

# CROP TIMES FOR GARDEN LEADER ANNUALS

To find total crop time, add the weeks needed for each stage of production

Days for seed germination is listed for reference and is already included in the crop time required to finish the smallest production size listed for the crop.

Start with the product size you begin with and add the weeks, moving to the right till you reach the size you wish to finish.

## EXAMPLE: AGERATUM

If you start with seeds and want to finish in large pots: Total crop time is 6 weeks to grow to a 512 size + 1 week to reach a 288 size + one week for the 144 + 1 week for the 72 + 1 week for a cell pack + 2 weeks for a 4" to 5" pot plus 3 more weeks for a large pot = 15 total Weeks

If you start with a 512 plug tray and want to finish in cell packs then add: 1 week to reach the 288 size + 1 wk for the 144 + 1 week for the 72 + 1 week for the Cell Pack = 4 Total Weeks

**ADVANCE ORDERING PLUGS:** Allow an additional 10 to 12 weeks of production and order processing time to assure you get the varieties you want on the delivery date you need. Some crops may require longer.

**NOTE:** Some crops and varieties are not available or not recommended to be started the smaller plug sizes and others will not be finished in large pots or baskets, for those the weeks for these sizes are not used in calculation total crop time.

CROP	SEED GERMINATION REQUIREMENTS Temperature is listed in Fahrenheit and is the soil temperature.	DAYS FOR SEED GERMINATION	WEEKS						TOTAL CROP TIME FROM SEED TO LARGE POT OR BASKET	
			512 PLUG	288 PLUG	144 PLUG	72 PLUG	606 CELL PACK	SMALL POT		LARGE POT OR BASKET
Ageratum	80 to 85 F, uncovered	9 - 10	6	1	1	1	1	2	3	15
Alyssum, Cheers Series	78 to 80 F, uncovered	8		4	1	1	1	2	3	12
Anagallis	72 F, uncovered	10		5	1	1	2	3	3	15
Asarina	72 F, covered with vermiculite	12 - 14		6	1	1	2	3	4	17
Aster	72 F, uncovered	10	6	1	1	1	1	2	2	14
Balsam	70 F, uncovered	10	6	1	1	1	1	2	3	15
Begonia Fibrous, Hor Tip, Chocolates, HiGro Series	75 F, uncovered exposed to light	14 - 21	9	2	2	2	2	4	4	22
Begonia Tuberous, Angel, Eyepopper Series	75 to 78 F, uncovered exposed to light	14 - 28	11	2	2	2	2	4	4	24
Bidens	70 F, uncovered	10 - 12	6	1	1	1	1	2	2	14
Browallia	70 F, uncovered	15	7	1	2	1	1	3	4	19
Calandrinia	75 F, uncovered	12	6	1	1	1	1	3	5	18
Calceolaria	72 F, uncovered	21 - 28	10	1	1	1	1	8	8	21
Carnation	70 F, lightly covered with vermiculite	14 - 20	6	1	1	1	1	6	6	16
Campanula	60 to 65 F, uncovered	21 - 28	8	2	2	1	1	4	4	18
Celosia Cristata, Colours Series	78 F, uncovered	7 - 10	5	1	1	1	1	2	2	13
Celosia Plumosa, Dance, HiGro Series	78 F, uncovered	7 - 10	5	1	1	1	1	3	3	15
Centaurea	62 F, covered with media	7 - 14	6	1	1	1	1	2	4	16
Chieraria	70 F, uncovered	10	6	1	2	1	1	6	2	19
Coleus, Rainbow, Jazz, HiGro Series	75 F, uncovered	12 - 14	5	1	1	1	1	2	3	14
Coreopsis	72 F, uncovered	21	6	1	2	1	2	4	4	20
Cosmos Bipinnatus	72 F, uncovered	10	5	1	1	1	1	3	4	15
Dahlia, Cactus, Décor, Opera, Series	80 F, cover with media	10	6	1	1	1	1	4	4	17
Dianthus, Award, HiGro, Sundae, Prize Series	68 F, cover lightly with vermiculite	10	6	1	1	1	1	3	4	17
Dimorphotheca	70 F, cover lightly with vermiculite	14	6	1	1	1	1	3	4	17
Dusty Miller, Snowstorm	74 F, uncovered	12	6	1	2	1	1	4	4	19
Echreocarpus	60 to 70 F, uncovered	21 - 28	7	2	2	1	2	4	3	19
Gazania	78 F, cover with media	12	6	1	1	2	2	2	4	18
Geranium Ivy, Cascade Beauty Series	70 to 75 F, cover lightly with media	7 - 10		6	2	2	2	3	5	20
Geranium Zonal, LoGro, Saturn, New Wave Series	70 to 75 F, cover lightly with media	7 - 10		6	2	2	2	3	3	18
Gerbera	78 F, cover with media keep in bright light	10		6	1	1	1	2	2	13
Gloxinia	68 F, uncovered	14 - 28	8	1	1	1	1	6	6	18

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			512 PLUG	288 PLUG	144 PLUG	72 PLUG	606 CELL PACK	SMALL POT		LARGE POT OR BASKET	
Gomphrena, LoGro, HiGro Series	70 F, cover lightly with vermiculite	20	6	1	1	1	1	1	4	4	18
Helianthus	72 F, cover completely with media	4						4	3	2	9
Impatiens, Cascade Beauty, Sun & Shade, LoGro Series	71-77 F, uncovered, RH near 100%, 8 hours of light under 1500 foot-candles, pH 6.0-6.8 never lower, Media EC (salts) less than 0.75 mmhos/cm.	14	5	1	1	1	1	1	2	2	13
Impatiens, Double	Same as Impatiens	15	6	1	1	1	1	1	3	3	16
Marigold African, HiGro, American Indian, LoGro Series	75 F, cover completely with Media	10	4	1	1	1	1	1	2	2	12
Marigold Amerifrench	75 F, cover completely with Media	10	4	1	1	1	1	1	2	2	12
Marigold French, Girls, LoGro Series	75 F, cover completely with Media	10	4	1	1	1	1	1	2	2	12
Melampodium	68 F, uncovered	10	6	1	1	1	1	6	4	6	14
Mina	72 F, cover completely with media	7 - 14						6	4	6	16
Mirabilis	70 F, cover lightly with vermiculite	14			5	1	1	1	3	3	13
Nolana	70 F, uncovered	10	6	1	1	1	1	1	2	2	14
Pansy, Character, Freedom, Massive, Giants Series	60 F, lightly cover with vermiculite	10	6	1	1	1	1	1	2	3	15
Pansy Trailing	61 F, lightly cover with vermiculite	10	6	1	1	1	1	1	3	4	17
Petunia, Candytops, Freedom, LoGro Series	72 F, uncovered	7	6	1	1	1	1	2	2	2	15
Petunia Double	74 F, uncovered	7	6	1	1	1	1	2	2	2	15
Petunia Trailing, LoGro Series	78 F, uncovered	7		7	1	1	1	2	3	4	18
Phlox	60 F, lightly cover with vermiculite	14 - 21	6	1	1	1	1	1	2	2	14
Poppy California	55 F, lightly covered with vermiculite	14	6	1	1	1	1	1	4	4	18
Portulaca	72 F, uncovered	12	6	1	1	1	1	1	4	4	18
Salvia Fahrenheit	85 F, 2 days then 75 F, uncovered	14 - 21	6	1	1	1	1	1	4	4	18
Salvia Firecracker	72 F, lightly covered with vermiculite	14 - 21	6	1	1	1	1	1	4	2	16
Salvia HiGro	72 F, lightly covered with vermiculite	14 - 21	6	1	1	1	1	1	4	4	18
Sanvitalia	75 F, uncovered	10	6	1	1	1	1	1	4	4	18
Silene	68 F, uncovered	14	8	1	1	1	2	1	4	4	21
Snapdragon Silks	65 to 70 F, uncovered	7	6	1	1	1	1	1	2	4	16
Snapdragon Longshot	65 to 70 F, uncovered	7	6	1	1	1	1	1	3	4	17
Snapdragon Field Mix	65 to 70 F, uncovered	7	6	1	1	1	1	1	4	5	19
Statice	70 to 72 F, lightly covered with vermiculite	14 - 21	6	1	1	1	1	1	2	2	14
Sweet Pea	65 F, completely cover with media	14 - 21						6	2	2	10
Torenia	70 F, uncovered	7 - 14	6	1	1	1	1	1	4	4	18
Trachelium	70 F, uncovered	15	10	2	2	1	1	1	3	2	21
Verbena Rigida	68 F, lightly covered with vermiculite	21	6	1	1	1	1	1	4	4	18
Verbena Trailing	34 F, 7 days then 70 F, lightly covered with vermiculite	14	7	1	1	1	1	1	4	4	19
Verbena Love	70 F, uncovered, avoid overwatering seed flats	9	5	1	1	1	1	1	4	4	17
Vinca Cascade Beauty	75 F, completely covered with vermiculite	14 - 21	6	1	1	1	1	1	4	6	20
Vinca Sunsplash	76 F, completely covered with vermiculite	14 - 21	6	1	1	1	1	1	3	4	17
Viola	34 F, 7 days then 70 F, lightly covered with vermiculite	21	6	1	1	1	1	1	4	4	18
Wahlenbergia	65 to 70 F, uncovered	7 - 14	7	1	1	1	1	1	4	6	21
Zinnia Cascade Beauty	75 to 80 F, completely covered with media	5 - 7	4	1	1	1	1	2	3	4	16
Zinnia LoGro, HiGro, Ice Cream	75 to 80 F, completely covered with media	5 - 7	0	5	1	1	1	1	4	4	16
Zinnia Phoenix	75 to 80 F, completely covered with media	5 - 7	4	1	1	1	1	2	3	4	16