

Botanical name <i>Source: <a href="http://www.owenscreek.com/landscapes/land">http://www.owenscreek.com/landscapes/land</a></i>	Common name	Variety/color	type of plant	Seed stock	Method Sowing Method	Weeks before last frost:	Weeks before last frost date	Sowing depth	Space	Life cycle	Transplant to	Comments (soil requirement, height, etc.)		
Abus pretorius	Prayer beads	yellow	vine	out	1/15/2016 nick and soak, <2 wks @ 59°F, rapid germ.		-6	cover	18	a	faun	vine to 30 ft., requires string or wire		
Abutilon vitifolium	Flowering maple	light blue	orn	out	1 <2 wks @ 68°F, rapid germ.		-7	thin	18	a	faun	to zone 7, winter indoors	spray for whitefly	
Acer grimaldi	Amur maple	yellow	tree	out	8 wks @ 75°F, 4 mos @ 39°F, then 68°F		-17	cover	180	p	faun	takes more shade than other maples	moist, well drained soil	
Achillea filifoliosa	Yarrow	white	orn	out	1 <2 wks @ 68°F in lite, rapid germ.		-3	surf	15	p	faun	rapid spreader, grow cool, SO	plant only in infirmed areas	
Achillea ptarmica	Sneezewort	The Pearl	orn	out	1 <2 wks @ 68°F in lite, rapid germ.		-7	surf	10	p	faun	much to protect from severe winters	divide clumps after 2 - 3 years, grow cool, SO	
Acemila deracea	Eyeball plant	yellow/maroon	n eye	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	a	psa	protect from slugs while young	
Acinonapha oblongifolia	Wintersweet	white	vine	out	16-Jan soak seed, <2 wks @ 68°F, rapid germ. low outdoors, or 2.4 wks @ 68°F, 4.6 mths @ 21°F, move to 53°F for 9 germ.		-25	surf	12	p	fsa	very poisonous, 210 vine to 18 ft.	requires string or wire to climb	
Acinonapha	Monkhood	blue	orn	out	9 germ.		-6	thin	10	p	faun	very short lived seed, sow fresh only		
Acorus gramineus 'ogon'	Golden variegated Sweet flag	grass	out	9 germ.			25	surf	12	p	fsa	fertile, constantly moist, acid soil, grow in pot or bog	aracaeae, not a true grass, zone 6	
Acroclinium roseum	Rosy sunray	pink w/yel ctr	orn	out	1 sow outdoors, <2 wks @ 72°F, rapid germ.		-1	thin	10	a	faun	good cut flower, grow cool		
Adenopora lilifolia	Ladybells	blue or pale	orn	in	3 3.4 wks @ 68°F, if no germ, 4 wks @ 39°F, then 68°F		-10	surf	12	p	faun	hardened slightly alkaline	hardly to 5F	
Agastache aurantiaca	Agastache aurantiaca	orange	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun	hummingbird plant	syn A. pallida	
Agastache bartram	Pale giant hyssop	copper-orange	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache cana	Mosquito plant	rose-lilac	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun	to 4.5 ft.		
Agastache coxii	Cox's giant hyssop	orange	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache 'Nieboer'	Agastache 'Nieboer'	copper-orange	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache foeniculum	Blue giant hyssop	clear blue	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache foeniculum 'blue spike'	Blue hyssop	clear blue	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache 'Vigant delight'	Agastache	mix	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache nepetoides	Yellow giant hyssop	yellow	orn	in	2 >2 wks @ 68°F, slow germ.		-12	thin	10	p	faun			
Agastache pingii	Pringle's giant hyssop	purple	orn	in	2 >2 wks @ 68°F, slow germ.		-12	thin	10	p	faun			
Agastache rugosa	Wrinkled giant hyssop	orange	orn	in	2 >2 wks @ 68°F, slow germ.		-12	thin	10	p	faun			
Agastache rupestris	Sunset hyssop	hot orange	orn	in	1 <2 wks @ 68°F, rapid germ.		-12	thin	10	p	faun			
Agastache scrophulariifolia	Purple giant hyssop	purple (varies)	orn	in	4 8 wks @ 39°F, move to 68°F for germ.		-12	thin	10	p	faun			
Agastache sp.	Agastache	dwarf rose	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Agastache trifoliola	Hedley-leaved horsemint	dwarf rose	orn	in	1 <2 wks @ 68°F, rapid germ.		-6	thin	10	p	faun			
Ageratum houstonianum	Fluoriflower	Purple	orn	out	1 <2 wks @ 80°F in lite, rapid germ.		-6	surf	10	a	faun	Hold in 2x pots until buds form, then transplant	grow cool	
Ageratum egypticum	Church steeples	yellow	orn	out	3 3.4 wks @ 68°F, if no germ, 2.4 wks @ 39°F, then 68°F		-8	cover	12	p	faun			
Ageratum procera	Fraser ageratum	yellow	orn	out	3 3.4 wks @ 68°F, if no germ, 2.4 wks @ 39°F, then 68°F		-8	cover	12	p	faun			
Alcea ficifolia	Hollyhock	red	orn	out	3 3.4 wks @ 68°F, if no germ, 2.4 wks @ 39°F, then 68°F		-1	cover	18	p	faun		grow cool, 55-60	
Alchemilla mollis	Lady's mantle	yellow	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-6	thin	10	p	psa	lit-H1-ft., cool weather plant	tolerates dry shade	
Allium albanense	Allium	purple	orn	in	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-15	thin	10	p	faun			
Allium albopictum	Allium	purple	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-15	thin	10	p	faun			
Allium amethystinum	Allium	amethyst	orn	out	5 low @ 39°F, germ. erratic.		-15	thin	10	p	faun			
Allium ampeloprasum	Leeks	Allium	orn	out	1 <2 wks @ 68°F, rapid germ.		-16	cover	16	p	faun		transplant to 10 inches second year	
Allium amphibolum	Allium	pale blue	orn	in	1 <2 wks @ 68°F, rapid germ.		-10	cover	clump	p	faun			
Allium caeruleum	Allium	blue	orn	out	1 <2 wks @ 68°F, rapid germ.		-10	cover	clump	p	faun			
Allium caeruleum ssp pulchellum	Allium pulchellum	steel or white	orn	in	1 3.4 wks @ 68°F, if no germ, 2.4 wks @ 39°F, then 68°F		-10	surf	clump	p	faun	arching umbels flower 2nd year		
Allium cepa	Onion	spanish	vege	out	1 <2 wks @ 68°F, rapid germ.		-18	cover	6	a	faun	grow cool, 55-60		
Allium ornatum	Nooding onion	pink/white	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-18	cover	10	p	faun	hold seedlings for 2 months before setting out	one per pot	
Allium christophii	Star of Persia	purple	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-17	thin	10	p	faun	Delay transplanting for 2 months	one per pot - syn. A. albopictum	
Allium cypathogorum v farneri	Allium farneri	wine red bells	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-17	thin	10	p	faun	Delay transplanting for 2 months	one per pot - syn. A. albopictum	
Allium flavum	Allium	yellow	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-6	thin	6	hbb	psun		one per pot - syn. A. albopictum	
Allium giganteum	Giant allium	yellow	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-18	cover	10	p	faun	hold seedlings for 2 months before setting out	one per pot	
Allium hollandicum 'purple sensation'	Allium	purple	orn	out	5 low @ 39°F, germ. erratic.		-15	thin	10	p	faun			
Allium karwinskianum	Allium	purple	orn	out	10 sow outdoors in the fall for spring germ.		-25	thin	10	p	faun			
Allium liliifolium	Yellow onion	yellow	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-18	cover	6	p	faun	short lived seed, sow at once	short lived seed	
Allium oregonum	Allium oregonum	purple	orn	out	9 2 wks @ 68.4 wks @ 21°F, move to 53°F for germ.		-15	cover	clump	p	faun	grow cool, 55-60	well drained rock garden plant	
Allium scorodoprasum ssp. 'jalisco'	Allium	purple	orn	out	4 2 wks @ 39°F, move to 68°F for germ.		-10	cover	clump	p	faun			
Allium senescens	Allium	pale blue	orn	in	8 2 wks @ 68°F, 4 wks @ 39°F, move to 68°F for germ.		-15	cover	clump	p	faun	blooms in 1 year from seed		
Allium sikaniense	Allium	purple	orn	in	4 4 wks @ 39°F, 4 wks @ 21°F, move to 53°F for germ.		-12	thin	10	p	psa	likes cool shadey spot	syn. A. tibeticum	
Allium sphaerophyllum	Round headed leek	purple/red	orn	in	2 >2 wks @ 68°F, slow germ.		-8	thin	clump	hbb	psun			
Allium splendens	Allium	blue	orn	in	1 <2 wks @ 68°F, rapid germ.		-10	cover	clump	p	faun			
Allium tuberosum	Garlic chives	white	orn	in	4 12 wks @ 39°F, move to 68°F for erratic germ.		-18	cover	12	p	faun		hold seedlings for 2 months before setting out	
Allium ursinum	Garlic	white	orn	out	8 2 wks @ 68°F, 4 wks @ 39°F, move to 68°F for germ.		-15	cover	clump	p	faun		one per pot	
Alonsoa variegata 'beachy leaves'	Mask flower	scarlet	orn	out	1 <2 wks @ 59°F, rapid germ.		-6	surf	18	hba	psun			
Alyssum montanum	Mountain alyssum	gold	orn	out	9 2 wks @ 68°F, rapid germ.		-6	surf	6	psun	psun		blooms second season	
Alyssum saxatile 'compactum'	Basket of gold	yellow	orn	in	1 <2 wks @ 75°F, rapid germ.		-5	cover	18	psun	psun		blooms second season	
Alyssum wulfenianum	Alyssum	white	orn	out	1 <2 wks @ 75°F, rapid germ.		-5	cover	18	psun	psun		15 cm	
Amarantus caudatus	Low lies bleeding	red	orn	out	1 <2 wks @ 72°F, rapid germ.		-2	thin	24	p	psun		15 cm	
Amarantus cruentus	Red amaranth	red	orn	in	1 <2 wks @ 72°F, rapid germ.		-2	thin	24	p	psun		grow cool	
Amarantus cruentus 'split personality'	Red amaranth	red/cream	orn	in	1 <2 wks @ 72°F, rapid germ.		-2	thin	24	p	psun		grow cool	
Amarantus gramineus	Elephant head amaranth	red/green	orn	in	1 <2 wks @ 72°F, rapid germ.		-2	thin	24	p	psun		grow cool	
Amarantus sp. 'intense purple'	Amarantus	purple	orn	in	1 <2 wks @ 72°F, rapid germ.		-2	thin	24	p	psun		grow cool	
Ammannium grandiflorum	Evelevasting	white	orn	out	1 <2 wks @ 68°F, rapid germ.		-4	cover	12	a	faun	pick flowers 8/4 fully open		
Amorpha canescens	Leadplant	violet/blue	orn	in	16-Mar for wks, recycle		-8	thin	18	p	faun	grow to 2 to 3 ft		
Amsonia illustris	Blue star	blue	orn	out	6-Apr 6 wks @ 39°F, then @ 68°F, germ. erratic, many months		-12	surf	6	p	faun			
Amsonia tabernaemontana	Eastern bluestar	blue	orn	in	6-Apr 6 wks @ 39°F, then @ 68°F, germ. erratic, many months		-12	surf	6	p	faun		to 4 ft tall, A - j bloom	
Anagallis margaritacea	Anagallis	everlasting	orn	out	1 <2 wks @ 68°F, rapid germ.		-6	surf	12	p	psun	Protect from severe cold, needs moist soil	divide clumps every 3 to 4 yrs, grow cool	
Anchusa azurea	Italian bugloss	gentian blue	orn	out	2 >2 wks @ 68°F, slow germ.		-6	surf	12	a	faun			
Anchusa capensis	Cape bugloss	blue	orn	in	2 >2 wks @ 68°F, slow germ.		-6	surf	12	a	faun		to 3 ft.	
Andropogon gerardi	Big Bluestem	turkey foot	grass	in	2 >2 wks @ 68°F, slow germ.		-4	thin	clump	p	faun	3 to 5 foot, purplish, A - O bloom	zone 4	
Anemone graveolens	Dill	yellow	herb	in	1 low outdoors, <2 wks @ 68°F in lite, rapid germ.		0	surf	12	a	faun	Time planting for autumn harvest	grow cool	
Angelica archangelica	Angelica archangelica	white or wh/gm	orn	in	8 4 wks @ 68°F, 4 wks @ 39°F, move to 53°F for germ.		-14	cover	24	p	faun	best plant		
Angelica archangelica ssp. archangelica v. Archangel	Angelica	white	orn	in	8 4 wks @ 68°F, 4 wks @ 39°F, move to 53°F for germ.		-14	cover	24	p	faun	best plant		
Angelica gigas	Korean angelica	deep red	orn	in	8 4 wks @ 68°F, 4 wks @ 39°F, move to 53°F for germ.		-14	cover	24	p	faun	best plant		
Angelica saxatilis	Angelica saxatilis	white	orn	in	8 4 wks @ 68°F, 4 wks @ 39°F, move to 53°F for germ.		-14	cover	24	p	faun	best plant		
Anthemis radophana	Anthemis	yellow	orn	in	1 <2 wks @ 68°F, rapid germ.		-3	thin	12	p	faun	transplant early on - gets weedy in the pot, 30 cm	grow cool	
Anthemis tricolor	Golden chamomile	yellow	orn	in	1 <2 wks @ 68°F, rapid germ.		-3	thin	12	p	faun	transplant early on - gets weedy in the pot	grow cool	
Anthriscum cerefolium	Chervil	white	herb	out	8 2.4 wks @ 68°F, 4.6 wks @ 39°F, move to 53°F for germ.		-18	thin	12	a	faun	b or p, psa to faun, will naturalize, sow seed in situ	poor germination	
Anthriscus sylvestris 'swain's wing'	Cow parsley	off-white	herb	in	8 2.4 wks @ 68°F, 4.6 wks @ 39°F, move to 53°F for germ.		-18	thin	12	p	faun	rewets cold and wet, 30 cm	hardy to 14°F	
Antirrhinum vulneraria	Lady's fingers	yellow	orn	out	15-Jan puncture, <2 wks @ 68°F, rapid germ		-6	thin	6	a/p	psun			
Antirrhinum braun-blauangata	Snapdragon	throat	orn	in	8 2.4 wks @ 68°F, 4.6 wks @ 39°F, move to 53°F for germ. in light		-8	surf	8	p	faun		grow cool, 45-50 & pinch	
Antirrhinum majus 'bl. dorado'	Antirrhinum	pink/white/gold	vege	out	1 <2 wks @ 73°F in lite, rapid germ.		-8	surf	6	psun	psun		grow cool, 45-50 & pinch, PM shade	
Aplium graveolens var.	Celnic	pink	herb	out	0 3 days damp paper towel, sow outside if rite >55F		-5	thin	12	b	faun	chill seed for several days before sowing		
Aquilegia vulgaris	Columbine	pink, short spur	orn	in	4 8 wks @ 39°F, move to 68°F in lite for germ.		-18	surf	12	p	psa	grow cool, 50-55		
Aquilegia vulgaris plena	Columbine	R/Y	orn	out	4 8 wks @ 39°F, move to 68°F in lite for germ.		-12	surf	12	p	psa	grow cool, 50-55		
Arcas alpina	Alpine rockcress	white	orn	in	1 <2 wks @ 68°F in lite, rapid germ.		-6	surf	6	p	psun	grow cool, 50-55, PM shade	15 cm, well drained in winter, protect with mulch	
Argemone sphaerophylla 'spring magic'	Rose rockcress	crimson	orn	in	1 <2 wks @ 68°F in lite, rapid germ.		-6	surf	6	p	psun	grow cool, 50-55, PM shade		
Asa cordata	Machaonia 'Salkland'	white	sheab	out	4 3 in @ 39°F, move to 53°F for germ.									

Botanical name <small>name, flower, fruit, seed, leaf, wood, etc.</small>	Common name	Variety/color	type of plant	Seed stock	Method Sowing Method	Weeks before last frost	Weeks before last frost date	Sowing depth	Space	Life cycle	Transplant to	Comments (soil requirement, height, etc)
<i>Brassica oleracea</i> v. longitota	Walking stick kale	Purple top, white globe	vege	orn	out	1 -2 wks @ 55%, rapid germ.		-5 covr	36 a	fsun		Strong stake, provide crater for stalk to sink into. thus, creating handle for cane
<i>Brassica rapa</i>	Turnip	white globe	vege	orn	out	1 low outdoors, -2 wks @ 68%, rapid germ.		12 covr	9 a	fsun		see seed July 15th
<i>Brassica rapa</i> 'mitchini'	Chinese cabbage	side napata	vege	orn	in	1 -2 wks @ 68%, rapid germ.		12 covr	24 ha	fsun		see seed July 15th
<i>Britia maxima</i>	Quaking grass		orn	in	out	1 -2 wks @ 68%, rapid germ.		-6 thin	clump	a	fsun	4" x 4", germ in 15 days
<i>Buddleia davidii</i>	Orange eye butterfly bush	tan	shrub	in	out	2 -2 wks @ 75%, slow germ.		-8 thin	36 pt	psun		4" x 4", germ in 25 days
<i>Buddleia fallowiana</i> 'technich'	Butterfly bush	blue	shrub	in	out	2 -2 wks @ 75%, slow germ.		-8 thin	36 pt	psun		flowers on old wood
<i>Buddleia glaberrima</i>	Orange ball tree	orange	shrub	out	in	1 -2 wks @ 68% in lite, rapid germ.		-8 surf	30 pt	psun		
<i>Buphthalmum salicifolium</i>	Yellow eye	yellow	orn	in	out	1 -2 wks @ 68%, rapid germ.		-6 thin	6 p	fsun		
<i>Bupleurum rotundifolium</i>	Thoroughwort	purple	orn	in	out	1 -2 wks @ 68%, rapid germ.		-6 thin	6 p	fsun		rock garden
<i>Calla atriplicifolia</i>	Pale Indian plantain	orn	in	out	out	4 12 wks @ 39%, move to 68% for germ.		-6 thin	10 p	psun		
<i>Calla tuberosa</i>	Prarie Indian plantain	orn	in	out	out	4 12 wks @ 39%, move to 68% for germ.		-12 thin	10 p	psun		
<i>Calamagrostis arundinacea</i>	Feather reed grass	grass	out	in	out	1 -2 wks @ 68%, rapid germ.		-3 covr	24 p	psun		moist, rich soil zone 5
<i>Calamita grandiflora</i>	Mint savary	orn	in	out	out	8 2.4 wks @ 68%, 4.6 wks @ 39%, move to 53% for germ.		-12 surf	8 p	psun		10' -20' high, not a pretty plant
<i>Calendula officinalis</i>	Pot marigold	orange & yellow	orn	out	out	1 low outdoors, -2 wks @ 68% in dark, rapid germ.		-1 covr	10 ha	fsun		grow cool
<i>Callitriche bicolor</i>	Callitriche	Catpiss	orn	out	out	1 low outdoors, -2 wks @ 55%, rapid germ.		-1 covr	10 a	fsun		
<i>Callitriche chinensis</i>	Aster	white	orn	out	out	1 -2 wks @ 68%, rapid germ.		-5 covr	15 a	fsun		cut flower, grows to 24", self sows, grow cool
<i>Calyceanthus floridus</i>	Carolina allspice	white	shrub	out	in	4 12 wks @ 39%, move to 68% for erratic germ.		-12 covr	72 p	fsun		Aster yellows virus spread by leafhoppers 6to9' high x 6to12' spread can be sown outdoors in December
<i>Camassia cusickii</i>	Cusick's camas	pale blue	orn	in	in	5 low @ 39%, germ. erratic, often many months		-12 thin	20 hbv	fsun		favourite of grizzly bears
<i>Camassia leitchii</i> alba	Larges camas	cream	orn	in	in	5 low @ 39%, germ. erratic, often many months		-12 thin	20 hbv	fsun		4 to 5 yrs to flower from seed
<i>Camassia quamash</i>	Small camas	violet blue	orn	in	in	5 low @ 39%, germ. erratic, often many months		-12 thin	20 hbv	fsun		favourite of grizzly bears
<i>Campanula allardii</i>	Bells	white	orn	in	in	4 12 wks @ 39%, move to 68% for germ.		-12 surf	24 p	psun		4 to 5 yrs to flower from seed
<i>Campanula arvensis</i>	American bellflower	white	orn	in	out	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		
<i>Campanula carpatica</i>	Tussock bellflower	checks	orn	in	out	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		to 10' high
<i>Campanula divaricata</i>	Small bonny bellflower	white	orn	in	out	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		
<i>Campanula glomerata</i>	Clustered bellflower	purple	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	18 p	psun		moist soil - fertilize in spring
<i>Campanula latifolia</i>	Giant bellflower	Great	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		well drained soil but kept moist, 5 ft tall
<i>Campanula latifolia</i> 'brantwood'	Giant bellflower	Great	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		well drained soil but kept moist, 5 ft tall
<i>Campanula medium</i>	Caterbury bells	mixed	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	12 b	psun		to zone 8, start 6 in fall, hold over in winter
<i>Campanula persicifolia</i>	Peachleaf bellflower	blue	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		evengreen to zone 3
<i>Campanula persicifolia</i> alba	Peachleaf bellflower	white	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-7 surf	24 p	psun		evengreen to zone 3
<i>Campsis radicans</i>	Trumpet vine	scarlet	vine	out	in	4 8 wks @ 39%, move to 68% for germ.		-10 thin	15 a	fsun		grows 40 to 50 ft
<i>Campsis x tagliabuana</i>	Trumpet vine	orange	vine	out	in	4 8 wks @ 39%, move to 68% for germ.		-10 thin	15 a	fsun		grows to 90 ft, orange/pink, 24
<i>Capiscum annuum</i>	Hot pepper, orn #2	black	vege	orn	in	1 -2 wks @ 68%, rapid germ.		-7 surf	24 a	fsun		grow cool
<i>Capiscum annuum</i>	Pepper, hot	black	vege	orn	in	1 -2 wks @ 68%, rapid germ.		-7 surf	24 a	fsun		grow cool
<i>Capiscum annuum</i>	Pepper, orn	Christmas	vege	orn	in	1 -2 wks @ 72% in lite, rapid germ.		-7 surf	30 a	fsun		grow cool
<i>Capiscum annuum</i>	Pepper, orn	Konjuyu pepper	vege	orn	in	1 -2 wks @ 72% in lite, rapid germ.		-5 surf	30 a	fsun		grow cool
<i>Capiscum baccatum</i>	White pepper	white	vege	orn	in	1 -2 wks @ 72% in lite, rapid germ.		-5 surf	30 a	fsun		grow cool
<i>Capiscum pubescens</i>	Manzano Peru pepper	violet	vege	orn	in	1 -2 wks @ 72% in lite, rapid germ.		-5 surf	30 a	fsun		grow cool
<i>Caragana albocincta</i>	Siberian peardash	yellow	shrub	in	out	15-Apr nick coat, 2 wks @ 39%, move to 68%		-9 covr	120 p	fsun		
<i>Caragana arborea</i>	Low yew	white	in	out	1/15/2016 stretch soak soil, -2 wks @ 72%, rapid germ.		-8 covr	15 a	fsun			requires support to 3m
<i>Carex bicknellii</i>	Bicknell's sedge	grass	out	in	out	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-8 covr	clump	p	fsun	will grow in shade
<i>Carex buchanani</i>	Leather leaf sedge	grass	out	in	out	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-8 covr	clump	p	psun	Constantly moist, fast draining, rocky soil
<i>Carex comans</i>	New Zealand hair sedge	grass	out	in	out	8 4 wks @ 68%, 4 wks @ 39%, move to 53% for germ.		-12 covr	clump	p	psun	Constantly moist, fast draining, rocky soil
<i>Carex dipsacata</i> (dipsacca)	Tabscoia	grass	in	in	out	8 4 wks @ 68%, 4 wks @ 39%, move to 53% for germ.		-12 covr	clump	p	psun	Constantly moist, fast draining, rocky soil
<i>Carex glauca</i>	Blue sedge	grass	in	in	out	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-8 covr	clump	p	psun	moist, fertile loam
<i>Carex grayi</i>	Morning star sedge	grass	in	in	out	2 -2 wks @ 70% in light, slow germ. from 2 to 14 weeks		-8 covr	clump	p	fsun	wet in spring, almost dry in summer
<i>Carex muricata</i>	Rough sedge	grass	in	in	out	8 4 wks @ 68%, 4 wks @ 39%, move to 53% for germ.		-12 covr	clump	p	psun	moist, rich soil
<i>Carex pendula</i>	Leather sedge	grass	in	in	out	2 -2 wks @ 70% in light, slow germ. from 2 to 14 weeks		-8 covr	clump	p	psun	requires cage
<i>Carex crumiflora</i>	Caraway	white	herb	in	in	2 low outdoors, -2 wks @ 68%, slow germ.		-10 covr	14 b	fsun		allows to self sow or sow at once
<i>Caryopteris bungei</i>	Bluebeard	blue	shrub	in	in	1 -2 wks @ 68% in lite, rapid germ.		-12 surf	12 p	psun		Seed deteriorates in dry storage
<i>Caryopteris lincolnii</i>	Bluebeard	blue mist	shrub	in	in	1 -2 wks @ 68% in lite, rapid germ.		-12 surf	12 p	psun		allow to self sow or sow at once
<i>Catalpa speciosa</i>	Indian bean tree	white	tree	out	in	1 -2 wks @ 68%, rapid germ.		-8 thin	480 p	fsun		
<i>Catananche caerulea</i>	Cupid's dart	bicolor	orn	in	in	1 -2 wks @ 68%, rapid germ.		0 thin	10 p	psun		2-3 ft height, grow cool
<i>Cathartus roseus</i> (vinc)	Penwile	little banche	orn	in	in	1 5 days @ 80%, move to 75% in dark, rapid germ.		-10 thin	6 a	fsun		transplant to 4 wks after last frost to full sun
<i>Celosia argentea</i> 'plumosa'	Pampas plume	red	orn	in	in	1 -2 wks @ 75% in lite, rapid germ.		-4 surf	12 a	fsun		Set out celosias 2 weeks after last frost
<i>Centaurea cyanus</i>	Comflower	mix	orn	in	out	1 low outdoors, -2 wks @ 68% in dark, rapid germ.		0 covr	12 a	fsun		expose to sun and wind for lower height overall
<i>Centaurea eriantha</i>	Perisno cornflower	white	orn	in	out	1 -2 wks @ 68%, rapid germ.		-6 thin	18 p	fsun		
<i>Centaurea jacea</i>	Brownray knapweed	white	orn	in	in	1 -2 wks @ 68% in darkness, rapid germ.		-6 thin	8 p	fsun		
<i>Centaurea macrocephala</i>	Baslet flower	yellow	orn	in	in	1 -2 wks @ 68%, rapid germ.		-7 covr	12 p	fsun		May need staking, feed every spring
<i>Centaurea macrocephala</i>	Baslet flower	yellow	orn	in	in	1 -2 wks @ 68%, rapid germ.		-7 covr	12 p	fsun		May need staking, feed every spring
<i>Centaurea montana</i>	Mountain cornflower	blue	orn	in	in	1 -2 wks @ 68%, rapid germ.		-6 thin	13 p	fsun		
<i>Centaurea nigra</i>	Lesser knapweed	purple	orn	out	in	2 -2 wks @ 68%, slow germ.		-6 thin	12 p	fsun		
<i>Centaurea orientalis</i>	Knapweed	cream	orn	in	in	1 -2 wks @ 68%, rapid germ.		-5 thin	12 p	fsun		
<i>Centaurea phrygia</i>	Violet	violet	orn	in	out	2 -2 wks @ 68%, erratic germ.		-10 thin	8 p	fsun		
<i>Centaurea pulchella</i>	Yellow	yellow	orn	in	out	2 -2 wks @ 68%, erratic germ.		-10 thin	8 p	fsun		
<i>Centranthus ruber</i>	Valerian	red	orn	out	in	1 -2 wks @ 63% in lite, rapid germ.		-6 surf	12 p	fsun		root has special properties
<i>Centranthus ruber</i> alba	Snowcud valerian	white	orn	out	in	2 -2 wks @ 68%, slow germ.		-6 thin	8 p	fsun		cover this
<i>Cephalanthus occidentalis</i>	Butterfly bush	orange	orn	in	out	1 -2 wks @ 68%, rapid germ.		-6 thin	120 p	fsun		wetlands and swampy places, up to 12 ft.
<i>Cephalanthus giganteus</i>	Cephalanthus	light yellow	orn	out	in	3 -3.4 wks @ 60%, if no germ. 1 wks @ 39%, then 60%		-8 thin	12 p	fsun		to 6 x 4 ft
<i>Cephalanthus giganteus</i>	Cephalanthus	white	orn	out	in	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-8 thin	12 p	fsun		to 8 ft, wild garden
<i>Ceratium muhlenbergii</i>	Snow in summer	white	orn	out	in	1 -2 wks @ 68%, rapid germ.		-8 covr	clump	p	fsun	moist, rich soil, dry soil
<i>Cerastium tomentosum</i>	Snow in summer	white	orn	out	in	3 -3.4 wks @ 65%, if no germ. 2.4 wks @ 39%, then 65%		-3 surf	10 p	fsun		keep soil moist - fertilize sparingly
<i>Chaenactis japonica</i>	Quince, dwarf	Rosa's quince	shrub	out	in	17-Sep for germ.		25 covr	72 p	fsun		3ft x 6ft, not for private landscape
<i>Chamaemelum nobile</i>	Chamomile	Roman herb	out	in	out	1 -2 wks @ 68%, rapid germ.		0 covr	clump	p	fsun	
<i>Chamaemelum nobile</i>	Indian woodfoam	grass	in	in	out	1 -2 wks @ 68%, rapid germ.		-3 thin	clump	a	psun	moist, rich soil
<i>Chenanthus altilius</i>	Siberian wallflower	orange	orn	in	in	1 -2 wks @ 68%, rapid germ.		-7 thin	8 a	fsun		seed killed by 6 mo. dry storage (40 or 70) store
<i>Chelidonium majus</i>	Greatercelandine	yellow	herb	out	in	13 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-18 thin	12 a	fsun		seed moist only
<i>Chelone glabra</i>	White turtlehead	white	orn	out	in	5 2.4 wks @ 68% in lite, indefinite wks @ 39%		-12 surf	8 hg	fsun		flowers in 2 to 3 years, requires support
<i>Chenopodium amygdaloideum</i>	Epazote	Mexican tea	orn	out	in	1 -2 wks @ 75%, rapid germ.		-5 thin	8 a	fsun		soapy film must be scrubbed from grain
<i>Chenopodium quinoa</i>	Quinoa	orange	grain	out	in	1 -2 wks @ 68%, rapid germ.		-4 covr	12 a	fsun		poor, acid soil, with low rainfall, flowers in the spring
<i>Chionochloa pallida</i>	Wallaby grass	grass	out	in	out	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-8 covr	clump	p	fsun	syn. Dactyloctenium aegyptium
<i>Chiranthus villosus</i>	Golden eye aster	yellow	orn	out	in	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-10 thin	15 a	fsun		syn. Heterotheca villosa
<i>Chlorophytum comosum</i>	Black snake root	white	herb	out	in	5 16 wks @ 68%, move to 39% indefinitely		-5 covr	26 p	psun		3 to 6 ft high, deep loamy soil
<i>Cimicifuga racemosa</i>	Snake root	white	herb	out	in	5 16 wks @ 68%, move to 39% indefinitely		-18 covr	26 p	psun		5 to 8 ft high, deep loamy soil
<i>Clerodendron bungei</i>	Dusty Miller	purple	orn	out	in	1 -2 wks @ 68% in lite, rapid germ.		-13 surf	12 hg	psun		grow cool
<i>Clerodendron bungei</i>	Watermelon	yellow dol	vege	out	in	1 low outdoors, -2 wks @ 75%, rapid germ.		2 covr	48 a	fsun		best variety
<i>Clarkia elegans</i>	Clarkia	apple blossom	orn	out	in	1 -2 wks @ 68%, rapid germ.		-3 thin	8 a	fsun		to 20 inches
<i>Claytonia rupestris</i>	Miner's lettuce	purple	orn	out	in	10 surface sow outdoors in the fall for spring germ.		25 covr	20 a	psun		grow warm, 70-75
<i>Clodopodium vulgare</i>	Wild basil	rose purple	herb	in	in	1 -2 wks @ 72%, rapid germ.		-4 thin	12 p	fsun		
<i>Codonopsis clematidea</i>	Climbing bellflower	soft blue	orn	out	in	3 -3.4 wks @ 68%, if no germ. 2.4 wks @ 39%, then 68%		-10 thin	6 p	fsun		rock garden, moist, rich soil
<i>Cola acuminata</i>	Job's tears	rainbow mix	grass	in	in	1 -2 wks @ 68%, rapid germ.		-6 covr	clump	a	fsun	
<i>Coleus scutellarioides</i>	Common coleus	varied	orn	in	in	1 -2 wks @ 75% in lite, rapid germ.		-11 surf	12 a	psun		moist soil but subject to damping off
<i>Coleus grandiflorus</i>	Coleus grandiflorus	varied	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-5 surf	9 a	fsun		aka. tickseed
<i>Coleus lanceolatus</i>	Lanceolated coleus	varied	orn	in	in	1 -2 wks @ 68% in lite, rapid germ.		-5 surf	9 a	fsun		grow cool, 55
<i>Coleus tricolor</i>	Plains coleus	red/yellow	orn	out	in	1 -2 wks @ 68% in lite, rapid germ.		-5 surf	9 a	fsun		almost a bog plant, grow cool, 55
<i>Coriandrum sativum</i>	Coriander/cilantro	white	herb	out	in	1 low outdoors, -2 wks @ 60% in dark, rapid germ.		-8 covr	12 a	fsun		Do not grow near fennel, grow cool, 55
<i>Cortusa methusa</i>	Zinnia	orange	orn	out	in	2 -2 wks @ 68%, slow germ.		-8 surf	6 p	psun		rock garden
<i>Corydalis calyciflora</i>	Corydalis	yellow	orn	out	in	9 low outdoors, 2.4 wks @ 68%, 4.6 wks @ 39%, move to 53% for germ.		25 thin	12 p	psun		12x24", yellow flower, short lived seed
<i>Corydalis lutea</i>	Yellow bleeding heart	yellow	orn	out	in	10 2.4 wks @ 68%, 4.6 wks @ 39%, move to 53% for germ.		25 thin	12 p	psun		short lived seed
<i>Cosmos bipinnatus</i>	Cosmos	Pink/Red mix	orn	out	in	1 -2 wks @ 68%, rapid germ.		-5 covr	15 a	fsun		No fertilizer - deadhead regularly
<i>Cosmos coggeria</i>	Snakebush	purple	shrub	out	in	17-Apr wash seeds, 12 wks @ 39%, move to 53% for germ.		-15 thin	180 p	fsun		10x10", 44
<i>Cotoneaster acuminatus</i>	King of the Pygmies	red	shrub	out	in	17-Oct wash seeds, low outdoors in fall, slow germ. up to 18 months		-25 covr	180 p	fsun		well drained, loose, fertile soil
<i>Cotoneaster horizontalis</i>	Herring bone cotoneaster	pink	shrub	out	in	17-Oct wash seeds, low outdoors in fall, slow germ. up to 18 months		-25 covr	180 p	fsun		well drained, loose, fertile soil
<i>Cotoneaster ex luciferi</i>	Excelsior cotoneaster	scarlet/yellow	shrub	out	in	2 -2 wks @ 68%, slow germ.		-6 thin	18 p	fsun		3-4 ft
<i>Cucumis melo</i>	Cucumis melo	yellow	vege	in	in	1 low outdoors, -2 wks @ 75%, rapid germ.		1 covr	24 a	fsun		small fruit will

Botanical name <small>(name from Wikipedia)</small>	Common name	Variety/color	type of plant	Seed stock	Method Sowing Method	Weeks before last frost:	Weeks before last frost date	Sowing depth	Space	Life cycle	Transplant to	Comments (soil requirement, height, etc)
Digitalis lanata	Greian fonglove	rusty yellow	orn	in		1 -2 wks @ 68°F in lite, rapid germ	-4	surf	12	p	fsun	
Digitalis lutea	Straw fonglove	light yellow	orn	in		2 -2 wks @ 68°F in lite, 21-40d	2	surf	12	p	fsun	grow cool, 55-60
Digitalis purpurea	Fonglove	pink	orn	in		1 -2 wks @ 63°F in lite, rapid germ	-6	surf	15	b	psba	fresh seed only grow cool, 55-60
Digitalis purpurea x nevadense	Purple fonglove	purple	orn	in		1 -2 wks @ 63°F in lite, rapid germ	-6	surf	15	b	psba	fresh seed only grow cool, 55-60
Digitalis thapsi	Digitalis thapsi	orn	in	in		1 -2 wks @ 63°F in lite, rapid germ	-6	surf	15	b	psba	fresh seed only vigorous self-sower, invasive to the max.
Diplotis fulurium	Fullers tealard	lavender	orn	out		1 low outdoors, -2 wks @ 63°F in lite, rapid germ	0	surf	12	p	fsun	to 1 ft - bee plant
Dolichos lablab	Hyacinth bean vine	purple	orn	in		1 low outdoors, -2 wks @ 68°F, rapid germ	0	surf	6	p	fsun	trellis to 10 ft, pod, toxic unless cooked
Dolichos ligulosus	Australian pea	orn	in	in		1 soak, -2 wks @ 68°F, rapid germ	-1	covr	6	p	fsun	to 10 ft, pod, toxic unless cooked
Draconopholum canescens	Draconopholum	blue	orn	in		15-50 wks @ 39°F; germ. erratic, often many months	10	thin	10	p	fsun	
Draconopholum spectrum	Draconopholum	blue	orn	in		5-10 wks @ 39°F; germ. erratic, often many months	10	thin	10	p	fsun	
Echinochloa scabra aurea	Chilean glory flower	gold vine	orn	in		2 -2 wks @ 60°F, 21-60 days germ	-6	clump	11	p	fsun	climber, 6-10 ft
Echinacea pallida	Pale purple coneflower	pale pink	orn	out		8 wks @ 39°F, move to 50°F for germ.	-13	covr	10	p	fsun	grow cool, 50
Echinacea purpurea	Coneflower	yellow	orn	in		1 -2 wks @ 60°F; if no germ., 2-4 wks @ 39°F, then 68°F	8	thin	12	p	fsun	
Echinacea purpurea 'White Swan'	Coneflower	white	orn	in		8 wks @ 39°F, move to 50°F for germ.	-13	covr	10	p	fsun	dry soil, grow cool, 50
Echinacea tomentosus	Tennessee coneflower	white	orn	out		8 wks @ 39°F, move to 50°F for germ.	-13	covr	10	p	fsun	dry soil, grow cool, 50
Echinops ritro 'veitch blue'	Blue globe thistle	ice blue	orn	in		1 -2 wks @ 68°F; rapid germ.	-4	thin	10	p	fsun	grow cool, 50
Echium vulgare	Viper's bugloss	pink/blue	orn	in		1 -2 wks @ 68°F; rapid germ.	-5	thin	6	a	fsun	
Echium russicum	Echium	orn	in	in		1 -2 wks @ 68°F; rapid germ.	-5	thin	6	b	fsun	
Elaeagnus umbellata	Autumn olive	shrub	out	13-17		wash seed, 6 wks @ 72°F, 6-8 wks @ 39°F, 4-6 wks @ 50°F, repeat	15	covr	132	p	fsun	15 x 13 ft
Elymus canadensis	Canada wild rye	grass	in			3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F	-8	covr	clump	p	fsun	
Epilobium angustifolium	Fraxweed	white	orn	out		1 -2 wks @ 68°F; rapid germ.	-5	thin	10	p	fsun	Spreads by underground runners
Epilobium dodonaei	Alpine willowherb	purple	shrub	out		5-6 months @ 39°F, then 72°F	25	surf	6	p	fsun	8 to 32"
Epilobium fleischeri	Alpine willowherb	purple	orn	out		5-6 months @ 39°F, then 72°F	25	surf	6	p	fsun	rock garden decumbent
Erigeron annuus	White fleabane	grass	in	in		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in light	-8	surf	clump	p	fsun	sandy, rich soil, needs staking when in flower
Erigeron philadelphicus	Sand leucogress	grass	in	in		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in light	-8	surf	clump	p	fsun	sandy, rich soil, needs staking when in flower
Erigeron philadelphicus	White fleabane	white	orn	out		2 -2 wks @ 68°F in lite, slow germ	-5	thin	6	a	fsun	2.7-9
Erigeron leucanthemifolius	Erigeron	orn	out	in		1 -2 wks @ 68°F in lite, rapid germ	-6	thin	10	a	fsun	
Erigeron speciosus	Aquatic fleabane	pink	orn	in		1 -2 wks @ 68°F in lite, rapid germ	-6	thin	10	a	fsun	to 25 ft high
Eriophyllum lanatum	Woolly sunflower	yellow	orn	out		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F	-10	thin	6	p	fsun	rock garden spreader
Erodium manscap	Storkbill	wine red	orn	out		1 -2 wks @ 68°F; rapid germ.	-6	thin	6	p	psba	
Erugium amethystinum	Amethyst eryngo	blue	orn	in		4-12 wks @ 39°F; move to 68°F for germ.	-13	thin	15	p	fsun	
Erugium bourgatii	Pyrrean eryngo	blue	orn	in		8-24 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ.	-18	thin	6	p	fsun	rock garden
Erugium bromellifolium	Erugium	orn	in	in		1 -2 wks @ 68°F; rapid germ.	-6	thin	6	a	fsun	rock garden
Erugium elaeagnifolium	Eryngo	orn	out	in		8-24 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ.	-18	thin	6	b	fsun	to 6 ft.
Erugium foetidum	Fake chameleon	green	orn	in		1 -2 wks @ 68°F; rapid germ.	-5	thin	10	a	fsun	
Erugium giganteum	Miss Wilmont's ghost	heavy white	orn	out		8-24 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ.	-18	thin	6	b	fsun	zone 6
Erugium leucanthemifolium	Leucanthemifolium	white	orn	out		dry store cold frn, then sow @ 72°F; rapid germ.	-6	thin	6	b	fsun	zone 6
Erugium maritimum	Sea holly	pale blue	orn	in		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F	-8	thin	6	p	fsun	zone 6
Erugium pandanifolium	Eryngo	green	orn	in		8-24 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ.	-18	thin	6	b	fsun	zone 6
Erugium planum	Flaming eryngo	steel blue	orn	in		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F	-10	thin	6	p	fsun	zone 6, 60-80 cm
Erugium yuccifolium	Morocco sea holly	white	orn	in		4-12 wks @ 39°F; move to 68°F for germ.	-13	thin	6	b	fsun	zone 6, 60-80 cm
Eryngium yuccifolium	Rattlesnake master	white	orn	in		4-12 wks @ 39°F; move to 68°F for germ.	-13	thin	12	p	fsun	set out in second spring
Erythronium californicum	California fawn lily	white	orn	out		10-12 wks @ 39°F; move to 53°F for germ.	-25	covr	10	p	fsun	cool weather plant, sow in fall
Erythronium cicutaria	Silver dollar plant	pot plant	house	out		1 -2 wks @ 68°F; rapid germ.	-8	thin	10	a	psba	pot plant
Erythronium breyeri	Pink ribbons	pot plant	house	out		1 -2 wks @ 68°F; rapid germ.	-1	thin	6	ha	psba	pot plant to 12"
Eupatorium ageratoides	Eupatorium	white	orn	out		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in lite	-5	surf	12	p	fsun	cannot handle sun
Eupatorium coelestinum	Blue midwater	blue	orn	in		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in lite	-5	surf	12	p	fsun	
Eupatorium coelestinum alba	Midwater	white	orn	in		3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in lite	-5	surf	12	p	fsun	
Eupatorium foeniculum	Fennel	off-white	orn	out		8-12 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in lite	-15	surf	12	p	fsun	grow cool, 55-60
Eupatorium greggii	Palmleaf thoroughwort	orn	out			3-4 wks @ 68°F; if no germ., 2-4 wks @ 39°F, then 68°F in lite	-5	surf	12	p	fsun	to 5 ft tall, protect from afternoon sun
Eupatorium maculatum	Smokeweed	purple	orn	out		8-24 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ. in lite	-18	surf	6	p	fsun	requires constant moisture
Eupatorium perfoliatum	White snakeroot	white	orn	out		1 -2 wks @ 68°F in lite, rapid germ	-5	surf	12	p	fsun	IO tentative?
Eupatorium purpureum	Sweet Joe-weed	pinkish white	orn	in		1 -2 wks @ 68°F in lite, rapid germ	-5	surf	12	p	fsun	
Eupatorium rugosum	White snakeroot	white	orn	in		1 -2 wks @ 68°F; rapid germ.	-5	surf	12	p	fsun	shade plant
Eupatorium sessilifolium	Upland boniset	white	orn	in		1 -2 wks @ 68°F; rapid germ.	-5	surf	12	p	fsun	
Euphorbia cathartica	Mexican fire plant	yellow	orn	out		1 -2 wks @ 68°F; rapid germ.	0	covr	18	a	fsun	invasive reseeder
Euphorbia heterophylla 'yoko's white'	Yucca	orn	in	in		1 -2 wks @ 68°F; rapid germ.	0	covr	18	a	fsun	
Euphorbia hibernica	Goose spurge	rose	orn	out		1 low outdoors, -2 wks @ 68°F; rapid germ.	-8	covr	18	p	fsun	
Euphorbia marginata	Snow on the mountain	white	orn	in		1 low outdoors, -2 wks @ 68°F; rapid germ.	0	covr	18	p	fsun	invasive - do not allow seed to ripen
Euphorbia myrsinites	Myrtle spurge	yellow	orn	in		1 -2 wks @ 68°F in lite, if no germ. 4 wks @ 39°F; recycle	0	surf	12	p	psba	sow seeds where plants are to grow
Euphorbia polychroma	Cushion spurge	yellow	orn	out		1 -2 wks @ 68°F in lite, if no germ. 4 wks @ 39°F; recycle	0	surf	12	p	psba	grow cool, 50-55
Eustoma russellianum	Lisianthus	series	orn	out		1 -2 wks @ 68°F in lite, rapid germ.	-25	surf	2	a	psun	After 7 wks, go to 65°F nite & 78° day temp
Fetisia gluca	Blue fetica	grass	out			1 -2 wks @ 68°F; rapid germ.	-15	clump	p	psun	moist, well drained soil	
Filipendula hepatica	Meadowswamp	white	orn	in		4-6 wks @ 39°F, move to 68°F for germ.	-12	thin	15	p	fsun	2.5ft x 3ft
Ficoclella tenaculum	Fraxweed	white	orn	out		1 low outdoors, -2 wks @ 68°F; rapid germ.	-1	covr	10	p	fsun	grow cool, 55-60
Foeniculum vulgare 'variegatum'	Bronze fennel	yellow herb	in	in		1 -2 wks @ 68°F in dark, rapid germ	-1	covr	18	p	fsun	grow cool, 55-60°F
Gaillardia aristata 'gold'n'	Blanket flower	red/yellow	orn	out		1 -2 wks @ 73°F in lite, rapid germ	-9	surf	12	p	fsun	grow cool, 55-60
Gaillardia borealis	Blanketflower	double mix	orn	out		2-2 wks @ 73°F in lite, slow germ	-9	surf	12	p	fsun	to 2 ft
Gaillardia pachistea	Firewheel	red flames	orn	in		1 -2 wks @ 73°F in lite, rapid germ	-9	surf	12	p	fsun	grow cool, 55-60
Galearia officinalis	Goat's rue	mauve/white	orn	in		2 -2 wks @ 68°F, slow germ.	-5	thin	12	p	fsun	grow cool, 55-60
Galearia canadensis	Galearia	white	orn	in		2 -2 wks @ 68°F, slow germ.	-6	thin	12	p	fsun	bulb, 2 to 3 yrs to flower
Galbanus thalictori	Salt marsh	shrub	out	17-19		wash seed, -2 wks @ 68°F in lite, rapid germ.	-5	thin	18	a	psun	to 1 ft, needs lime-free moist soil
Gaura lindheimeri	Gaura	white	orn	out		2 -2 wks @ 68°F, slow germ.	-5	thin	18	p	psun	without water and fertilizer
Gazania linearis	Gazania	mini-star	orn	out		1 -2 wks @ 68°F; rapid germ.	-6	covr	10	a	fsun	grow cool, 55-60
Gentiana andrewii	Bottle gentian	orn	out			1 low outdoors, 2-4 wks @ 68°F, 4-6 mths @ 21°F, move to 53°F for germ.	-25	surf	8	p	fsun	or sow in fall, cold stratify for 1 to 3 yrs
Geranium aspidodeloides	Cranesbill	orn	out			1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psun	cut back in midsummer; for the wild garden
Geranium caspium	Cranesbill	pink	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psun	
Geranium hibernense	Cranesbill	blue	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psun	
Geranium 'kashmir blue'	Cranesbill	blue	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psun	syn. w/s. grandiflorum + G. mechochlo
Geranium maculatum	Cranesbill	pink	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psba	(G. pratense albidiflorum + G. carleki 'kashmir wh')
Geranium phaeum album	Mourning widow	purple	orn	out		5-10 wks @ 39°F; germ. erratic, often many months	-15	thin	12	p	psba	cut back in midsummer
Geranium pratense	Cranesbill, meadow	pale blue	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psun	cut back in midsummer
Geranium psilostemon	Cranesbill	magenta	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	24	p	psun	magenta w/black center, for the border
Geranium pyrenaicum	Cranesbill, pyrenean	ferna	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psba	12" mounded rosettes
Geranium sanguineum	Bloody cranesbill	scarlet	orn	out		1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	fsun	prefers sand or gravel
Geranium sp.	white/dark blue	orn	out			1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psba	Might be G. 'loiy'
Geranium sp.	Blue Bitch	orn	out			1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psba	cut back in midsummer
Geranium sp.	pink/red stripe	orn	out			1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psba	cut back in midsummer
Geranium sp.	variegated	orn	out			1 low outdoors, -2 wks @ 55°F; rapid germ.	-9	thin	12	p	psba	cut back in midsummer
Geberga jamesonii	Transalpy daisy	apricot	orn	out		1 -2 wks @ 75°F in lite, rapid germ.	-10	surf	10	a	fsun	keep moist, keep crown above soil
Geum chilense (Quelley)	Geum	brn. bradshaw	orn	out		1 -2 wks @ 68°F in lite, rapid germ.	-6	surf	8	p	fsun	grow cool, 55-60
Geum chilense (Quelley)	Geum	stratheden	orn	out		1 -2 wks @ 68°F in lite, rapid germ.	-6	surf	8	p	fsun	grow cool, 55-60
Geum triflorum	Prairie smoke	red	orn	out		4-6 wks @ 39°F, move to 68°F for germ.	-10	thin	clump	p	fsun	requires 6 m 5D
Gilia capitata	Globe gilia	lavender & blue	orn	out		1 -2 wks @ 68°F; rapid germ.	-5	thin	6	a	fsun	
Gilia tricolor	Birds eyes	cream	orn	out		1 -2 wks @ 68°F; rapid germ.	-3	thin	6	ha		

Botanical name <small>Source: <a href="#">HowtoGrow.com</a> and <a href="#">Garden.org</a></small>	Common name	Variety/color	type of plant	Seed stock	Method Sowing Method	Weeks before last frost	Weeks before last frost date	Sowing depth	Space	Life cycle	Transplan to	Comments (soil requirement, height, etc)	
Lactuca sativa	Lettuce	summer-tine	head	veg	in	1 row outdoors, <2 wks @ 68°F in lite, rapid germ.	4	surf	6	faun	grow cool, 55-58		
Lagotis ovatus	Hare's tail grass	yellow	grass	orn	out	1 -<2 wks @ 68°F, rapid germ.	2	surf	clump	faun	grow cool, 55-58	tolerant dry shade	
Lamium galeobdolon	Yellow archangel	yellow	orn	out	9 low outdoors, 2-4 wks @ 68°F, 4 mths @ 21°F, move to 53°F for germ. soak seed 48 hrs, replace with warm water every 8 hrs, sow @ 70°F for germ in 6 wks, keep warm	25	th	15	faun	well drained sandy soil			
Lantana urticoides	West Indian shrubverbenas	yellow/orange	pink	orn	in	16-Jan nick coat, <2 wks @ 68°F, rapid germ.	8	thin	15	faun	to 6 ft height - staking required	grow cool, 50-55	
Lathyrus sylvester	Sweet pea	pink	orn	in	1/15/2016 nick and soak, sow outdoors <2 wks @ 68°F in the dark, rapid germ.	2	cover	10	a	faun	to 6 ft height - staking required	grow cool, 50-55	
Lathyrus sylvestris	Narrowleaf everlasting	pea purple	pink	orn	in	1/15/2016 nick and soak, sow outdoors <2 wks @ 68°F in the dark, rapid germ.	2	cover	10	a	faun	to 6 ft height - staking required	grow cool, 50-55
Lavandula angustifolia	Lavender	purple	herb	out	4 wks @ 39°F, move to 63°F for 1.5 mths germ.	8	thin	12	p	faun	zone 6-9, requires winter mulch	chill seed 1 year	
Lavandula lancea	Woolly lavender	purple	herb	out	4 wks @ 39°F, move to 63°F for 1.5 mths germ.	8	thin	12	p	faun	zone 6-9, requires winter mulch	chill seed 1 year	
Lavatera arborea	Tree mallow	pink	orn	in	5 wks @ 39°F, germ. @ 39°F	15	cover	24	b	paha	hardy to zone 6 or 7, 10 ft high	Never transplant Lavateras	
Lavula elegans	Lily-turf	yellow	orn	out	1 -<2 wks @ 68°F, rapid germ.	5	thin	12	p	faun	5		
Leclum graniticolum	Lamb's ear	red/pink	shrub	out	0 After GA-3 soak, <2 wks @ 68°F, slow germ.	12	cover	60	p	faun	5ft x 5ft		
Leonurus cardiaca	Motherwort	red/pink	orn	out	3-4 wks @ 68°F, if no germ., 2-4 wks @ 39°F, then 68°F	10	thin	16	p	faun	to 5 ft tall, M - A bloom	sometimes known as Agrifolia	
Leonurus maritimus	Lion's tail	red/pink	orn	out	1 -<2 wks @ 68°F, rapid germ.	4	thin	6	p	faun			
Lespedeza bicolor	Rush clover	herb	out	15-Jan nick coat, <2 wks @ 68°F, rapid germ.	6	thin	12	p	faun		do not try to transplant after established		
Leucanthemum vulgare	Ox-eye daisy	white	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	5	surf	12	a	faun	bloom second year, to 2 1/2 ft tall, M - A bloom	grow cool, 55-60	
Leucanthemum x superbum	Shasta daisy	white	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	5	surf	12	p	faun	bloom second year, to 2 1/2 ft tall, M - A bloom	grow cool, 55-60	
Levisticum officinale	Lovage	yellow	herb	out	1 -<2 wks @ 68°F, rapid germ.	4	cover	24	p	faun			
Leucostemum formosa	Pheasant berry	purple	shrub	out	2 ->2 wks @ 63°F, slow germ. 30-60d	6	thin	18	p	faun	solitaire plant, 6x1ft		
Liatris aspera	Rough blazing star	purple-red	orn	out	4-12 wks @ 39°F, move to 68°F for germ.	15	surf	12	p	faun		many empty seeds, grow cool, 50	
Liatris mucronata	Case fanleaf	purple	orn	out	4-12 wks @ 39°F, move to 68°F for germ.	15	surf	12	p	faun		many empty seeds, grow cool, 50	
Liatris punctata	Dotted blazing star	purple	orn	in	4-12 wks @ 39°F, move to 68°F for germ.	15	surf	12	p	faun		many empty seeds, grow cool, 50	
Liatris pycnostachya	Prairie blazing star	cattail	pyliferath	orn	in	4-12 wks @ 39°F, move to 68°F for germ.	15	surf	12	p	faun		5 to 5 ft tall, Jy - S bloom
Liatris scarioa neu	Neuwland's pyfliferath	blue/red	orn	out	4-12 wks @ 39°F, move to 68°F for germ.	15	surf	12	p	faun		many empty seeds, grow cool, 50	
Liatris spicata 'lobellif'	Marsh blazing star	purple	orn	in	4-12 wks @ 39°F, move to 68°F for germ.	15	surf	12	p	faun		many empty seeds, grow cool, 50	
Libertia grandiflora	New Zealand Satin Fern	plant	white-patio	orn	out	1 -<2 wks @ 75°F, rapid germ.	4	thin	10	tp	paha		seeds produced by any one plant will be viable only if the plant is very happy repeat cycle if necessary
Ligularia detorta	Leopard plant	white to yellow	orn	in	6-4 wks @ 55-60°F, germ. erratic in 6 months or more	17	thin	12	p	faun	3 to 5 ft high, germ 30 to 180 days, or sow @ 39°F, move to 68°F after 4 weeks	pot plant, prefers cool weather	
Lilium formosum	Formosa lily	White, to 7 ft.	orn	in	8-4 wks @ 68°F, 4 wks @ 39°F, move to 50°F for germ.	15	surf	12	p	faun		must be kept moist at all times	
Lilium martagon	Turk's cap lily	dark pink	orn	out	5-wk @ 39°F, erratic, months	18	thin	12	p	faun		must be kept moist at all times	
Lilium philippense	Philippine lily	streaks	orn	out	8-4 wks @ 68°F, 4 wks @ 39°F, move to 50°F for germ.	15	surf	12	p	faun		must be kept moist at all times	
Lilium plumum	Card lily	Red, to 3 ft.	orn	in	8-4 wks @ 68°F, 4 wks @ 39°F, move to 50°F for germ.	15	surf	12	p	faun		must be kept moist at all times	
Limonium douglasii	Peach egg plant	purple	orn	out	1 -<2 wks @ 68°F, rapid germ.	6	thin	12	p	faun		Comes from dry open stony ground to FT - vigorous self sower	
Limonium statice	Statice	German	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	7	cover	15	p	faun		do not divide clumps, no transplant	
Liraria purpurea 'Canon J. Wenz'	Toadflax	blue/pink	orn	in	3-4 wks @ 68°F, if no germ., 2-4 wks @ 39°F, then 68°F	4	cover	12	p	faun			
Linum grandiflorum	Flax	blue	orn	in	1 low outdoors, <2 wks @ 68°F, rapid germ.	0	cover	dump	2	p	faun		
Linum perenne lewisii	Blue flax	blue	orn	in	1 -<2 wks @ 68°F, rapid germ.	0	cover	6	p	faun			
Lobelia cardinalis	Cardinal flower	red	orn	in	1 -<2 wks @ 75°F in lite, rapid germ.	8	surf	6	p	faun		moist soil	
Lobelia erinus	Lobelia	training	orn	in	1 -<2 wks @ 75°F in lite, rapid germ.	8	surf	6	p	faun		moist soil	
Lobelia siphylatica	Great blue lobelia	blue	orn	out	4-12 wks @ 39°F, move to 68°F in light. for germ. 5-13d	12	surf	6	a	paha		moist soils	
Lobularia maritima	Alumroot	lavender	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	4	surf	6	a	faun		grow cool, 50-55	
Loposiphium nudicaule	Pink brush	pink	orn	out	1 -<2 wks @ 68°F, rapid germ.	4	thin	12	tp	faun		to FT - vigorous self sower	
Lotus corniculatus	Birdfoot trefoil	yellow	orn	out	1 -<2 wks @ 68°F, rapid germ.	3	thin	6	p	faun		ground cover	
Ludwigia alternifolia	Seedbox	yellow	orn	in	4-6 wks @ 39°F, move to 68°F for germ.	12	surf	12	p	faun			
Luzania berens	Money plant	white	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	6	surf	8	p	faun		grow cool, 55-60	
Luzula arborea	Tree lupin	plant	shrub	out	15-Jan nick coat, <2 wks @ 68°F, rapid germ.	25	cover	24	p	paha		to zone 8, sandy soil	
Luzium polyphyllo	15-Feb neck coat, <2 wks @ 68°F, rapid germ.	purple	orn	out	15-Feb nick coat, <2 wks @ 68°F, rapid germ.	6	cover	12	p	faun		may be short-lived if winter soil is wet	
Luzium zosterifolium	Snowy woodrush	white	grass	in	3-4 wks @ 68°F, if no germ., 2-4 wks @ 39°F, then 68°F	8	thin	dump	p	paha		moist, rich soils	
Lynchis chalcidonica	Maltese cross	red	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis chalcidonica alba	Maltese cross	white	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis chalcidonica 'mergenot'	Maltese cross	pink	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis cognata	Brilliant campion	orange	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis coronaria	Rose campion	rose	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis coronaria 'angel blush'	Mullein pink	white/pink	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis migueliana	Lynchis	red/orange	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis sieboldii	Lynchis	red	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis viscaria 'plena'	Clammy campion	pink	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	9	surf	8	p	faun		20-30 cm	
Lynchis wilfordii	Lynchis	pink	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	10	p	faun		grow cool, 50	
Lynchis x arhanghii	Lynchis	'vesnaria'	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	5	surf	12	p	faun			
Lynchis x haageana	Lynchis	'mix'	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	6	surf	12	p	faun			
Lynchis yunnanensis	Lynchis	red	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	6	surf	12	p	faun			
Lysiphanthes scutellum	Tomato F1	Ultra Sweet	vege	in	1 -<2 wks @ 75°F, rapid germ.	3	cover	30	p	faun		High cage	
Lycopus virginicus	BUGWEED	orn	out	4-6 wks @ 39°F, move to 68°F for germ.	12	surf	12	p	faun		2.5 ft high		
Lysimachia punctata	Large yellow loosestrife	yellow	orn	in	3-4 wks @ 68°F, if no germ., 2-4 wks @ 39°F, then 68°F	8	surf	12	p	faun		T&M: 3D-1206/55-60/psun	
Lythrum virgatum	Purple loosestrife	'rose queen'	orn	out	3-4 wks @ 68°F in lite, if no germ., 2-4 wks @ 39°F, then 68°F	6	surf	24	p	faun			
Lythrum virgatum	Purple loosestrife	purple	orn	out	3-4 wks @ 68°F in lite, if no germ., 2-4 wks @ 39°F, then 68°F	6	surf	24	p	faun			
Mada elegans	Tarweed	yellow	orn	in	4-6 wks @ 39°F, move to 68°F for germ.	12	surf	12	p	faun			
Malva sylvestris	Malva arborea	purple	orn	out	1 -<2 wks @ 71°F, rapid germ.	4	cover	12	p	psun		keep on dry side during winter months	
Marubium corymbosum	Marubium	blue	orn	out	1 -<2 wks @ 75°F, rapid germ.	3	thin	10	p	faun		self sows, grow cool, 50	
Marubium flavibudatum	Marubium	white	orn	out	1 -<2 wks @ 75°F, rapid germ.	3	thin	10	p	faun			
Marubium incanum	Horehound	white	orn	out	1 -<2 wks @ 75°F, rapid germ.	3	thin	10	p	faun			
Marubium supinum	Horehound	white	orn	out	1 -<2 wks @ 75°F, rapid germ.	3	thin	10	p	faun			
Marrubium stramonium	Evening Stock	blue	orn	out	1 -<2 wks @ 68°F, rapid germ.	4	thin	10	b	paha		Cool weather preferred, no PM sun	
Meconopsis betulaefolia	Thalium blue poppy	blue	orn	out	3-4 wks @ 68°F, if no germ., 2-4 wks @ 39°F, then 68°F	4	thin	10	b	paha		well-drained moist soil	
Medicago sativa	Alfalfa	orn	out	1 low outdoors, <2 wks @ 68°F, rapid germ.	0	cover	18	hp	faun		roots are too strong for tiller		
Melia azadirachta	Urnshrub tree	China-berry	tree	out	1 -<2 wks @ 68°F, rapid germ.	4	cover	p	faun		Three to 4 ft, zone 9		
Melica chata	Nodding melic	grass	in	1 6-wk @ 39°F, move to 68°F for germ. in 14 to 21 days.	6	cover	dump	6	p	faun			
Melissa officinalis	Lemon balm	orn	out	1 -<2 wks @ 68°F, rapid germ.	6	thin	12	p	paha		prefers cool location, fertile & moist		
Melissophyllum crinitiflorum	Ice Plant	mix	orn	out	1 -<2 wks @ 68°F, rapid germ.	5	cover	10	a	faun		mulch crowns for winter	
Melissa scaberrima	White bonnet	white/pink	orn	out	1 -<2 wks @ 75°F, rapid germ.	3	thin	12	p	faun			
Monarda x hybrid	Monarda	yellow	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	8	surf	3	a	paha		very tender miniature plant	
Mirabilis jalapa	Four o'clock	yellow	orn	in	1 low outdoors, <2 wks @ 72°F, rapid germ.	1	cover	24	a	faun		grow cool	
Molluccella lewisii	Bells of Ireland	orn	out	4-2 wks @ 39°F, 3 wks @ 68°F in lite	12	surf	8	a	faun		diskless transplanting		
Momordica charantia	Balsam pear	yellow	orn	out	1 -<2 wks @ 68°F, rapid germ.	0	cover	a	faun		vine to 15 ft, zone 8		
Monarda astromotana	Monarda	yellow	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	7	surf	12	p	paha		M. crotocosa sp. astromotana	
Monarda badriana	Eastern beebalm	pinkish white	orn	in	1 -<2 wks @ 68°F in lite, rapid germ.	7	surf	12	p	paha		prefer moist soils	
Monarda didyma	Scarlet beebalm	white	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	7	surf	12	p	paha		sensitive to mildew, spreader	
Monarda fistulosa	Wild bergamot	lavender	orn	in	4-2 wks @ 39°F, move to 68°F	9	surf	12	p	paha		2.5 ft high	
Monarda x hybrida 'lambada'	Bergamot hybrid lambada	purple	orn	in	4-2 wks @ 39°F, move to 68°F	9	surf	12	p	paha		2.5 ft high	
Monarda longifolia	Whorl flower	orn	in	1 -<2 wks @ 68°F, rapid germ.	6	cover	15	p	faun		slow indur. pots only		
Moussot sp.	Grape hyacinth	purple	orn	out	3-4 wks @ 68°F, if no germ., 2-4 wks @ 39°F, then 68°F	6	thin	dump	6	p	faun		
Myosotis alpestris	Forget-me-not	blue	orn	out	1 -<2 wks @ 68°F in lite, rapid germ.	10	surf	10	p	paha		plants sensitive to botrytis in chicago latitudes germination begins 80 to 100 days after stratification @ 39°F	
Myrica odorata	Sweet cicely	white	orn	in	10 low outdoors in the fall for spring germ.	25	surf	18	p	faun		germinates during second year	
Nemesia strumosa	Nemesia	nello	orn	out	1 -<2 wks @ 68°F in dark, rapid germ.	5	thin	12	a	faun			
Nonnophila menziesii	Baby blue eyes												
Nepeta catappa	Catnip	white	herb	out	1 -<2 wks @ 68°F in dark, rapid germ.	7	thin	12	p	faun		grow	

Botanical name	Common name	Variety/color	type of plant	Seed stock	Method Sowing Method	Weeks before last frost:	Weeks before last frost date	Sowing depth	Space	Life cycle	Transplan to	Comments (soil requirement, height, etc)	
Penstemon digitalis 'husker red'	Red beardtongue	pink	orn	in	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	psun	plant en masse	
Penstemon exoni	Exon's firecracker	red	orn	in	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	12	p	psun	basal leaves whorled flowers on 3ft high stalk	
Penstemon furcatus	Butch beardtongue	pink/lavender	orn	in	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ. move to 50°F for germ.	18	surf	12	p	psun	16"x18" document, protect from PM sun	
Penstemon grandiflorus	Large beardtongue	white	orn	out	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	fsun	prairie plant	
Penstemon latifolius ssp. latifolius	Lanceleaf beardtongue	lavender-pink	orn	out	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	fsun	10" tall, upright for rocks and trough gardens	
Penstemon oerolius	Eggleaf beardtongue	medium blue	orn	in	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	psun	watch for early germ, while in cold stratification	
Penstemon pseudopatellaris	Desert penstemon	pink	orn	out	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	fsun	all penstemons prefer dry soil	
Penstemon schubertii	Carrot beardtongue	pink to purple	orn	out	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	fsun	sprays broadly	
Penstemon rupicola	Rock penstemon	pink to purple	orn	in	4	Surface sow 8 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	fsun	2 ft tall, rocky cliffs, slides, and sandy washes	
Penstemon strictus 'bandera'	Rocky Mountain penstemon	blue to purple	orn	in	4	Surface sow 12 wks @ 40°F (4°C), needs light for germ.	18	surf	8	p	fsun	2 x 2, spreading, meadow garden	
Penstemon stipitatus	Whipple's penstemon	penstemon	orn	out	4	Surface sow 8 wks @ 40°F (4°C), move to 70°F for germ. under light	18	surf	8	p	psun	all penstemons prefer dry soil	
Penstemon stricklandii 'pink's peak purple'	Choctaw	penstemon	orn	in	10	low on pots outdoors on Jan 1st for germ, in Apr to May	18	surf	8	p	psun		
Periploca graeca	Grecian silk vine	purple/white	orn	in	4	6 wks @ 39°F, move to 68°F for germ.	12	surf	12	p	fsun	T&M: 30-60@65-70°F 26-9	
Perovskia atriplicifolia	Russian sage	purple	orn	out	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	10	thin	20	p	fsun	protect crown w/ mulch in winter	
Petrea volubilis	Queen's wreath	pink	vine	out	1	-2 wks @ 75°F, rapid germ.	-5	cover	10	p	fsun	keep soil moist	
Petrorhizon scopulorum	Pasture	Italian flat leaf	orn	in	16	low on pots outdoors -2 wks @ 68°F, rapid germ.	2	cover	10	p	fsun	grow cool	
Petunia grandiflora	Petunia	red	orn	in	1	-2 wks @ 77°F in lit, rapid germ.	10	surf	10	a	fsun	grow cool, 55-60	
Phacelia tanacetifolia	Fiddleneck	blue to mauve	orn	out	1	-2 wks @ 68°F, rapid germ.	-6	thin	12	a	psun	moist, rich soil	
Phalaris arundinacea f. variegata	Ribbon grass	grass	orn	out	5	low @ 39°F, germ. erratic, often many months	18	cover	10	p	psun	zone 4	
Phalaris canariensis	Canary grass	grass	orn	out	1	-2 wks @ 68°F, rapid germ.	0	cover	10	p	psun	cut flower while green, or after blown & dry	
Phlox subulata	Blue phlox	derby	veg	out	1	low outdoors, -2 wks @ 68°F, rapid germ.	2	cover	6	a	fsun	use inoculant	
Phlox paniculata	Sea phlox	pink	veg	out	1	-2 wks @ 68°F, rapid germ.	10	cover	20	p	psun	3 - 5 ft high zone 7	
Phlox drummondii	Garden phlox	mixed	orn	out	1	-2 wks @ 63°F in dark, rapid germ.	-6	cover	9	a	fsun	container plant will grow in part shade	
Physalis allekengi	Bladder cherry	orn	out	1	WC 7d, -2 wks @ 68°F, rapid germ.	-5	thin	10	p	fsun	protect from mildew, grow cool, 50-55		
Physalis virginiana	Obelisk plant	summer white	orn	in	4	12 wks @ 39°F, move to 68°F for slow germ.	15	thin	24	p	fsun	prefers moist soil	
Plymnia nigra	Horned rampion	black/white	orn	out	2	-2 wks @ 68°F, slow germ.	-7	surf	6	p	psun	sharp drainage	
Psychotria octandra	Purple flower	white	orn	out	4	2-4 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ.	18	thin	12	p	psun		
Pimpinella saxifraga	Burnet saxifrage	white	orn	in	1	-2 wks @ 68°F, rapid germ.	-7	thin	8	p	fsun		
Pisum sativum	Pea	Maestro	veg	out	1	low outdoors, -2 wks @ 68°F, rapid germ.	-5	cover	6	a	fsun		
Pistacia occidentalis	Sumac	tree	orn	in	3	3-4 wks @ 68°F, if no germ, move to 39°F, then 68°F	10	cover	360	p	fsun	large leaves, attractive bark	
Platycodon grandiflora v. alba	Balloonflower	white	orn	out	3	4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-6	surf	8	p	fsun	ht=2 to 3 ft	
Poleophilium heandrium	Himalayan myopale	blue	orn	in	17	WC 1st wk, -2 wks @ 68°F, rapid germ.	-6	cover	18	p	psun	needs deep soft soil in filtered light or shade	
Polemonium caeruleum	Jacob's ladder	blue	orn	in	1	-2 wks @ 68°F, rapid germ.	-11	thin	12	p	psun	keep soil moist	
Polemonium poliochroum	Pine trumpet	yellow	orn	in	2	-2 wks @ 68°F, slow germ.	-7	cover	18	p	psun	keep soil moist	
Polygonum 'purple pirn'	Polygonum yenseense	white	orn	in	2	-2 wks @ 68°F, slow germ.	-7	cover	18	p	psun	keep soil moist	
Polygonum suberectum	Portulaca	vine	orn	in	5	low @ 39°F, germ. erratic	15	surf	10	p	fsun	runaway climber	
Potentilla arguta	Tall cinquefoil	white/yellow	orn	in	1	-2 wks @ 68°F in lit, rapid germ.	-6	surf	6	p	fsun	Demands full sun and sharp drainage	
Potentilla atrorubra	Cinquefoil	red	orn	in	1	-2 wks @ 68°F in lit, rapid germ.	-6	surf	6	p	fsun	Demands full sun and sharp drainage	
Potentilla magnifica	Bright yellow	light yellow	orn	out	1	-2 wks @ 68°F in lit, rapid germ.	-6	surf	6	p	fsun	Demands full sun and sharp drainage	
Potentilla thurburii	Scarlet cinquefoil	dark red	orn	in	1	-2 wks @ 68°F in lit, rapid germ.	-6	surf	6	p	fsun	Demands full sun and sharp drainage	
Prenanthes alba	White rattlesnake-root	orn	out	4	6 wks @ 39°F, move to 68°F for germ.	12	surf	12	p	psun			
Prenanthes aspera	Rough rattlesnake-root	orn	out	4	6 wks @ 39°F, move to 68°F for germ.	12	surf	12	p	psun			
Primula fortinada	Prinrose	lemon-yellow	orn	out	2	-2 wks @ 68°F in light, slow germ.	-6	surf	12	p	psun	fsun if soil always moist	
Primula frondosa	Prinrose	rose-lilac	orn	out	2	-2 wks @ 68°F, slow germ.	-6	surf	12	p	psun	fsun if soil always moist	
Primula japonica	Prinrose	orn	out	4	4-6 wks @ 39°F, move to 70°F for germ.	14	surf	12	p	psun	responds to 2% KN03 and 500 to 1000 ppm GA-3		
Primula scheidtii	Prinrose	blue	orn	out	4	12 wks @ 39°F, move to oscillating 60 to 80°F for germ., recycle	18	surf	12	p	psun	6" to zone 5	
Primula verticillata	Cowslip	orange	orn	out	1	-2 wks @ 68°F in lit, rapid germ.	-10	surf	12	p	psun	does not like heat	
Primula vulgaris	Cowslip	orange	orn	out	1	-2 wks @ 68°F in lit, rapid germ.	-10	surf	12	p	psun	does not like heat	
Prinosida louisiana	Unicorn plant	white	orn	in	2	Remove black seed covering first, 10 days @ 70°F	-6	cover	48	a	p	fsun	3ft w/
Prinosida paniflora	Doubleblue	blue	orn	in	2	Remove black seed covering first, 10 days @ 70°F	-6	cover	48	a	p	fsun	3ft w/
Prunella grandiflora	Self heal	pagoda	herb	out	1	-2 wks @ 68°F, rapid germ.	1	cover	8	p	psun	to 1 foot, purple flowers	
Prunella tinctoria	Hyacinth	blue	orn	in	12	4 wks @ 39°F, move to 70°F for germ.	18	cover	12	p	psun		
Pulmonaria saccharata	Lungwort	blue/pink	orn	out	1	low outdoors, -2 wks @ 50°F, rapid germ.	-6	thin	12	p	psun		
Pulsatilla allana f. lutea	Passiflora	purple	orn	out	9	2-4 wks @ 68°F, 4-6 wks @ 39°F, move to 53°F for germ.	25	surf	8	p	psun	ferry folage, dry soil, sharp drainage	
Pulsatilla vulgaris rubra	Pulsatilla	red	orn	in	4	2 wks @ 68°F, rapid germ.	4	thin	8	p	psun	germinates in the fall, snow fresh only	
Pyrola rotundifolia	Whorled mountainmint	lavender	orn	in	2	-2 wks @ 68°F, slow germ.	-7	thin	8	p	fsun		
Raphanus sativus	Radish	5 variety blend	veg	out	1	low outdoors, -2 wks @ 50°F, rapid germ.	-3	cover	2	a	fsun	best variety tried	
Rabdiola columbiana	Yellow bat	yellow	orn	out	3	3-4 wks @ 68°F, rapid germ.	-2	surf	12	p	psun		
Rabdiola pinata	Praine coneflower	yellow	orn	in	4	9 wks @ 39°F, move to 80°F for germ.	13	cover	18	a	fsun		
Reesda odorata	Mignonette	mk	orn	out	1	-2 wks @ 68°F, rapid germ.	-3	thin	6	a	fsun		
Rhus palmutum	Turkey rhubarb	red	orn	out	1	-2 wks @ 68°F, rapid germ.	-6	thin	24	p	psun	humus-rich, moisture retentive	
Rhodiola atrorubra	Purple leaf vine	vine	orn	in	2	-2 wks @ 68°F, slow germ.	-11	surf	10	p	psun		
Rhus typhina 'lanitana'	Catleaf sumac	red/old leaves	shrub	out	3/15/2016	68°F in lit, no germ, 3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 10	10	surf	36	p	fsun	purchase seed	
Rhynchospora phaeolepis	Semilla de chitalhuia	vine	orn	out	15	Jan link coat, -2 wks @ 77°F, rapid germ.	-9	thin	12	a	fsun	Do not soak seed	
Ricinus communis 'carmenita'	Caster bean	red	orn	out	16	Jan link coat, -2 wks @ 60°F, rapid germ.	-6	cover	36	a	fsun		
Romaninus officinalis	Rosemary	herb	out	1	-2 wks @ 68°F in lit, rapid germ.	0	surf	12	p	psun	indoors during winter		
Rubus callosus	Cock's foot	no petals	orn	in	1	-2 wks @ 72°F in lit, rapid germ.	-2	surf	12	p	psun	grow cool, 55-58	
Rubus odoratus	Blackberry	yellow	orn	in	1	-2 wks @ 72°F in lit, rapid germ.	-2	surf	12	p	psun	best to treat as an annual	
Rubusida hirta burpeeii	Grosvon daisy	yellow	orn	out	1	-2 wks @ 72°F in lit, rapid germ.	-2	surf	12	p	psun	grow cool, 50	
Rubusida maxima	Gremlin	yellow	orn	in	2	-2 wks @ 68°F, slow germ.	-3	thin	24	p	psun	to 8" plant pan	
Rua graveolens	Rue	yellow	herb	out	1	-2 wks @ 68°F, rapid germ.	-2	thin	12	p	psun		
Saccharum roseanum	Plume grass	grass	in	15	Jan Extract tiny black seeds from pods first, -2 wks @ 68°F, rapid germ.	-6	thin	clump	10	p	fsun	moist, rich soil	
Salvia argentea	Silver sage	white	herb	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-3	surf	10	hb	fsun	2 - 4 ft high in flw, but it is best not to allow the plant to flower.	
Salvia buchaniana	Sage	herb	in	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-3	surf	10	p	psun	2 ft high in flower, zone 6, from china		
Salvia canescens	Scarlet sage	blue/white	orn	in	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-6	surf	10	a	psun	grow cool, pinch	
Salvia coccinea	Scarlet sage	red	orn	in	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-6	surf	12	p	psun	grow cool, pinch	
Salvia farinacea	Mealybug sage	blue	orn	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-6	surf	12	p	psun	loved by bumblebees	
Salvia funkhoiana	Indigo woodland sage	blue/white	orn	in	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-6	thin	12	b	psun	grow cool, pinch	
Salvia gmelina	Sidley sage	light yellow	orn	out	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	-6	thin	6	p	psun	grow cool, pinch	
Salvia hairs	sage	orn	out	1	-2 wks @ 68°F in light, rapid germ.	-6	thin	8	p	psun			
Salvia lyrata	lyre-leaved sage	sage	orn	out	2	-2 wks @ 68°F in light, slow germ.	-6	thin	8	p	psun	40-60 cm, bee plant	
Salvia triloba	Sage	orn	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-3	surf	8	p	psun	purple-leaf mottled foliage, to 2'		
Salvia microphylla var. wislizenii ssp. lysimachias	Lythrum	deep pink	orn	out	1	-2 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-2	surf	12	p	psun	lemon scented foliage, hardy to zone 6	
Salvia millirostris	Sage	purple	orn	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-5	thin	15	p	psun		
Salvia nemorosa 'fordii/land'	Sage	purple	orn	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-5	thin	6	p	psun		
Salvia officinalis	Sage	Culinary	herb	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-1	surf	15	p	fsun	grow cool, 55-58	
Salvia patens	Genian sage	blue	orn	out	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	-5	thin	6	ha	psun		
Salvia pratensis	Meadow clary	blue	orn	out	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	-5	thin	6	p	psun		
Salvia reuteri	Tan shen	blue	orn	in	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	-6	thin	10	p	psun		
Salvia rosmarinifolia	Decorative salvia	blue	orn	in	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	-6	thin	10	p	psun		
Salvia rosmarinifolia	Decorative salvia	blue	orn	in	3	3-4 wks @ 68°F, if no germ, -2.4 wks @ 39°F, then 68°F	-6	thin	10	p	psun		
Salvia sclarea	Clary sage	pinkish blue	herb	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-3	surf	15	b	psun	2 to 3 ft high, flower second year	
Salvia ex-pansis	Sage	blue/white	orn	in	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-2	surf	15	p	psun		
Salvia transpariana	Transpariana sage	blue	orn	out	3	3-4 wks @ 68°F in lit, if no germ, -2.4 wks @ 39°F, then 68°F	-2	surf	10	p	psun	cover	

Botanical name <small>Source: <a href="https://panclother hort.net/panclother.html">https://panclother hort.net/panclother.html</a></small>	Common name	Variety/color	type of plant	Seed stock	Method Sowing Method	Weeks before last frost:	Weeks before last frost date	Sowing depth	Space	Life cycle	Transplan to	Comments (soil requirement, height, etc)		
Solidago sempervirens	Seaside goldenrod	yellow	orn	in	1 -2 wks @ 50% <sup>o</sup> , rapid germ.		-9	thin	12	p	fsun			
Solidago speciosa	Showy goldenrod	yellow	orn	in	1 -2 wks @ 50% <sup>o</sup> , rapid germ.		-9	thin	12	p	fsun	2 to 4 ft tall, zone 5, not particular		
Solidago sphacelata	Autumn goldenrod	yellow	orn	out	1 -2 wks @ 50% <sup>o</sup> , rapid germ.		-9	thin	12	p	fsun	slow heavily as only 5% of seeds develop		
Solidago x stabilekrona	Crown of eyes	yellow	orn	in	1 -2 wks @ 50% <sup>o</sup> , rapid germ.		-9	thin	12	p	fsun			
Sorbaria sorbifolia	Sorbaria	shrub	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		12	surf	120	p	fsun	6ft x 10ft, aka Spirea sorbifolia, invasive	may not be suitable for small garden		
Sorbus americana	Mountain ash	tree	out	10	low outdoors in the fall for spring germ.		25	cover	120	p	psun	slow grower, short life, keep very wet		
Sorbus aucuparia	European mountain ash	white	tree	out	4-12 wks @ 39% <sup>o</sup> , move to 68% for germ.		-15	thin	150	p	fsun	zone 3		
Sorghastrum nutans	Indian grass	grass	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-3	thin	clump	p	fsun	to 5', dry or well drained, A - 5 bloom, tolerant	glossy bronze seedhead, zone 4		
Spodopogon sibiricus	Frost grass	grass	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-3	surf	clump	p	psun	moist, rich soil, well drained	zone 5		
Sparganium heterophyllum	Prairie dropseed	grass	in	2 -2 wks @ 68% <sup>o</sup> , slow germ.		7	thin	clump	p	fsun	to 2 or 3 ft., A - O bloom, dry rocky soil	zone 3		
Stachys byzantina	Lamb's ear	violet pink	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	10	p	psun	grow cool		
Staphylea trifolia	American bladdernut	yellow	shrub	in	8-12 wks @ 70% <sup>o</sup> , 12 wks @ 39% <sup>o</sup> , move to 70% <sup>o</sup> , repeat		25	cover	240	p	fsun	ephemeral seed, do not allow to dry out	10 x 6 up to 15 x 10 (height and width), constantly moist	
Stipa calamagrostis	Silver spike grass	grass	out	5	low @ 39% <sup>o</sup> , erratic, many months		-13	cover	clump	p	fsun	rich, well drained soil	zone 7	
Stipa tenuissima	Needlegrass	grass	out	5	low @ 39% <sup>o</sup> , erratic, many months		-13	cover	clump	p	fsun	rich, well drained soil	zone 7	
Stokesia laevis	Stokes aster	blue	orn	out	2 -2 wks @ 68% <sup>o</sup> , slow germ.		-10	thin	18	p	fsun	will not endure poor drainage in clay soil		
Symphandra hoffmanii	Ring bellflower	cream	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	15	p	fsun	24		
Symphandra pendula	Ring bellflower	cream	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	15	p	fsun	24		
Tagesia patula	French marigold	dwarf, yellow	orn	out	1 -2 wks @ 70% <sup>o</sup> in lite, rapid germ.		-5	surf	15	a	fsun	cover seed lightly with verms.	grow cool	
Tanacetum albipannosum	Tanacetum	orn	in	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-7	thin	12	p	psun	grow cool, 55-60			
Tanacetum coccineum	Painted daisy	red/yellow	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-7	thin	12	p	psun	bloom second year	grow cool, 55-60	
Tanacetum demerri	Rock garden tansy	yellow/white	orn	in	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-7	thin	12	p	psun	grow cool, 55-60		
Tanacetum huronense	Lake Huron tansy	yellow	orn	in	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-7	thin	12	p	psun	grow cool, 55-60		
Tanacetum inebriatum	Silver tansy	white	orn	in	4 wks @ 39% <sup>o</sup> , move to 68% in lite for germ.		-5	surf	12	p	fsun			
Tanacetum patthianum	Wood sage	herb	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	thin	20	p	fsun				
Tanacetum praetervitum	Tanacetum	yellow/white	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	p	fsun			
Tanacetum vulgare	Tansy	yellow	herb	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	p	fsun	use dried as control for ants, etc.	invasive - plant in lawn bed	
Tetelia speciosa	Large yellow eye	yellow	orn	in	4-8 wks @ 39% <sup>o</sup> , move to 68% for germ.		-15	thin	30	p	fsun	to 3-4', most shade, widely spaced	zone 7	
Tellima grandiflora	Fringe cups	orn	out	2-2 wks @ 68% <sup>o</sup> in lite, slow germ.		-6	surf	12	p	psun	moist humusy soil	1% to 2 ft high, dappled shade		
Teucrium hircanicum	Germander, caucasian	purple	orn	out	4-8 wks @ 39% <sup>o</sup> , move to coldframe for oscillating temps.		-15	thin	12	p	fsun	hard to start		
Teucrium scordiscium	Wood sage	shrub	out	1 -2 wks @ 72% <sup>o</sup> , rapid germ.		-5	thin	20	p	fsun				
Thalictrum aquilegifolium	Columbine meadow	pink/white	orn	in	4-8 wks @ 39% <sup>o</sup> , move to 68% for germ.		-15	cover	12	p	psun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum chelonoides	Meadow rue	blue/white	orn	out	4-8 wks @ 39% <sup>o</sup> , move to 68% for germ.		-15	cover	12	p	psun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum delavayi	Large yellow eye	yellow	orn	out	4-8 wks @ 39% <sup>o</sup> , move to 68% for germ.		-15	cover	12	p	psun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum dipetalocephalum	Meadow rue	blue/white	orn	out	3-4 wks @ 68% <sup>o</sup> , if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	thin	6	p	fsun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum flavum	Common meadow rue	yellow	orn	in	3-4 wks @ 68% <sup>o</sup> , if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	thin	6	p	fsun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum heliophilum	Cathedral Blue meadow rue	blue	orn	in	3-4 wks @ 68% <sup>o</sup> , if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	thin	6	p	fsun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum minus	Lesser meadow rue	yellow	orn	out	3-4 wks @ 68% <sup>o</sup> , if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	thin	6	p	fsun	3 to 4 ft high, well drained soil	germination low and sporadic.	
Thalictrum rochebrunianum	Meadow rue	rose/lilac	orn	out	3-4 wks @ 68% <sup>o</sup> , if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	thin	6	p	fsun	to zone 8		
Thermopsis montana	Golden banner	yellow	orn	out	2/15/2016 nick and soak, >2 wks @ 70-75% <sup>o</sup> , slow germ. 20-90		-6	thin	10	p	fsun	puncture seed coat.		
Thunbergia alata	Black-eyed susan vine	gold/purple	vine	in	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		0	cover	10	a	fsun	for trellis or hanging basket, zone 10		
Thymus vulgaris	Thyme	blue/english	herb	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-1	cover	10	tp	psun	indoors during winter	grow cool, 55-58	
Trichostema dichotoma	Blue curls	blue	orn	in	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-3	thin	10	p	fsun			
Tricyrtis hirta	Toad lily	mid	orn	out	8-4 wks @ 68% <sup>o</sup> , 4 wks @ 39% <sup>o</sup> , move to 53% for germ.		-15	thin	8	p	fsun	20 cm		
Trifolium rubens	Red trefoil	red	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-5	cover	8	p	fsun	20 cm		
Troilus europaeus	Goatsbeaver	orange/yellow	orn	out	13 wks @ 39% <sup>o</sup> , 5-8 wks @ 39% <sup>o</sup> , 4 wks @ 50% <sup>o</sup> , repeat		-17	thin	10	p	psun	28" x 1.5ft, shade from afternoon sun	needs GA3 gibberellic acid for germ.	
Tropaeolum majus	Nasturtium	tall single mix	orn	out	1	low outdoors, <2 wks @ 68% <sup>o</sup> in dark, rapid germ.		-4	cover	8	a	fsun	resent transplanting, 5 ft climber	best shown where they are to grow
Vaccinium vitis-idaea	Cowberry/mtn. cranberry	groundcover	shrub	out	9	low outdoors, 2-4 wks @ 68% <sup>o</sup> , 4-6 mths @ 21% <sup>o</sup> , move to 53% for germ.		25	cover	12	p	fsun	10 inches x 3ft ft.	
Veratrum viride	Amer. white hellebore	green	orn	out	8-2 wks @ 68% <sup>o</sup> , 4-6 wks @ 39% <sup>o</sup> , move to 53% for germ.		-18	thin	6	p	fsun			
Verbascum blattaria	Moth mullein	yellow & lilac	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	hp	psun	1" yellow flowers on long stalks,	followed by everlasting seed pods	
Verbascum blattaria alba	Moth mullein	white	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	hp	psun	1" yellow flowers on long stalks,	followed by everlasting seed pods	
Verbascum boniferyanum	Mulien	arctic summer	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	b	psun	zone 6		
Verbascum blattaria alba	White nettle leaved mullein	white	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	p	psun			
Verbascum thymifolium	White mullein	white	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	hp	psun			
Verbascum thymifolium	Purple mullein	purple	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	hp	psun	do not fertilize or will grow too tall	grow cool, 50	
Verbascum virgatum	Wand mullein	white	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-5	surf	12	b	psun	zone 7		
Verbena bonariensis	Tall verbena	purple	orn	in	4 wks @ 39% <sup>o</sup> , move to 68% in darkness for germ. or sow outdoors in the fall		-8	cover	15	a	fsun			
Verbena hortensis	Trailing verbena	purple	orn	out	2 -2 wks @ 68% <sup>o</sup> in dark, slow germ.		-7	thin	2	a	fsun	drought tolerant, good hanging basket plant		
Verbena rigida	Tuberous verbena	purple	orn	in	4 wks @ 39% <sup>o</sup> , move to 68% for germ.		-12	thin	8	p	fsun	slow germ, irregular		
Vernonia altissima	Tall ironweed	purple	orn	out	4-12 wks @ 39% <sup>o</sup> , move to 68% slowly for germ.		-12	thin	10	p	fsun	sow heavily, mostly empty seeds	prefers moist soil	
Vernonia baldwinii	Baldwin's ironweed	purple	orn	out	4-12 wks @ 39% <sup>o</sup> , move to 68% slowly for germ.		-12	thin	10	p	fsun	sow heavily, mostly empty seeds	prefers moist soil	
Vernonia missouriensis	Missouri ironweed	purple	orn	in	4-12 wks @ 39% <sup>o</sup> , move to 68% slowly for germ.		-12	thin	10	p	fsun	sow heavily, mostly empty seeds	prefers moist soil	
Vernonia noveboracensis	Ironweed	purple	orn	out	4-12 wks @ 39% <sup>o</sup> , move to 68% slowly for germ.		-12	thin	10	p	fsun	sow heavily, mostly empty seeds	prefers moist soil	
Vernonia austriaca	Broadleaf speedwell	knallblau	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-6	surf	12	p	fsun	erect, tending toward decumbent	grow cool, 55	
Vernonia beccabunga	European speedwell	blue/pink	orn	in	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.	10 cm, procurrent	
Vernonia frutescens	Rock speedwell	blue/red eye	orn	in	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.	5-15 cm.	
Vernonia gentianoides	Speedwell	blue	orn	in	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.		
Vernonia incana	Speedwell	pink	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-6	surf	12	p	fsun		grow cool, 55	
Vernonia kochiana	Speedwell	blue	orn	in	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.		
Vernonia laenderi chami	Speedwell	blue violet	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-6	surf	12	p	fsun	loved by bumblebees	grow cool, 55	
Vernonia longifolia	Speedwell	blue	orn	out	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-6	surf	12	p	fsun		grow cool, 55	
Vernonia repens	Caricoid speedwell	pale blue to white (pink)	orn	in	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.	5 to 10 cm	
Vernonia sareoides	Speedwell	deep blue	orn	in	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.	10 cm	
Vernonia schmidiana	Speedwell	blue	orn	out	3-4 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-6	surf	12	p	fsun		grow cool, 55	
Vernonia spicata	Spiked speedwell	blue	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-6	surf	12	p	fsun	loved by bumblebees	grow cool, 55	
Vernonia taucicola	Speedwell	lt. blue	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-10	surf	6	p	fsun	rock garden, needs lite for germ.		
Vernoniastrum virginica alba	Cavers root	white	orn	in	1 -2 wks @ 68% <sup>o</sup> in lite, rapid germ.		-8	surf	12	p	fsun	PM shade, well drained soils, esp. in winter	5 to 6 ft tall, in 5 bloom	
Vicia cornuta	Princess	yellow	orn	out	1 -2 wks @ 68% <sup>o</sup> in dark, rapid germ.		-9	cover	6	p	fsun			
Vicia wittrockiana	Parrot	yellow	orn	out	1 -2 wks @ 68% <sup>o</sup> in dark, rapid germ.		-10	thin	10	a	fsun	fun to part shade is ok	grow cool, 50-55	
Vitis aestivalis	Chastetree	white	shrub	out	2-3m @ 70% <sup>o</sup> , move to 70% <sup>o</sup> in lite for germ. in 6-12 days		-18	cover	48	p	fsun	zone 6		
Xeranthemum anuum	Immortelle	mk	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-3	thin	6	a	fsun	poor, dry soil		
Yucca filamentosa	Adam's needle	white	orn	in	3-4 wks @ 68% <sup>o</sup> , if no germ., 2-4 wks @ 39% <sup>o</sup> , then 68% <sup>o</sup>		-3	cover	18	p	fsun			
Zizia aurea	Night phlox	white	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-3	thin	10	a	fsun			
Zizia aurea	Night phlox	white	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-3	thin	10	a	fsun			
Zizia aurea	Night phlox	white	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.		-3	thin	10	a	fsun			
Zizia aurea	Night phlox	white	orn	out	1 -2 wks @ 68% <sup>o</sup> , rapid germ.</									