		70-40-70-40				
Ranunculus illyricus	B		70D-40	GA-3 no effect			
Ranunculus lyallii		1	DS 2 y = dead				
Ranunculus lyallii	B		70 GA-3	GA-3 ESSENTIAL			
Ranunculus repens	B		70L-40-70L-40-70L				
Ranunculus semiverticillatus			2 no germ (alive?)	GA-3 no effect ?			
Ranunculus sp.	B		70				
Raphanus sativus			2 70D	:			
Rathbunia alamosensis		1c	70 GA-3				
Ratibida (hybrids)			2 70D	:			
Ratibida columnifera		1	70D	:			
Ratibida columnifera	B		70				
Ratibida columnifera			2 70D	:			
Rauheocereus riosaniensis		1c	70 GA-3				
Rebutia (hybrids)		1c	70				
Rebutia (hybrids)	B		70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Rebutia marsoneri		1c		70 GA-3			
Rebutia narvaecensis		1c		70 GA-3			
Rehmannia elata			2	70D	:		
Rehmannia elata		1		70L	: GA-3 FATAL		
Reseda odorata			2	70D			
Reseda odorata grandiflora		1		70D	:		
Rhamnus caroliniana	B			WC, 40-70			
Rhamnus cathartica	B			WC, 70			
Rhamnus fallax	B			WC, 70D	GA-3 no effect		
Rheum altaicum	B			70			
Rheum ribes	B			70			
Rheum tibeticum	B			70			
Rhexia mariana	B			70L			
Rhexia virginiana	B			40-70L			
Rhinanthus minor		1		OT (poor; need host?)	GA-3 no effect		
Rhinephyllum broomii		1		70L	GA-3 no effect		
Rhinephyllum broomii			2	70	:		
Rhinopetalum bucharica	B			OT			
Rhinopetalum stenantharium	B			OT			
Rhipsalis baccifera		1c		no germ			
Rhodiola atropurpurea	B			70L			
Rhodiola heterodonta	B			40-70			
Rhodiola sp.	B			70			
Rhodochiton atrosanguineum		1		70	:		
Rhododendron (hybrids)			2	70L			
Rhododendron anthopogon	B			70L			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Rhododendron catawbiense (hybrids)	B			70L				
Rhododendron lepidotum	B			70L				
Rhododendron maximum	B			70				
Rhododendron mollis (hybrids)	B			70				
Rhododendron schlippenbachii	B			70				
Rhododendron sp.	B			70L				
Rhodolirion montanum	B			40				
Rhodophiala advena	B			70				
Rhodophiala andicola		1		40				
Rhodophiala andicola	B			40				
Rhodophiala araucana	B			40				
Rhodophiala elwesii		1		40				
Rhodophiala elwesii	B			40				
Rhodophiala montanum		1		40				
Rhodophiala pratensis	B			40				
Rhodophiala sp.		1		40				
Rhodophiala sp.	B			40				
Rhodotypos tetrapetala	B			70-40-70-40				
Rhus canadensis	B			40-70-40-70				
Rhus trilobata	B			comment				
Rhus typhina	B			puncture, 70				
Ribes americana	B			WC 7 d, OT				
Ribes cereum	B			WC 7 d, GA-3, OT	GA-3 USEFUL	1/10 concentration		
Ribes grossularia	B			WC 7 d, OT				
Ribes hirtellum			2	40-70				
Ribes lacustre		1		OT	GA-3 vminor effect	low %, but bypass OT		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Ribes lobbii	B		WC 7 d, OT	GA-3 no effect			
Rivina humilis			2 70L	:			
Robinia pseudoacacia	B		puncture, 70				
Rodgersia pinnata	B		70				
Rodgersia pinnata alba	B		70				
Rodgersia pinnata superba	B		70				
Rodgersia sambucifolia	B		70				
Rodgersia tabularis	B		70-40				
Romanzoffia sitchensis	B		70L				
Romneya coulteri		1	comment (DS helps; cold fatal)	GA-3 ESSENTIAL			
Romneya coulteri	B		70D GA-3	GA-3 ESSENTIAL			
Romneya trichocalyx		2	DS 6 m + GA-3	GA-3 ESSENTIAL			
Romneya trichocalyx		1	70 GA-3 40				
Romulea bulbocodium	B		40				
Romulea hantamensis	B		comment				
Romulea luthicii	B		40				
Rorippa islandica		1	70L	GA-3 effect	bypass: L		
Rosa (hybrids)	B		WC 7 d, 40-70-40				
Rosa alba 'suaveolens'		2	70D-40-70D-40-70D				
Rosa amurensis	B		WC 7 d, OT				
Rosa avchurensis	B		WC 7 d, 70-40-70-40-70				
Rosa canina		2	70D-40-70D-40-70D				
Rosa canina		1	70-40-70-40-70-40-70-40-70-40-70	GA-3 no effect			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Rosa carolina		1		40-70-40-70-40-70	GA-3 no effect			
Rosa 'dornroschen'			2	70D-40-70D-40-70D				
Rosa eglanteria			2	70D-40-70D-40-70D				
Rosa gallica 'tuscanysuperba'			2	70D-40-70D-40-70D				
Rosa multiflora	B			WC 7 d, 40-70-40-70				
Rosa palustris			2	70D-40-70D				
Rosa palustris		1		40-70-40-70-40-70	GA-3 no effect			
Rosa paulii rosea			2	70D-40-70D-40-70D-40-70D				
Rosa rubrifolia			2	no germ				
Rosa 'sheilers provence'			2	70D-40-70D-40-70D				
Rosa sp. 'south dakota'			2	70D-40-70D-40-70D				
Rosa virginiana	B			WC 7 d, 70D-40-70D				
Rosa webbiana	B			WC 7 d, OT				
Rosa x 'sheilers provence'		1		70-40-70	GA-3 no effect			
Roscoea alpina			2	70D				
Roscoea alpina	B			40-70 (or 70)				
Rosmarinus officinalis	B			70				
Rosularia pallida		1		70L	: GA-3 inhibitory			
Rosularia sempervivum		1		70	:			
Roystonea regia			2	DS 2 y = dead				
Roystonea regia		1		40-70D				
Rubus argutus		1		D-OT	GA-3 no effect			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Rubus argutus	B			40-70				
Rubus argutus			2	DS 6 m, OT				
Rubus occidentalis	B			WC 7 d, DS 6 m, 40-OT	GA-3 no effect			
Rubus odoratus	B			70L	GA-3 no effect?			
Rubus parviflorus	B			70 GA-3	GA-3 USEFUL	% germ		
Rudbeckia (hybrids)			2	70D	:			
Rudbeckia fulgida		1		82-90				
Rudbeckia hirta (hybrids)	B			70				
Rudbeckia occidentalis			2	70D	:			
Rudbeckia x 'goldsturm'		1		82-90				
Ruellia humilis	B			40 14(wks) (or)d- 70 (GA-3)	GA-3 USEFUL	bypass: cold		
Rumex acetosa			2	70D	:			
Rumex acetosa		1		70	: GA-3 no effect			
Rumex acetosella			2	70L	:			
Rumex acetosella		1		70D	: GA-3 no effect			
Rumex alpinus			2	70D	:			
Rumex alpinus		1		70L	: GA-3 inhibitory			
Rumex crispus			2	70L	:			
Rumex crispus		1		70L	: GA-3 inhibitory			
Rumex longifolius		1		70D	:			
Rumex obtusifolius			2	70L	:			
Rumex obtusifolius		1		70L	:			
Rumex obtusifolius	B			70L	GA-3 effect	bypass: L		
Rumex patientia			2	70L	:			
Rumex patientia		1		70L	: GA-3 inhibitory			
Rumex scutatus			2	70L	:			
Rumex scutatus		1		70L	GA-3 no effect			
Rumex venosus		1		40 (or: 70 GA-3)	GA-3 USEFUL	bypass: cold		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Rupicapnos africana			2	70 GA-3 - 40	GA-3 USEFUL	%	
Ruta corsica			2	70D	:		
Ruta graveolens		1		70D	:		
Ruta graveolens			2	70D	:		
Sabal minor	B			40-70			
Sabal palmetto			2	70D	:		
Sabal palmetto		1		puncture, 70D			
Sabatia kennedyana	B			70-40-70			
Sagina procumbens		1		70L	GA-3 no effect		
Sagina selaginoides			2	70L	:		
Sagina selaginoides		1		70L			
Sagittaria latifolia			2	70L			
Saintpaulia ionantha			2	65L-80L			
Salix artica		1		70, DS 3 w = dead, MS@40 12 w = OK	GA-3 no effect		
Salix calcicola		1		dead			
Salix cascadenis	B			40-70L			
Salix herbacea		1		70, DS 3 w = dead, MS@40 12 w = OK	GA-3 no effect		
Salix lanata		1		70, DS 3 w = dead, MS@40 12 w = OK	GA-3 no effect		
Salix phylicifolia		1		70, DS 3 w = dead, MS@40 12 w = OK	GA-3 no effect		
Salpiglosis (hybrids)	B			70	GA-3 no effect		
Salpiglossis sinuata			2	70D	:		
Salvia argentea	B			70L			
Salvia candidissima	B			70L			
Salvia cyanescens			2	70 GA-3	GA-3 ESSENTIAL		



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Salvia cyanescens	B			70L				
Salvia dumetorum	B				70			
Salvia fulgens			2	70D				
Salvia glutinosa	B			70L				
Salvia hians	B			70L				
Salvia hispanica		1			70 :			
Salvia huberi	B			OT				
Salvia moorcroftiana	B			D-70				
Salvia officinalis	B				70			
Salvia pratensis		1			70 :			
Salvia repens	B				70			
Salvia sclarea	B			70L				
Salvia sclarea 'turkestanica'			2	70D	:			
Salvia superba			2	70D				
Salvia verticillata			2	DS 3 y = dead				
Sambucus canadensis		1		70 GA-3	GA-3 ESSENTIAL			
Sambucus canadensis	B			WC 7 d, 70D GA-3	GA-3 ESSENTIAL			
Sambucus nigra		1		70-40-70	GA-3 no effect ??			
Sambucus pubens		1		70 GA-3	GA-3 ESSENTIAL			
Sambucus pubens	B			no germ	nt: try			
Sambucus racemosa	B			WC 7 d, 70D-40-70 (GA-3)	GA-3 ESSENTIAL			
Sandersonia aurantiaca			2	OT	??			
Sandersonia aurantiaca		1		OT	GA-3 no effect			
Sandersonia aurantiaca	B			70L				
Sanguinaria canadensis		1		OT	GA-3 minor effect	complex		
Sanguinaria canadensis	B			OT				
Sanguisorba minor			2	70D	:			
Sanguisorba minor		1		70D	:			
Sanguisorba minor	B				70			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Sanguisorba officinalis	B		70L				
Sanicula arctopoides		1	OT	GA-3 minor effect	bypass: L		
Santolina pectinata			2 70D	:			
Sapindus saponaria v. drummondii		1	no germ				
Sapium sebeferum		1	70 GA-3 40	GA-3 ESSENTIAL	almost		
Saponaria caespitosa	B		D-40				
Saponaria chlorifolia		1	70 GA-3	GA-3 ESSENTIAL	almost		
Saponaria ocymoides			2 70D	:			
Saponaria ocymoides		1	70L				
Sarcococca saligna	B		WC, 70				
Sarcoporum spinosum		1	70 GA-3	GA-3 ESSENTIAL			
Sarracenia alabamensis		1	40-70L				
Sarracenia alabamensis	B		40-70L	GA-3 effect	bypass: L		
Sarracenia flava	B		40-70L	GA-3 effect	bypass: L		
Sarracenia purpurea	B		40-70L	GA-3 effect	bypass: L		
Sarracenia sp.	B		40-70L				
Sassafras varifolium			2 OT	:			
Sassafras varifolium		1	no germ				
Sassafras varifolium	B		no germ				
Satureja discolor	B			70			
Satureja hortensis	B			70			
Satureja vulgaris	B		70L	GA-3 effect	bypass: L		
Sauromatum venosum		1		70 GA-3 no effect			
Saxifraga aff. nanella	B		70L	nt: try			
Saxifraga aizoides		1	70-40-70				
Saxifraga caesia	B		70D	nt: try			
Saxifraga caespitosa		1	70 GA-3	GA-3 HELPFUL	%%		
Saxifraga chrysantha			2 70L-40-70L				
Saxifraga cotyledon		1	70L				
Saxifraga flagellaris	B		70-40-70	nt: try			
Saxifraga hirculus	B			40 nt: try			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Saxifraga hostii</i>	B		OT	nt: try			
<i>Saxifraga latiopetalaata</i>	B		70	nt: try			
<i>Saxifraga nivalis</i>		1	70L (or, 70 GA-3)	GA-3 HELPFUL	%		
<i>Saxifraga oppositifolia</i>		1	70L-40-70L	GA-3 minor effect	%		
<i>Saxifraga oppositifolia</i>	B		70D GA-3	GA-3 HELPFUL	%; bypass: L; weak		
<i>Saxifraga paniculata</i>	B		70	:			
<i>Saxifraga sp.</i>	B		70L				
<i>Saxifraga spinulosa</i>	B		70L	:			
<i>Saxifraga stellaris</i>		1	70 GA-3 (or; 70D-40-70D)				
<i>Saxifraga tricuspidata</i>	B		70	:			
<i>Scabiosa atropurpurea</i>			2 55-85				
<i>Scabiosa caucasica</i>	B		70				
<i>Scabiosa farinosa</i>			2 DS 5 y = dead				
<i>Scabiosa ochroleuca</i>		1	70	:			
<i>Scabiosa vestita</i>		1	70L				
<i>Schisandra chinensis</i>	B		40-70				
<i>Schivereckia doerfleri</i>			2 40	:			
<i>Schivereckia doerfleri</i>		1	70D	:			
<i>Schivereckia monticola</i>			2 70D	:			
<i>Schizanthus (disco hybrids)</i>	B		70	: GA-3 FATAL			
<i>Schizanthus (hybrids)</i>			2 70	:			
<i>Schizanthus grahamii</i>	B		70D (Light inhibitory)				
<i>Schizanthus hookeri</i>	B		70D (Light inhibitory)				
<i>Schizopetalon walkeri</i>			2 70	:			
<i>Schizopetalon walkeri</i>		1	70D	:			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Schizophragma integrifolium			2	70L	:			
Schlumbergera truncata		1c		70 GA-3				
Schoenolirion bracteosa	B			40				
Sciadopitys verticillata	B			70				
Scilla bifolia	B			DS, 40-70-40				
Scilla campanulata	B			70-40				
Scilla chinensis			2	70D				
Scilla chinensis		1		70L	GA-3 sl inhibitory			
Scilla hispanica	B			40				
Scilla natalensis	B			comment				
Scilla rosenii	B			40-70-40				
Scilla scilloides	B			70				
Scilla sibirica	B			70-40				
Scilla tubergeniana	B			70-40				
Scirpus holoschoenus			2	70L	:			
Scirpus holoschoenus		1		70L	GA-3 inhibitory			
Scleranthus biflorus			2	40-70D-40-70D				
Scleranthus uniflorus			2	70D	:			
Sclerocactus glaucus		1c		70 GA-3				
Sclerocactus nevadensis		1c		70 GA-3				
Sclerocactus parviflorus		1c		no germ				
Sclerocactus pubispinus		1c		70 GA-3				
Sclerocactus spinosior		1c		no germ				
Sclerocactus whipplei v. roseus		1c		70 GA-3				
Scoliopus bigelovii	B			70-40				
Scrophularia lanceolata		1		70 GA-3 (or; OT)	GA-3 HELPFUL	%; and bypass OT		
Scrophularia nodosa			2	comment				
Scrophularia nodosa		1		70L	GA-3 minor effect	bypass: L		
Scutellaria adeniostegia	B			70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Scutellaria baicalensis		1	D-70				
Scutellaria elliptica		1	empty				
Scutellaria haematochlora	B		70				
Scutellaria integrifolia		1	70L	GA-3 minor effect ??	bypass: L ??		
Scutellaria integrifolia			2 DS 2 y = dead				
Scutellaria intermedia	B		70				
Scutellaria laterifolia		1	D-70	:			
Scutellaria microdasys	B		70				
Scutellaria novae-zealandiae		1	70D-40-70				
Scutellaria novae-zealandiae	B		70D				
Scutellaria ovata		1	empty				
Scutellaria pontica	B		70				
Scutellaria resinosa			2 70D	GA-3 FATAL			
Scutellaria rubicunda	B		70				
Scutellaria subcaespitosa	B		70				
Securinega suffruticosa	B		70				
Sedum kamschaticum	B		70				
Sedum lanceolatum	B		70				
Sedum pilosum		1	70L	GA-3 minor effect	bypass: L		
Sedum pilosum	B		70L				
Sedum pulchellum	B		70L				
Sedum spectabile	B		70				
Sedum stelleforme	B		70	GA-3 no effect			
Sedum subulatum	B		70				
Sedum telephioides	B		70D GA-3				
Sedum villosum		1	no germ				
Selenomeles lechleri			2 70D-40-70D				
Selinus tenuifolium	B		70-40-70				
Semiaquilegia elcalcarata			2 70 GA-3	GA-3 ESSENTIAL	almost		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Sempervivum sp.	B		70L				
Senecio abrotanifolius		1	no germ				
Senecio abrotanifolius v. tirolensis		1	70				
Senecio aureus		1	70L	:			
Senecio cruentus			2 55-85				
Senecio harbouri	B		70D				
Senecio holmii	B		70D				
Senecio nudicaulis	B		70				
Sequoia gigantea	B		40-70				
Sequoiadendron giganteum		1	40-70D				
Sequoiadendron giganteum	B		70D	GA-3 no effect			
Serenoa repens		1	70D				
Sesamum orientale			2 70D	:			
Sesamum orientale		1	70				
Sesbania tripetii			2 puncture, 70				
Sesbania tripetii		1	puncture, 70				
Sesbania triquetri		1	puncture, 70				
Seseli gummiferum			2 70	:			
Setaria glauca	Bg		70-40-70				
Setaria italica		1	70	GA-3 no effect			
Seticereus icosagonus		1c	70 GA-3				
Shepherdia canadensis		1	70L-40-70D	GA-3 little effect			
Shortia galacifolia	B		70L + (? 70D GA-3)	GA-3 ESSENTIAL			
Shortia soldanelloides		1	70D (v ephemeral)	GA-3 no effect??			
Shoshonea pulvinata		1	70D-40	GA-3 inhibitory			
Sibbaldia procumbens		1	D-70L				
Sibbaldia procumbens	B		70L	GA-3 effect	bypass: L		

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Sicyos angularis	B		WC 2 w, OT				
Sideritis hyssopifolia	B		70				
Silene acaulis	B		70 :				
Silene agraea	B		40-70				
Silene armeria	B		70L				
Silene californica		1	70 :				
Silene californica	B		70 :				
Silene californica		2	70 :				
Silene caroliniana		2	70 :				
Silene caroliniana		1	70 :				
Silene caroliniana	B		OT				
Silene ciliata	B		70 :				
Silene colorata		2	70 :				
Silene colorata		1	70 :				
Silene compacta	B		70 :				
Silene delavayi		1	70 :	GA-3 Detrimental			
Silene dioica	B		70-40-70				
Silene douglasii	B		70 :				
Silene elizabethae	B		70 :				
Silene gallica		2	comment	:			
Silene gallica		1	70L	:			
Silene guntensis	B		70 :				
Silene hookeri	B		70 :				
Silene keiskii	B		70 :				
Silene laciniata		1	70D	:	GA-3 little effect		
Silene laciniata	B		70D				
Silene nutans	B		70 :				
Silene pendula	B		70D				
Silene pennsylvanica	B		OT				
Silene polypetala	B		70				
Silene pusilla	B		70 :				
Silene regia	B		70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Silene ruprechti</i>	B		70-40-70				
<i>Silene saxatilis</i>	B		70	:			
<i>Silene saxifraga</i>	B		70	:			
<i>Silene schafta</i>			2 DS 6 y = dead				
<i>Silene schafta</i>	B		70-40				
<i>Silene sp.</i>	B		70-40-70				
<i>Silene uniflora</i>		1	70 GA-3	GA-3 HELPFUL	%%%		
<i>Silene uniflora</i>			2 DS 2 y = dead				
<i>Silene vallesia</i>	B		70	:			
<i>Silene virginica</i>	B		70-40-70-40-70				
<i>Silybum marianum</i>		1	D-70	:			
<i>Sinningia speciosa</i>			2 65L-85L				
<i>Sisyrinchium angustifolium</i>	B		70L	GA-3 no effect			
<i>Sisyrinchium bellum</i>	B		OT				
<i>Sisyrinchium campestre</i>	B		OT	GA-3 no effect			
<i>Sisyrinchium demissum album</i>	B		40-70L	GA-3 inhibitory			
<i>Sisyrinchium inflatum</i>		1	40	:			
<i>Sisyrinchium inflatum</i>	B		40				
<i>Sisyrinchium laetum</i>			2 no germ	nt: try			
<i>Sisyrinchium littorale</i>			2 70D-40	GA-3 no effect			
<i>Sisyrinchium mulcronatum</i>	B		OT	GA-3 inhibitory?			
<i>Skimmia japonica</i>	B		WC, 40				
<i>Smilacina racemosa</i>	B		DS, 40-70	GA-3 inhibitory			
<i>Smilax ecirrhata</i>	B		DS, 70-40-70-40-OT	GA-3 no effect			
<i>Smilax ferox</i>	B		70L				
<i>Smyrniium perfoliatum</i>		1	70L-40-70	GA-3 no effect?			
<i>Solanum aculeatissimum</i>		1	D-70	:			
<i>Solanum capsicastrum</i>		1	70	:			



Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Solanum dulcamara		1	70L	:			
Solanum dulcamara	B		WC 4 w, 70L	GA-3 minor effect	bypass: L		
Solanum melongena	B		70L	GA-3 effect	bypass: L		
Solanum sisymbriifolium		1	70D	:			
Soldanella carpathica		1	70D	:			
Soldanella hungarica	B		70				
Soldanella montana	B		70				
Solidago caesia	B		40-70				
Solidago canadensis	B		DS, 70				
Solidago spathulata	B		70				
Sollya heterophylla		1	empty				
Sollya heterophylla		2	70 GA-3	GA-3 HELPFUL	%%		
Sophora japonica		2	green, 70D				
Sophora japonica	B		puncture, 70				
Sophora microphylla		1	puncture, 70				
Sophora mollis		2	puncture, 70D				
Sophora moorcroftiana	B		70				
Sophora prostrata		2	puncture, 70D				
Sophora secundiflora		2	puncture, 70D				
Sophora tetraptera		2	puncture, 70D				
Sophora tomentosum		1	puncture, 70				
Sorbus americana		2	OT	GA-3 no effect			
Sorbus aucuparia		1	OT				
Sorbus aucuparia	B		OT				
Sorbus caucasica	B		40-70	GA-3 no effect			
Sparaxis (hybrids)		1	70D	:			
Spartium junceum		2	puncture, 70D				
Spathodea campanulata		1	70L	GA-3 no effect			
Specularia speculum-veneris		1	70L	GA-3 inhibitory			
Spergularia rubra		2	70L	:			
Spergularia rupicola		2	70L	:			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Spergularia rupicola		1	70L	:			
Sphaeralcea (Illimna) remota		1	puncture, 70				
Sphaeralcea ambigua			2 70L	:			
Sphaeralcea coccinea	B		puncture, 70				
Sphaeralcea grossolariaefolia	B		puncture, 70				
Sphaeralcea incana			2 70L	:			
Sphaeralcea incana		1	70L	:			
Sphaeralcea parvifolia	B		puncture, 70				
Spigelia marilandica			2 OT	GA-3 no effect			
Spigelia marilandica	B		OT				
Spilanthus acmella		1	D-70	:			
Spiraea alba	B		70D				
Spiraea betulifolia	B		70L				
Spiraea canescens	B			70			
Spiraea japonica	B		70L				
Spiraea ulmaria		1	comment				
Spraguea umbellata	B		70D-40-70L				
Sprekelia formosissima			2 70D	:			
Stachys alpina			2 DS 1 y = dead				
Stachys alpina		1	70L				
Stachys lanata			2 70L				
Stachys macrantha	B		OT				
Stachys macrantha			2 70D				
Stachys officinalis		1	D-70	:			
Stachyurus chinensis			2 70L-40-70L	GA-3 effect	bypass: L		
Stachyurus chinensis		1	70L-40-70L (good germ each 70)	GA-3 minor effect	bypass: L		
Stanleya pinnata	B		D-70				
Stapelia leendertzii			2	70 :			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Stapelia leendertzii		1	70	:			
(Stellara) chamaejasme	B		70-40-70	nt: try			
Stellaria media		1	D-70				
Stellera chamaejasme		1	comment - misnamed Stellaria in "B")	nt: try			
Stenanthium occidentale		2	70	:			
Stenanthium occidentale		1	70				
Stenocereus griseus		1c	70 GA-3				
Stenocereus stellatus		1c	70 GA-3				
Stenocereus thurberi		1c	70 GA-3				
Stephanocereus leucostelie		1c	70 GA-3				
Stephanotis floribunda		1	70D	GA-3 no effect			
Sternbergia candida	B		40-70-40-70-40-70-OT				
Stetsonia coryne		1c	70 GA-3				
Stewartia koreana	B		OT				
Stewartia pseudocamellia	B		OT				
Stipa capillata	Bg		D-70				
Stipa pennata	Bg		D-70				
Stirlingia latifolia		2	DS 3 y = dead				
Stokesia laevis	B		70				
Strangweia spicata	B		40				
Stransvaesia nitakaymensis		1	40-70D	GA-3 no effect			
Strelitzia nicolae		2	comment				
Strelitzia nicolae		1	comment (DS1y 70D)				
Strelitzia reginae		2	70D				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Strelitzia reginae		1	puncture, 70D				
Streptocarpus (hybrids)			2 60L-75L				
Streptopus rosea		1	70D-40-70D	GA-3 no effect ?			
Strombocactus disciformis		1c	no germ				
Stylidium graminifolium		1	70L (or; 70 GA-3)	GA-3 Helpful	%%		
Stylomecon heterophylla			2 70D				
Stylomecon heterophylla		1	70D	: GA-3 no effect			
Stylophorum diphyllum	B		40-70-40-70				
Stylophorum lasiocarpum	B		OT				
Stypandra glauca		1	70L	GA-3 no effect			
Styrax japonica	B		70-40-70-40-70				
Styrax obassia			2 40-70D	:			
Styrax obassia		1	no germ	GA-3 no effect			
Styrax obassia	B		40-70				
Succisa inflexa		1	70L	:			
Succisa pratensis		1	70L	:			
Sulcorebutia totorensis lepida		1c	70 GA-3				
Sutherlandia frutescens prostrata			2 70D	:			
Sutherlandia montana			2 puncture, 70D	:			
Sutherlandia montana		1	70D				
Sutherlandia prostata			2 70D				
Sutherlandia sp.			2 puncture, 70D	:			
Swertia fedtschenkoana	B		OT				
Swertia marginata	B		OT				
Swertia perennis	B			70			
Swertia shugnanica	B		OT				
Symphoricarpos albus			2 no germ	??			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Symphoricarpos orbiculata	B			WC 7 d, 40-70-40-70-40-70-40-70				
Symphyandra hoffmannii	B			70-40-70				
Symphyandra tianschanica	B							70
Symphyandra wanneri	B							70
Symplocarpus foetidus			1	70L	GA-3 minor effect	bypass: L		
Symplocarpus foetidus	B			WC 7 d, 40-70-40-70				
Synnotia parviflora				2 70D-40				
Synnotia variegata				2 70L-40				
Synnotia variegata metelerkampiae				2 40-70-40				
Synnotia villosa				2 70L-40	:			
Synthyris alpina (Bessya alpina)			1	70D-40-70D (good germ @ both 70)	GA-3 no effect			
Synthyris pinnatifida	B			70-40-70				
Syringa amurensis	B							70
Syringa pekinensis	B							70
Syringa vulgaris	B							70
Tacitus bellus				2 no germ				
Tagetes (hybrids)				2 70D				
Talinum brevifolium				2 70L	:			
Talinum calycinum	B			40-70				
Talinum okanoganense	B			40-70				
Talinum sp.				2 comment (40-70:)				
Talinum sp.			1	40-70				
Talinum sp.	B			40-70D				
Talinum spinescens	B			40-70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Talinum teretifolium	B		40-70L				
Tamarindus indica			2 puncture, 70D				
Tamarindus indica		1	puncture, 70D				
Tamus communis	B		70-40-70				
Tanacetopsis subsincks	B		70				
Tanacetum capitatum	B		70				
Tanacetum dolichophyllum	B		70				
Tanacetum gracile	B		70-40-70-40-70				
Tanacetum parthenium		1	D-70	:			
Tanacetum sp.	B		70D				
Tanacetum turcomanicum		1	chaff				
Taraxacum officinale	B		70				
Taxodium distichum	B		40 1 m, 70				
Taxus baccata		1	comment				
Taxus baccata	B		WC 7 d, 70-40-70-40-70				
Tecoma stans			2 70	:			
Tecomaria capensis		1	70	:			
Teesdaliopsis conferta			2 70D	:			
Telephium imperati			2 no germ				
Telesonix jamesii			2 comment				
Telesonix jamesii	B		70L-40-70L	nt: try			
Tellima alexanderi		1	70 GA-3	GA-3 effect	%		
Tellima articulatus		1	70 GA-3	GA-3 effect	%		
Tellima grandiflora		1	70 GA-3	: GA-3 Helpful	%; esp older seed		
Tellima grandiflora	B		70L				
Tephrocactus alexanderi bruchii		1c	70 GA-3				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Tephrocactus articulatus (chilecito)		1c		70 GA-3			
Tephrocactus articulatus campana		1c		70 GA-3			
Tephrocactus rauhii		1c		no germ			
Tephrocactus 't.a.b. pomen'		1c		70 GA-3			
Tephrosia virginiana		1		comment			
Tephrosia virginiana	B			puncture, 70			
Tetragonolobus maritimus		1		puncture, 70			
Teucrium sp.	B			70D			
Thalictrum aquilegifolium	B			70			
Thalictrum dioicum	B			70 GA-3	GA-3 ESSENTIAL		
Thalictrum kemense	B			40-70	GA-3 ESSENTIAL		
Thalictrum lucidum		1		70 GA-3	GA-3 ESSENTIAL		
Thalictrum minus		1		70 GA-3	GA-3 ESSENTIAL		
Thalictrum petaloideum	B			70			
Thalictrum rochebrunianum		1		70 GA-3	GA-3 ESSENTIAL	almost	
Thalictrum rochebrunianum	B			70 GA-3 (or OT)	GA-3 ESSENTIAL	almost	
Thalictrum sp.	B			70			
Thalictrum speciosissimum	B			40			
Thalictrum tuberiferum		1		OT	GA-3 seedlings weak		
Thalictrum tuberiferum	B			70 GA-3	GA-3 ESSENTIAL	almost	
Thalictrum tuberosum	B			40-70			
Thalictrum uchiyamai	B			70	GA-3 no effect		
Thaspium trifoliatum		1		70	GA-3 inhibitory		
Thelocactus bicolor		1c		70 GA-3			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Thelocactus conothele</i>		1c		70			
<i>Thelocactus hexaedrophorus</i>		1c		70			
<i>Thelocactus leucacanthus schmollii</i>		1c		70 GA-3			
<i>Thelocactus tulensis</i>		1c		no germ			
<i>Thermopsis alpina</i>	B			puncture, 70			
<i>Thermopsis alternifolia</i>	B			puncture, 70			
<i>Thermopsis caroliniana</i>		1		comment			
<i>Thermopsis caroliniana</i>	B			scarify, 70			
<i>Theropogon pallidos</i>	B			70			
<i>Thespesia populaea</i>		1		puncture, 70			
<i>Thlaspi bulbosum</i>	B			70			
<i>Thlaspi montanum</i>	B			70			
<i>Thlaspi rotundifolia</i>	B			70			
<i>Thlaspi stylosum</i>	B			70			
<i>Thomasia quercifolia</i>			2	70D	GA-3 FATAL		
<i>Thrixanthocereus blossfeldiorum</i>		1c		70 GA-3			
<i>Thrysostachys siamensis</i>			2	70D	GA-3 no effect		
<i>Thuja occidentalis</i>		1		70D			
<i>Thuja occidentalis</i>	B			70	GA-3 no effect		
<i>Thunbergia alaga</i>			2	55-85			
<i>Thunbergia alata</i>		1		70			
<i>Thymus incertus</i>	B			70			
<i>Thymus vulgare</i>	B			70			
<i>Thysanotus multiflorus</i>		1		70 GA-3	GA-3 ESSENTIAL		
<i>Tiarella cordifolia</i>	B			70L	GA-3 effect	bypass: L	
<i>Tiarella wherryi</i>	B			70D-40-70L	GA-3 effect?	bypass: L ?	
<i>Tibouchina grandiflora</i>			2	70L			
<i>Tibouchina grandiflora</i>		1		70L			
<i>Tigridia pavonia</i>	B			70L			



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
<i>Tilia americanum</i>	B			comment				
<i>Tilia cordata</i>	B			OT				
<i>Tilingia tachiroei</i>			2	70D-40-70D	:			
<i>Tillandsia sp.</i>			2	no germ	GA-3 effect?	bypass: L ?		
<i>Tofieldia pusilla</i>		1		70L	GA-3 minor effect	bypass: L		
<i>Torenia (hybrids)</i>			2	70D				
<i>Toumeyia papyracantha</i>		1c		70 GA-3				
<i>Townsendia eximia</i>	B			70				
<i>Townsendia exscapa</i>	B			70				
<i>Townsendia florifer</i>	B			70				
<i>Townsendia formosa</i>	B			70				
<i>Townsendia glabella</i>	B			70				
<i>Townsendia grandiflora</i>	B			70				
<i>Townsendia hirsuta</i>	B			70				
<i>Townsendia hookeri</i>	B			70				
<i>Townsendia incana</i>	B			70				
<i>Townsendia mensana</i>	B			70				
<i>Townsendia montana</i>	B			70				
<i>Townsendia parryi</i>	B			D-70				
<i>Townsendia rothrockii</i>	B			70				
<i>Townsendia sericea</i>	B			70				
<i>Townsendia sp.</i>	B			70				
<i>Townsendia tomentosa</i>	B			70				
<i>Townsendia wilcoxiana</i>	B			70				
<i>Trachelium caeruleum</i>			2	70L	:			
<i>Trachelium rumelicum</i>	B			70L	GA-3 FATAL			
<i>Trachymene caerulea</i>			2	70L	:			
<i>Trachymene caerulea</i>		1		70L	:			
<i>Trachyspermum ammi</i>			2	70D	:			
<i>Trachyspermum ammi</i>		1		70D	:			
<i>Tradescantia bracteata</i>		1		40-70D	GA-3 no effect			
<i>Tradescantia longipes</i>	B			40-70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Tribeles australis			2 no germ	GA-3 no effect			
Trichocereus bridgesii		1c	70 GA-3				
Trichocereus bruchii nivalis		1c	70 GA-3				
Trichocereus formosus		1c	70				
Trichocereus pachanoi		1c	70 GA-3				
Trichophorum alpinum		1	70L	: GA-3 no effect			
Trichosanthes cuspidata	B		70				
Trichostema dichotomum		1	70L-40-70L (or; 70 GA-3)	GA-3 Helpful	%%; and bypass cold		
Trichostema dichotomum	B		70D GA-3	GA-3 ESSENTIAL	almost		
Trichostema setaceum	B		OT	nt: must try			
Tricyrtis affinis	B		70L				
Tricyrtis bakeri	B		70L				
Tricyrtis dilitata	B		70L-40-70L				
Tricyrtis flava	B		70L				
Tricyrtis formosana	B		70L				
Tricyrtis hirta	B		40-70L				
Tricyrtis hirta alba	B		40-70L				
Tricyrtis latifolia	B		40-70L				
Tricyrtis macrantha	B		OT				
Tricyrtis macropoda	B		40-70L				
Tricyrtis nana	B		40-70L				
Tricyrtis perfoliata	B		70L				
Tricyrtis pilosa	B		40-70				
Tricyrtis puberula	B		70L-40-70L				
Tricyrtis stolonifera	B		70L-40-70L				
Trifolium dasyphyllum	B		70				
Trifolium pratense	B		70D				
Trifolium repens		1	puncture, 70D				
Trifolium virginiana	B		70				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Trifurcia lahue caerulea			2 70L (conflicting results)				
Triglochin maritima		1	70L	GA-3 minor effect	bypass: L		
Trigonella foenum-graecum		1	D-70	:			
Trillidium govianum	B		70-OT-70D GA-3 40-70D	nt: try start with GA-3			
Trillium albidum		1	70D-40-70D (or, 70 GA-3)	GA-3 Helpful	bypass cycling		
Trillium albidum	B		40-70				
Trillium apetalon		1	70 GA-3 40	GA-3 ESSENTIAL			
Trillium chloropetalum		1	40-70 (can do GA-3after 40 at 70)	GA-3 minor effect	%		
Trillium erectum		1	40-70 GA-3 (? Need 40? )	GA-3 ESSENTIAL			
Trillium erectum	B		OT 4 y, 70 GA-3	nt: try start with GA-3			
Trillium erectum alba		1	40-70 GA-3 (? Need 40? )	GA-3 ESSENTIAL			
Trillium flexipes		1	comment				
Trillium flexipes	B		OT 2 y, 70 GA-3	nt: try start with GA-3			
Trillium grandiflorum			2 comment	GA-3 ESSENTIAL			
Trillium grandiflorum		1	comment				
Trillium grandiflorum	B		70 GA-3	GA-3 ESSENTIAL	for healthy plants		
Trillium grandiflorum roseum		1	comment				
Trillium kamschaticum		1	40-70	try 70 GA-3			
Trillium luteum		1	comment				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Trillium luteum	B		70 GA-3	nt: try start with GA-3	was used on prev cycled seed		
Trillium nivale		1	40-70	GA-3 no effect			
Trillium nivale	B		40-70-40-70-40- 70-40	nt: try			
Trillium ovatum		1	comment				
Trillium ovatum	B		70D	nt: try start with GA-3			
Trillium pusillum		1	70 GA-3	GA-3 Helpful	bypass: cycling		
Trillium pusillum	B		40-70-40-70-40	nt: try start with GA-3			
Trillium recurvatum		1	40-70 GA-3	GA-3 ESSENTIAL	[try 70 GA-3]		
Trillium rugeli		1	40-70 GA-3	GA-3 ESSENTIAL	[try 70 GA-3]		
Trillium tschonoski		1	70 GA-3	GA-3 ESSENTIAL			
Trillium tschonoski	B		70 GA-3	GA-3 ESSENTIAL	[see dispute]		
Trillium undulatum			2 70D	GA-3 FATAL			
Trillium vaseyi		1	40-70 GA-3 [try 70 GA-3]	GA-3 ESSENTIAL	almost;		
Trillium vaseyi	B		WC 3 w, 40-70	nt: try start with GA-3			
Triosteum perfoliatum			2 no germ				
Triosteum perfoliatum		1	no germ				
Tripetaleia paniculata			2 70L	:			
Tripteralyx cyclopetris		1	no germ	GA-3 no effect			
Triteleia laxa			2 DS 4 y = dead				
Triteleia laxa	B		40				
Tritoma (hybrids)	B		70D	GA-3 no effect			
Tritonia crocea		1	70D				
Trochodendron aralioides		1	70L	GA-3 Helpful	%; bypass: L		
Trollius(s) pumilus			2 DS 3 y = dead				
Trollius acaulis	B		40-70				
Trollius altissimus	B		OT				
Trollius asiaticus	B		OT				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Trollius chinensis	B			40				
Trollius dschungaricus	B			OT				
Trollius laxus	B			OT				
Trollius laxus		1		comment	GA-3 issue	germ; but unhealthy		
Trollius ledebouri	B			OT	GA-3 effect	%; but weak plants		
Trollius pumilus	B			OT				
Tropaeolum azureum	B			70 4 w, 40				
Tropaeolum azureum			2	40	:			
Tropaeolum major			2	70D	:			
Tropaeolum minus		1		D-70				
Tropaeolum pentaphyllum		1		70D-40-40-70D				
Tropaeolum polyphyllum	B			70 4 w, 40				
Tropaeolum sessilifolium	B			70 4 w, 40				
Tropaeolum speciosum		1		70D-40-70D-40				
Tsuga canadensis		1		70D-40-70				
Tsuga canadensis	B			40-70 (most germ at 40)	GA-3 little effect	if start at 70		
Tuberaria lignosa			2	70D	GA-3 no effect			
Tulbaghia galpinii		1		70D				
Tulipa chrysantha		1		70D-40				
Tulipa clusiana	B			70-40				
Tulipa sp.	B			40	GA-3 effect unlikely			
Tulipa sprengeri		1		40-70-40-70-40 (most germ first 40)				
Tulipa stellata	B			40	GA-3 effect unlikely			
Tulipa tarda	B			40-70	GA-3 effect unlikely			
Tulipa turkestanica	B			40-70	GA-3 effect unlikely			

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Turbinocarpus lophophoroides		1c		70 GA-3			
Turbinocarpus polaskii		1c		70 GA-3			
Turricula parryi		1		70 GA-3	GA-3 ESSENTIAL		
Tussilago farfara	B			70			
Tussilago sp.			2	DS 4 w = dead			
Typha latifolia	B			70L			
Typha latifolia	B			70L			
Uebelmannia gummifera		1c		70 GA-3			
Ulmus glabra	B			70			
Umbilicus rupestris	B			70			
Uncinia (Ursinia) rubra			2	70D-40-70D			
Uncinia (Ursinia) uncinnata			2	chaff			
Ungernia victoris	B			70			
Ungnadia speciosa		1		OS	GA-3 no effect		
Urginea secunda			2	70D	:		
Urospermum delechampii			2	chaff			
Urtica membranacea		1		40	GA-3 no effect		
Urtica piculifera		1		70L	GA-3 inhibitory		
Uvularia grandiflora	B			OT	nt: must try GA-3		
Vaccaria hispanica			2	rotted			
Vaccaria hispanica		1		40	GA-3 no effect		
Vaccaria pyrimidata			2	70D	:		
Vaccaria pyrimidata		1		70D	:		
Vaccinium globulare		1		70L (DS bypass: L)	: GA-3 minor effect	fresh seed:%; bypass: L	
Vaccinium macrocarpum		1		70L	:		
Vaccinium macrocarpum	B			70L			
Vaccinium myrtillus		1		70L (DS bypass: L)	: GA-3 minor effect	fresh seed:%; bypass: L	

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Vaccinium nummularia	B		70				
Vaccinium uliginosum		1	40-70D	GA-3 no effect			
Vaccinium vitis-idaea		1	70L				
Valeriana officinalis		1	comment (requires Light)				
Vatricania guentheri		1c	70 GA-3				
Veltheimia bracteata			70D (prior 40 2 fatal)	:			
Veltheimia bracteata		1	70D	:			
Veratrum californicum		1	70 GA-3	GA-3 ESSENTIAL	almost: bypass: cycling		
Veratrum californicum	B		70-40-70	try GA-3 at start			
Verbascum blattaria		1	70L				
Verbascum blattaria	B		70L				
Verbascum bombyciferum		1	70L				
Verbascum chaixi album		1	70L				
Verbascum nigrum		1	70L				
Verbascum nigrum album		1	70L				
Verbascum olympicum		1	70L				
Verbascum phoeniceum		1	70L				
Verbascum phoeniceum	B		70				
Verbascum thapsus		1	70L				
Verbena (quartz hybrids)			2 70L	GA-3 no effect			
Verbena (wings hybrids)			2 70L				
Verbena hastata	B		40-70L				
Verbena macdouglii		1	(70L)	GA-3 minor effect	bypass: L		
Verbena macdouglii			2 70L				
Vernonia altissima		1	70 GA-3 (or 40- 70)	GA-3 USEFUL	%; and bypass: cold		
Vernonia novaboracensis	B		40-70D				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Veronica aphylla	B		40				
Veronica bellidioides	B		70L				
Veronica caespitosa	B		40-70				
Veronica fruticans			2 DS 1 y = dead				
Veronica fruticans		1	40-70D	:			
Veronica fruticulosa	B		40				
Veronica nipponica	B		70				
Veronica nummularia	B		70L				
Veronica ponae	B		70L				
Veronica serpyllifolia		1	40-70L (or, 70 GA-3)	GA-3 USEFUL	%; and bypass: L		
Veronica tauricola	B		70				
Veronicastrum virginica		1	70L	: GA-3 no effect			
Veronicastrum virginica			2 70L				
Verticordia aff. ovalifolia			2 DS 3 y = dead				
Verticordia chrysantha v. preissii			2 DS 3 y = dead				
Vestia foetida		1	70	GA-3 no effect			
Vestia lycioides ?		1	70L	GA-3 little effect	%		
Viburnum acerifolium	B		WC 7 d, 40-70-40-70-40				
Viburnum burkwoodi	B		WC 7 d, 40-70				
Viburnum carlesi		1	WC 7 d, 70D-40-70D				
Viburnum dentatum	B		WC 7 d, 70-40-70-40-70				
Viburnum dilatatum	B		WC 7 d, 70-40-70-40-70				
Viburnum lantana	B		WC 7 d, 40-70-40-70				
Viburnum opulis	B		WC 7 d, 70-40-70-40	GA-3 USEFUL ?	%		



Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Viburnum prunifolium	B			WC 5 w, 40-70-40				
Viburnum rhytidophyllum	B			WC 7 d, 40-70-40-70				
Viburnum sargentii		1		WC 7 d, 70				
Viburnum sargentii	B			WC 7 d, 70				
Viburnum setigerum			2	70 GA-3 - 40	GA-3 USEFUL	bypass: long cycling		
Viburnum setigerum	B			WC 7 d, 70-40-70-40-70-40				
Viburnum sieboldii	B			WC 7 d, 70-40-70-40				
Viburnum tomentosum	B			WC 7 d, 70-40-70				
Viburnum trifolium		1		WC 7 d, 40-70 (or, 70 GA-3)	GA-3 HELPFUL	bypass: cold		
Viburnum trifolium	B			WC 7 d, 70 GA-3	GA-3 USEFUL ?	%		
Viburnum trilobum		1		WC 7 d, 70D (40-70D sl %)				
Vicia americana	B			puncture, 70				
Vicia cracca			2	puncture, 70D				
Vicia cracca		1		puncture, 70D				
Vicia cracca	B			70				
Viguiera porteri			2	40	GA-3 no effect			
Viguiera porteri		1		70	:			
Vinca rosea			2	70D				
Vincatoxicum hirundinaria			2	DS 3 y = dead				
Vincatoxicum hirundinaria		1		70 GA-3	GA-3 HELPFUL	%%		
Vincatoxicum nigrum			2	DS 4 y = dead				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Vincetoxicum nigrum		1	70 GA-3	GA-3 HELPFUL	%%; and faster		
Viola adunca		1	70 GA-3 (or 70L)	GA-3 minor effect	%		
Viola aff. rosulata			2 rotted				
Viola altaica	B		70				
Viola appalachensis	B		OT				
Viola arborescens			2 70 GA-3	GA-3 ESSENTIAL	almost		
Viola biflora	B		rotted				
Viola canadensis	B		OT				
Viola canina		1	70 GA-3	GA-3 HELPFUL	bypass: cycling		
Viola cornuta	B		70D				
Viola coronifera			2 rotted				
Viola cotyledon			2 rotted				
Viola cucullata	B		70D GA-3	GA-3 USEFUL	%; and bypass: L		
Viola cuneata		1	70 GA-3 (or 40)	GA-3 USEFUL	bypass: cold		
Viola dactyloides	B		70L				
Viola dasycphylla			2 rotted				
Viola delphinantha	B		rotted				
Viola fimbriatula	B		70D GA-3	GA-3 ESSENTIAL	almost		
Viola fluehmannii			2 rotted				
Viola glabella		1	70 GA-3	GA-3 ESSENTIAL			
Viola incisa	B		70L				
Viola labradorica	B		70L	GA-3 minor effect	bypass: L		
Viola maculata			2 rotted				
Viola montana	B		70L-40-70L	nt: must try GA-3			
Viola nuttallii		1	40 (or, 70 GA-3)	GA-3 USEFUL	bypass: cold		
Viola odorata			2 70 GA-3	GA-3 ESSENTIAL ?			
Viola palmata	B		OT				
Viola papilionacea	B		OT				

Species	Documents		Recommended	Doc B GA-3 comments	GA-3 effects		
Viola pedatifida	B		OT				
Viola philippii			2 rotted				
Viola pubescens	B		70D GA-3	GA-3 HELPFUL	bypass: cold		
Viola rugulosa	B		OT-70L				
Viola sagittata	B		OT				
Viola sheltoni	B		40				
Viola sororia alba	B		70-40-70				
Viola sp. (rosulate)	B		40 GA-3	GA-3 ESSENTIAL	do at 40		
Viola striata	B		OT (70D GA-3)	GA-3 ESSENTIAL	almost		
Viola tricolor	B		70L				
Viola tricolor (hybrids)			2 OS 40-70L				
Vitaliana (Douglasia) primuliflora		1	70D	:			
Vitaliana primuliflora			2 70D (DS1y = dead)	:			
Vitex agnus-castus			2 70D-40-70D-40- 70D-40-70D-40- 70D				
Vitex agnus-castus		1	70L	GA-3 HELPFUL	bypass: L		
Vitis vinifera	B		WC, 70-40-70				
Vitis vulpina	B		40-70				
Wachendorfia thrysiflora		1	70L				
Wahlenbergia congesta			2 40-70L	:			
Wahlenbergia congesta		1	70L	GA-3 little effect			
Wahlenbergia congesta (hybrids)			2 40-70L (70L almost as good)				
Wahlenbergia gloriosa		1	70D	GA-3 little effect			
Wahlenbergia gloriosa			2 40-70L	GA-3 little effect			
Wahlenbergia saxicola			2 40-70L (70L same)				
Wahlenbergia sp.			2 70L	:			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Wahlenbergia trichogyna			2	70 :				
Waitzia citrina			2	chaff				
Waldheimia glabra	B			70				
Waldheimia stoliczkai	B			70				
Waldheimia tomentosa	B			70				
Waldsteinia fragrarioides	B			70L				
Washingtonia filifera			1	comment (a prior 40 no effect)				
Washingtonia filifera	B			puncture, 70				
Watsonia beatricis			2	70D				
Watsonia beatricis			1	70D (light inhibitory)				
Watsonia sp.			2	70 :				
Watsonia sp.			1	70D (light inhibitory)				
Weberbauerocereus johnsonii		1c		70 GA-3				
Weigelia florida	B			70L	GA-3 USEFUL	%; and bypass: L		
Weingartia hediniana		1c		70 GA-3				
Weingartia longigipba		1c		70 GA-3				
Wisteria sinensis	B			70				
Withania somnifera			2	comment	GA-3 minor effect ?	bypass: L ?		
Withania somnifera			1	70L	GA-3 minor effect	bypass: L		
Wulfenia carinthiaca	B			70L	GA-3 HELPFUL	bypass: L		
Wyethia amplexicaulis	B			40-70	GA-3 FATAL			
Wyethia arizonica	B			70D GA-3	GA-3 HELPFUL	%; and bypass: L		
Wyethia helianthoides	B			40-70	GA-3 FATAL			
Xanthoceras sorbifolium			2	70D (seeds last 3yr DS)				

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Xanthoceras sorbifolium		1		70 (DS seed use 40)				
Xeranthemum annuum	B			70D				
Xeronema callistemon	B			40-70	GA-3 no effect			
Xerophyllum asphodeloides	B			OT				
Xerophyllum tenax			2	rotted				
Xylanthemum pamiricum	B			70D				
Yucca filamentosa	B			70				
Yucca glauca	B			70				
Yucca navajoa	B			70D				
Yucca whipplei	B			70				
Zaluzianskya capensis			2	70				
Zaluzianskya capensis	B			70				
Zantedeschia ethiopeca		1		extract, 70D				
Zantedeschia ethiopeca	B			extract, WC, 70D				
Zauschneria arizonica	B			40				
Zauschneria garrettii	B			40				
Zea mays		1		70D				
Zea sp.			2	70D	:			
Zenobia pulverulenta			2	empty				
Zephyra			2	comment				
Zephyra minima		1		70D				
Zephyranthes atamasco	B			70				
Zephyranthes rosea	B			70				
Zigadenus elegans	B			70				
Zigadenus fremonti	B			40				
Zinnia elegans			2	70	:			

Species	Documents			Recommended	Doc B GA-3 comments	GA-3 effects		
Zizania aquatica		1		OT (underwater-- germ when warms over 40)				
Zizia aptera		1		70L	GA-3 minor effect	bypass: L		
Zizia aurea	B			70D GA-3	GA-3 ESSENTIAL			
Ziziphora bungeana	B			70				
Zizyphus jujuba		1		no germ				
Zygocactus truncatus		1c		70				
Zygophyllum atriplicoides		1		70 GA-3	GA-3 USEFUL	%%		