

Flower Planting Guide

2024



Name	page	item#	Botanical Name	ABP	height	uses	season	sow	start	temp	days	notes
Achillea (Yarrow)	94	4803ff	<i>Achillea</i> spp.	P	18-24"	BDC	ES-F	DS DF TP	8-10	C	10-14	Lt
Ageratum	94	4811ff	<i>Ageratum houstonianum</i>	A	24"	BCD	ES-F	TP	6-8	W	4-6	● S
Alyssum	94	4821ff	<i>Lobularia maritima</i>	A	2-4"	FBW	ES-F*	DS TP	5-6	55-70	8-14	● S
Amaranth	94	4831ff	<i>Amaranthus</i> spp.	A	3-6"	CNDE	MS-F	TP DS	6-7	W	10-14	● Lt
Aster, New York	95	√ web	<i>Symphotrichum novi-belgii</i>	P	36-48"	B	LS-F*	TP	6-8	M	14-36	Ch2w
Aster, China	95	4852ff	<i>Callistephus chinensis</i>	A	12-30"	TP	ES-F	TP	12-14	W	10-21	●
Bachelor's Button	95	4868ff	<i>Centaurea cyanus</i>	A	24-36"	BC	ES-F*	DW TP	8-9	C	7-14	● Cv
Balloon Flower	95	4881	<i>Platycodon grandiflorus</i>	P	30-42"	CB	MS-LS	TP	6-8	M	15-30	S
Bee Balm	96	4886ff	<i>Monarda</i> spp.	P	30"	BCD	MS-LS	DW TP	8-10	C/M	14-21	● Lt
Begonia	96	4889	<i>Begonia x tuberhybrida</i>	TP/A	8-12"	BW	ES-LS	TP	12-14	W	14-28	●
Bells of Ireland	96	4896	<i>Moluccella laevis</i>	A	30"	DBN	MS-F	TP	6-8	C	12-21	● S, Ch5d50°
Bouncing Bet	96	5920	<i>Saponaria officinalis</i>	P	1-3'	BGF	MS	TP	8-10	M	14-28	● St
Broom Corn	106	5437	<i>Sorghum bicolor</i>	A	7-11'	D	LS-F	DW		W	7-10	
Bupleurum	96	4903	<i>Bupleurum rotundifolium</i>	A	2"	DCN	ES-F	TP	8-10	C	14-21	●
Butterfly Weed	96	4906	<i>Asclepias tuberosa</i>	P	18-30"	BCN	ES-LS	DS DF		W	14-28	Ch4w34-40°
Calendula	96	4911ff	<i>Calendula officinalis</i>	A	18-24"	BDCE	ES-F*	DS TP DF	6-8	C	4-10	Cv
Campanula	97	4930	<i>Campanula carpatica</i>	P	6-8"	BGW	ES-F	DW TP	8-10	M	20-30	●
Canary Creeper	97	4932	<i>Tropaeolum peregrinum</i>	A	8"	BV	LS-F	DW TP	6-8	C	7-14	● Cv
Catmint, Persian	97	4937	<i>Nepeta mussinii</i>	P	12"	BG	Sp-MS	TP DS DF	6-8	C	10-14	
Celosia	97	4950	<i>Celosia argentea spicata</i>	A	3-6"	DCNB	LS	TP	8-10	W	10-14	
Cerinth	97	√ web	<i>Cerinth major purpurescens</i>	A	12-18"	B	MS-F*	TP DW	6-8	W	7-14	
Chinese Forget-Me-Not	97	4965	<i>Cynoglossum amabile</i>	A	18"	B	MS-LS	DW TP	6	M	5-10	
Chinese Lantern	97	√ web	<i>Physalis alkekengi</i>	P	24"	DNC	MS-F	TP DF	8	W	14-21	● S, invasive
Cleome	97	4988ff	<i>Cleome hassleriana</i>	A	48"	BN	ES-LS	TP DW	4-6	W	7-14	Ch. S
Coleus	97	4992	<i>Coleus scutellarioides</i>	TP/A	10-12"	WBN	MS-F	TP	8-10	M	10-14	● Lt
Columbine	97	√ web	<i>Aquilegia</i> spp.	P	18-30"	B	Sp-ES	TP DS	6-8	W	14-28	● Lt, Ch3-4w
Coneflower, Prairie	97	5007	<i>Ratibida columnifera</i>	P	1-3'	B N	MS-LS	TP	6-8	W	7-42	Ch1w
Coreopsis	97	5012	<i>Coreopsis grandiflora</i>	P	18"	BC	ES-F	TP	8-10	C/M	7-21	● Lt
Cosmos	98	5017ff	<i>Cosmos bipinnatus</i>	SSA	3-5'	BCS	MS-F	DW TP	2-4	W	7-10	Lt
Cosmos, Yellow	98	5039	<i>C. sulphureus</i>	A	2-3'	BC	MS-F	DW TP	2-4	W	7-10	
Daisy	98	5047ff	<i>Leucanthemum x superbum</i>	P	36"	BC	ES-MS	TP	6-8	W	7-14	
Delphinium	98	√ web	<i>Delphinium x cultorum</i>	P	3-6'	BCD	MS-LS	TP	10	M/W	14-21	Ch2-4w
Dianthus (Carnation)	98	5063ff	<i>Dianthus</i> spp.	A	12-20"	BCF	MS-LS	TP	8-10	M	7-14	
Drumstick Flower	99	√ web	<i>Craspedia globosa</i>	TP/A	1-3'	CDB	MS-LS	TP, DS	6-8	M	10-30	
Dyer's Coreopsis	110	5904	<i>Coreopsis tinctoria</i>	SSA	30"	CB	MS-F	DS TP DF	6-8	C	4-10	S, rugged
Echinacea	88	4547	<i>Echinacea purpurea</i>	P	1-3'	BC	MS-LS	TP DW	8-10	W	10-21	●
Eucalyptus	99	5075	<i>Eucalyptus cinerea</i>	TP/A	2-3'	CD	LS-F	TP	10-12	M	14-21	
Flax, Blue	99	5079	<i>Linum perenne lewisii</i>	P	9-12"	B	ES-LS	DS TP DF	6-8	C	21-28	●
Forget-Me-Not	99	5091	<i>Myosotis sylvatica</i>	B,P	6-12"	BCG	Sp-ES	DS	8-10	M	8-30	
Four O'Clock	99	5095	<i>Mirabilis jalapa</i>	A	24-36"	BF	ES-LS	TP DW	6-8	W	5-10	
Gaillardia, perennial	99	5096	<i>Gaillardia aristata</i>	P	24-36"	BC	MS-F	TP DW	6-8	W	14-21	Lt
Gaillardia, annual	99	5098	<i>Gaillardia pulchella</i>	A	1-3'	BC	MS-F	TP	4-6	W	7-20	Lt
Gazania	99	5100	<i>Gazania rigens</i>	A	8-10"	BW	MS-F	TP	6-8	W	12	Lt
Globe Amaranth	99	5102ff	<i>Gomphrena globosa</i>	A	2'	BD	MS-F*	TP	8-12	M	7-30	Dk, Ch5w
Godetia	100	5111	<i>Clarkia amoena</i>	A	20-30"	BC	MS-LS	TP	4	C/M	7-14	
Helen's Flower	100	5119	<i>Helenium autumnale</i>	P	4-5'	BC	LS-F	TP	6-8	M	14-21	
Heliopsis	100	5113	<i>Heliopsis scabra</i>	P	3-6'	BCS	MS-F	TP DW	10-12	M	14-21	
Heliotrope	100	5116	<i>Heliotropium arborescens</i>	TP/A	14-18"	FWBC	MS-F	TP	6-8	W	21-28	●
Hibiscus	100	5120	<i>Hibiscus moscheutos</i>	P	2-3'	BN	LS-F	TP	8	W	10-30	PP
Hollyhock	100	5122ff	<i>Alcea rosea</i>	SSB	4-8'	BS	MS-LS	TP DF	8-9	WM	7-21	St
Honesty (Silver Dollar)	100	5132	<i>Lunaria annua</i>	B	3"	DN	LS-F	DS TP DF	6	M	14-21	●
Impatiens	100	5142	<i>Impatiens walleriana</i>	TP/A	8-14"	WB	ES-F	TP	10	W	7-21	● Lt
Indigo	110	5911	<i>Persicaria tinctoria</i>	A	1-2'	dye	MS-F	TP	6-8	W	20-60	

ff = and following

Key

ABP: A=annual, B=biennial, P=perennial, SS=self-sowing, TP/A=tender perennial grown as annual.

height: typical height at maturity

uses: B=beds and borders, C=cutting, D=drying, dye=dye plant, E=edible, F=fragrance, G=ground cover, N=novel accent, S=screen, V=vining and climbing, W=windowbox, container

season: peak bloom time: Sp=spring, ES=early summer, MS=midsummer, LS=late summer, F=fall until frost, F*=fall after frost

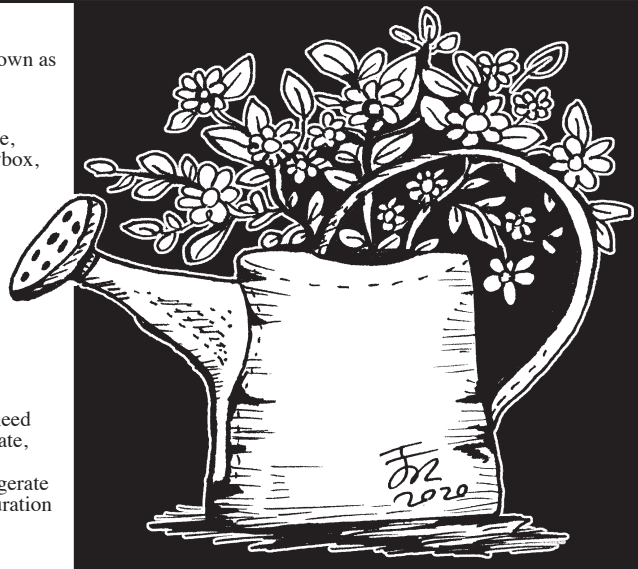
sow: DS=direct sow in spring ASAP, DW=direct sow when soil has warmed or after all danger of frost, TP=transplant, DF=direct sow in fall

start: suggested number of weeks before transplanting

temp: suggested soil temperatures for good germination:
C=cool, 60-65°, M=moderate, 65-70°, W=warm, 70-85°

days: number of days to seedling emergence

notes: ☐=can grow in partial shade, ●=can grow in full shade or part shade. (The rest need sun.) S=surface sow, Cv=cover seed, PP=use peat pots, Lt=needs light to germinate, Dk=needs darkness to germinate, Sk=soak seed 12-24hrs, Sc=scarify seed with sandpaper or emery board, St=stratify seed; place in moist soil and freeze or refrigerate or alternate between the fridge and freezer, Ch=chill seed, sometimes specifies duration (d=days, w=weeks) and temperature



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Jacob's Ladder	100	5144	<i>Polemonium caeruleum</i>	P	1'	B	ES	TP	8-10	M	20-25	☐
Job's Tears	100	√ web	<i>Coix lacryma-jobi</i>	A	24-36"	DN	F	TP	6-8	C	7-14	☐ S
Joe Pye Weed	101	5150	<i>Eutrochium purpureum</i>	P	5-9'	BNC	LS-F	DS DF		M	14-21	S, St
Johnny-Jump-Up	101	5152	<i>Viola tricolor</i>	SSP	4-6"	EB	Sp-F*	DS DF		M	12-14	☐
Kiss-Me-over-the-Grdn	101	5154	<i>Polygonum orientale</i>	A	6-7'	NSB	MS-F	DS DF TP	4-6	W	14-20	Cv, St
Laceflower	101	5157	<i>Orlaya grandiflora</i>	A	2-3'	BCD	MS-F	DW TP	4-5	M	12-16	
Larkspur	101	5160ff	<i>Consolida ajacis</i>	A	24-36"	BCD	ES-F*	DS TP DF	6-8	C	14-28	☐ Cv, Ch1w
Lavatera	101	√ web	<i>Lavatera trimestris</i>	A	20-36"	BC	MS-F	DS TP	6-8	M	14-21	☐ Cv
Lavender	88	4583ff	<i>Lavandula angustifolia</i>	P	2-3'	BCDF	MS-F	TP	8-10	W	14-28	St, Lt
Lobelia	101	√ web	<i>Lobelia pendula</i>	TP/A	6-8"	BW	ES-F	TP	8-10	M	14-20	☐ S, Lt
Love-in-a-Mist	101	5184ff	<i>Nigella</i> spp.	A	15-24"	BD	MS-F	DS TP	6	M	10-14	
Love-Lies-Bleeding	94	4831	<i>Amaranthus caudatus</i>	A	24-48"	BNDE	MS-F	TP	5-6	W	7-10	PP
Lupine	101	5195ff	<i>Lupinus polyphyllus</i>	P	36"	B	ES	DS TP DF	6-8	C/M	14-60	☐ Sk, PP
Madder	110	√ web	<i>Rubia tinctorum</i>	P	3-4'	dye	F	TP DW	6-8	M	7-21	
Maltese Cross	101	5203	<i>Lychnis chalcidonica</i>	P	28-40"	BC	MS	TP	8-10	M	7-14	☐
Marigold	102	5211ff	<i>Tagetes</i> spp.	A	8-30"	BCW	MS-F	TP DW	3	W	5-8	Dk
Mignonette	102	5255	<i>Reseda odorata</i>	A	10-15"	F	ES-LS	DW		M	10-14	☐ S, Lt
Milkweed	102	5256	<i>Asclepias syriaca</i>	P	3-5'	BEF	MS-LS	DS TP	3-4	M	7-14	St
Millet, Foxtail	102	5257	<i>Setaria italica</i>	A	3-5'	BCDN	MS-LS	DW		M/W	10-21	S
Millet, Purple Majesty	102	5259	<i>Pennisetum glaucum</i>	A	3-5'	BCN	LS	TP	2-3	W	5-10	☐
Morning Glory	103	5271ff	<i>Ipomoea</i> spp.	A	8-12'	VS	ES-F	DW TP	3	W	10-21	Sc, Sk, PP
Morning Glory, Bush	103	√ web	<i>Convolvulus tricolor</i>	A	12-18"	BW	ES-LS	DW TP	3	W	10-21	
Nasturtium	103	5280ff	<i>Tropaeolum</i> spp.	A	12-16"	BEWC	ES-F	DW TP	3	M	10-14	Cv
Nicotiana, Only Lonely	104	5300	<i>Nicotiana sylvestris</i>	A	4-6'	FN	MS-F	DS TP	6-8	W	7-14	Lt
Nicotiana, Lime Light	104	5301	<i>N. alata</i>	A	3'	BCN	ES-F	TP	6-8	W	10-14	☐ S
Pansy	104	5305ff	<i>Viola</i> spp.	A	6-12"	BCW	Sp-ES	TP DF?	8-9	C	12-21	☐ Dk
Petunia	104	5321ff	<i>Petunia x hybrida</i>	A	4-6"	WBG	ES-F	TP	8	W	7-14	Lt
Phacelia	104	5330ff	<i>Phacelia tanacetifolia</i>	A	18-30"	B	MS-F	DS		C	7-12	Ch, S
Phlox, annual	104	5335	<i>Phlox drummondii</i>	A	6-8"	BC	ES-F*	TP DS	8	C	7-14	☐
Phlox, perennial	104	√ web	<i>P. paniculata</i>	P	36"	BC	LS-F	TP DF	10-12	C	21-30	☐ St
Pincushion Flower	104	5341	<i>Scabiosa</i> spp.	A	36"	BC	MS-F*	TP DW	4-5	M	14-21	Ch1w
Poppy, Oriental		N/A	<i>Papaver orientale</i>	P	16"	BND	Sp-ES	DS			7-14	Lt
Poppy, annual	105	5350ff	<i>Papaver</i> spp.	SSA	24-48"	BCND	MS-LS	DF DS			14-21	
Poppy, California	105	5382ff	<i>Eschscholzia californica</i>	A	8-12"	B	MS-LS	DS			14-21	
Queen Anne's Lace	105	5385	<i>Daucus carota</i>	B/A	36-50"	BC	MS-F	DS TP	4-5	C	12-21	
Rudbeckia, perennial	105	5393	<i>Rudbeckia fulgida</i>	P	24"	BC	MS-LS	TP	6-8	W	7-21	Lt
Rudbeckia, annual	105	5395ff	<i>R. hirta</i>	A	24-36"	BCN	ES-LS	TP DF?	6-10	W	14-21	
Salvia	106	5406ff	<i>Salvia</i> spp.	TP/A	12-18"	BCD	MS-F	TP	10-12	M	14-21	S
Sea Oats	106	5423	<i>Chasmanthium latifolium</i>	P	2-5'	CD	LS-F	DW DF		M	7-21	
Snakeroot	106	5424	<i>Ageratina altissima</i>	P	2-4'	BCG	ES-F*	DS DF		M	14-28	Sun or ●, St
Snapdragon	106	5430ff	<i>Antirrhinum majus</i>	A	30-36"	BC	MS-F*	TP	8-10	C/M	7-14	☐ Ch2w, Lt
Statice	106	5464	<i>Limonium sinuatum</i>	A	24-30"	DCB	MS-F	TP	8-9	M/W	7-14	S
Stock	106	5475	<i>Matthiola incana</i>	A	12-18"	BC	ES-F*	DS TP	6-8	M	7-14	S
Strawflower	106	5483ff	<i>Xerochrysum bracteatum</i>	A	14-40"	DBC	MS-F	TP	7-8	W	7-14	Lt, S
Sunflower	107	5500ff	<i>Helianthus</i> spp.	SSA	2-12'	CNS	LS-F	DW TP	3-4	M/W	7-14	
Sweet Annie	108	5603	<i>Artemisia annua</i>	SSA	36-60"	FD	LS-F	DF TP	6-8	C	10-21	☐ Lt, St
Sweet Pea, perennial	108	5611	<i>Lathyrus latifolius</i>	P	5-6'	CSV	MS-LS	DS		C	21-28	Sk, Cv
Sweet Pea, annual	108	5614ff	<i>L. odoratus</i>	A	1-6'	CFSV	MS-LS	DS TP	6-8	C	14-21	Sk, Cv
Sweet William	98	√ web	<i>Dianthus barbatus</i>	SSB	18"	FBC	ES	DS TP	6-8	M	7-14	
Thyme, Creeping	109	√ web	<i>Thymus serpyllum</i>	P	2-3"	FGB	MS-LS	DS TP DF	8-9	C	14-28	☐ Lt
Tithonia	109	5647ff	<i>Tithonia rotundifolia</i>	A	4-6'	BNS	MS-F	TP DW	6	W	7-14	
Verbena	109	5661ff	<i>Verbena</i> spp.	A	8", 48"	WBC	MS-F	TP	6-8	M	14-21	☐ Lt, Ch3w
Wallflower	109	5675	<i>Cheiranthus allionii</i>	B	9-12"	BC	MS-F	TP DS	6-8	C	7-21	
Zinnia	109	5700ff	<i>Zinnia</i> spp.	A	20-42"	BC	MS-F	TP DW	3-4	W	7-14	