

CROP TIME CHART

To simplify your ordering and help you schedule your sales, we have developed this quick crop-time reference chart, which provides the approximate finishing times for common flowering ornamentals and vegetables. Along with seed germination information (dark / light, days to germ, optimal temperature) Please remember that these times are estimates and will vary according to such factors as temperature, light, food, and water.

Description	Crop Time	To Pack (weeks)	To 4" Pots (weeks)	Dark Light	Days	Temp	Season
A							
Abutilon	Seed 288 Plug	NA	12-14 6-8	L	3-6	72-75°	warm
Ageratum	Seed 288 Plug	10-12 5-6	12-14 6-8	L	7-10	75-78°	warm
Alyssum	Seed 288 Plug	6-8 4-5	9-11 6-7	L	8-10	78-82°	cool
Angelonia	Seed 288 Plug	13-15 8-9	14-16 9-10	L	7-10	75-78°	warm
Aquilegia	Seed 288 Plug	11-14* N/A	15-19 8-10	L	20-30	70-78°	per *Sell Green
Asclepias	Seed 288 Plug	N/A N/A	18-24 10-14	D/L	7-14	60-70°	per
Aster	Seed 288 Plug	12-14* N/A	15-16 6-8	L	8-14	70°	warm *Sell Green
B							
Bacopa	Seed 288 Plug	5-6 3-5	8-9 6-7	L	4	70-75°	warm
Balsam	Seed 288 Plug	8-10 4-5	12 6-8	L	7-14	65-70°	warm
Basil	Seed 288 Plug	6-8 2.4	8-9 4.5	D	5-8	70°	warm *Sell Green
Fibrous Begonia	Seed 288 Plug	14-16 5-6	18-20 7-10	L	14-21	78-80°	warm *Sell Green
Tuberous Begonia	Seed 288 Plug	N/A N/A	20-23 8-11	L	30	70-72°	warm
Broccoli	Seed 288 Plug	4-6 1-2	N/A N/A	D	10	70°	cool
C							
Cabbage	Seed 288 Plug	5-7* 3-4*	10-12 5-7	D	10	68-70°	cool *Sell Green
Calibrachoa	Seed 288 Plug	9-10 4-5	12-13 7-8	L	7	73°	warm
Calendula	Seed 288 Plug	12-14 6-7	13-15* 7-8	D	10	70°	cool *Sell Green
Calamintna	Seed 288 Plug	9-11 N/A	15-16 N/A	D	15-30	65°	
Canna	Seed 288 Plug	9-11 N/A	15-16 N/A	D	10-15	70-75°	warm
Carex	Seed 288 Plug	N/A N/A	17-19 10-12	L	14	72-77°	variable
Celosia	Seed 288 Plug	6-8 4-5	10-12 6-7	D	10-14	66-86°	warm
Cleome	Seed 288 Plug	7-9* 4.5*	10-11* 5-6*	L	14	70-72°	warm *Sell Green
Coleus	Seed 288 Plug	9-10* 4-6	15-18 6-8	L	8-10	70-75°	warm *Sell Green
Coreopsis	Seed 288 Plug	9-11 5-6	13-15 8-10	L	20	55-72°	per
Cosmos	Seed 288 Plug	5-6** 3.4**	8-10** 5-7**	D	5-7	70°	warm *Sell Green C.sulphureus -Use PGR
Cucumber	Seed 288 Plug	3-5 2-3	4-6 3-4	D	7-10	72°	warm

Description	Crop Time	To Pack (weeks)	To 4" Pots (weeks)	Dark Light	Days	Temp	Season
D							
Dahlia	Seed 288 Plug	8-10 5-6	11-13 6-8	D	8-10	68-70°	warm
Delphinium	Seed 288 Plug	N/A N/A	16-20 8	D	14-18	68-72°	per ** Sell Green, Use PGR
Dianthus	Seed 288 Plug	10-12 5-6	12-14 7-8	DL	7-10	70-75°	cool **Sell Green
Dichondra	Seed 288 Plug	N/A N/A	11-12 6-7	DL	4	72-76°	warm
Digitalis (perennial)	Seed 288 Plug	N/A N/A	24-28 N/A	L	3-4	65-70°	per **Sell Green
Dusty Miller	Seed 288 Plug	11-12 5-6	14 7	L	10-15	72-75°	cool
E							
Echinacea	Seed 288 Plug	10-12* N/A	13-15 6-8*	D	20	65-70°	per
Eggplant	Seed 288 Plug	6-8 4-5	8-9 6-8	D	10-14	70-75°	warm
G							
Gaillardia (annual)	Seed 288 Plug	6-7 1-3	8-10 6-8	L	5-10	70-75°	warm
Gaillardia (perennial)	Seed 288 Plug	10-12 4-6	13-14 7-8	L	5-10	65-70°	warm
Gazania	Seed 288 Plug	11-12 5-6	14-15 7-8	D/L	15	70-72°	warm
Geranium	Seed 288 Plug	13-14 8	15 9-10	L	15-21	70-75°	warm
Gerbera	Seed 288 Plug	N/A N/A	14-18 8-11	L	10-14	72°	warm
Gomphrena	Seed 288 Plug	9-10 4-5	13-14 6-8	D/L	20	68-72°	warm
H							
Heliopsis	Seed 288 Plug	8-9 5-6	12-14 9-10	D	7-21	68°	warm
Helenium	Seed 288 Plug	8-10 4-6	14-16 8-10	D/L	5	65-75°	warm
Hollyhock	Seed 288 Plug	N/A N/A	16-20* 8-10*	D	5-10	70-72°	per **Sell Green
Hypoestes	Seed	10-11	11-13	L	10	70-75°	warm
I							
Impatiens	Seed 288 Plug	8-10 4-5	12 6-8	L	15	75-78°	warm
J							
Juncus	Seed 288 Plug	10 5-6	12 7-8	L	6-12	65-75°	variable
L							
Lavender	Seed 288 Plug	15-18 6-8	18-20 9-11	L	14-21	65-70°	per
Lettuce Head	Seed 288 Plug	6-8 4-5	8-10 6-7	L	7	68°	cool
Linaria	Seed 288 Plug	12-14* 8-9	20-24 10-12	L	7-14	68-70°	cool
Lisianthus	Seed 288 Plug	12-14* 8-9	20-24 10-12	L	10-20	75-80°	warm
Lobelia (annual)	Seed 288 Plug	9-11** 5-6*	12-13 7-8	L	14-20	70-80°	cool **Sell Green, Cool Sensitive
Lobelia (perennial)	Seed 288 Plug	10-12* N/A	14-16* 6-8*	L	14-20	64°	per **Sell Green

Description	Crop Time	To Pack (weeks)	To 4" Pots (weeks)	Dark Light	Days	Temp	Season
Lupine	Seed 288 Plug	11-13 7-9	14-16 10-12	D	10-12	65-75°	per
M							
Malva	Seed 288 Plug	8-9* 4.5*	12-14 6-8	D	7-14	68-86°	per
Marigold African	Seed 288 Plug	8-12 4-8	10-14 6-10	D/L	7	72-75°	warm
Marigold French	Seed 288 Plug	8-10 4-6	10-12 6-7	D/L	7	72-75	warm
Melampodium	Seed 288 Plug	14-16 5-6	18-20 7-10	D	10	65°	warm
Millet, Ornamental	Seed 288 Plug	6-7 4-5	8-13* 6-11 *Gallon Container: Green Flowering	D/L	3	72-78°	warm
Mimulus	Seed 288 Plug	5-6 N/A	7-8 4	L	10	65-70°	cool
Morning Glory	Seed 288 Plug	N/A N/A	4-5 N/A	D	7-10	65-70°	warm
N							
Nasturtium	Seed 288 Plug	11-12 5-7	12-14 6-8	D	14	65°	cool
Nicotiana	Seed 288 Plug	9-10 4-5	10-11 5-6	L	15	70-75°	warm
O							
Osteospermum	Seed 288 Plug	9-11* 4-5	12-15 6-8	D	7-10	70°	cool
P							
Pansy	Seed 288 Plug	12-14 5-6	14-17 7-8	D	12	65-70°	cool
Pansy Trailing	Seed 288 Plug	14-16 8-10	15-18 9-12	D	12	65-70°	cool
Pentas	Seed 288 Plug	N/A N/A	15-18 7-10	L	7-10	75-80°	warm
Pepper	Seed 288 Plug	6-8 2	8-9 3	D	6-14	75°	warm *Reflects time for pepper to color
Pepper Ornamental	Seed 288 Plug	8-10 4-6	18-22* 14-18*	L	10-14	72°	warm
Petunia	Seed 288 Plug	10-12 5-6	12-15 6-8*	L	6-10	75-78°	warm **Sell Green
Petunia, trailing	Seed 288 Plug	10-12 4-6	12-15 6-8*	L	6-10	75-78°	warm
Phlox	Seed 288 Plug	8-12 4-6	7-8 6-8	D	7-10	60-65°	cool
Platycodon	Seed 288 Plug	N/A N/A	12-14 6-8	L	7-14	68-70°	per
Pilotus	Seed 288 Plug	12 6	16 10	D	5-7	76-80°	warm

HOW TO USE THE CROP TIME CHART:

GERMINATION CULTURE:

A line of germination information accompanies each species of seed.

Information is in four columns, like this:

Dark Light	Days	Temp	Season
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Dark / Light: Germination light requirements:

L - Needs light: Leave seed exposed or cover lightly with vermiculite to help maintain even moisture levels.

D - Needs darkness: cover flats with heavy paper or black plastic. Cover large seeds with growing medium.

DL - No specific light requirements.

Description	Crop Time	To Pack (weeks)	To 4" Pots (weeks)	Dark Light	Days	Temp	Season
Portulaca	Seed 288 Plug	5-6 3-4*	9-10 5-7	L	7-10	75-80°	warm
Primula	Seed 288 Plug	N/A N/A	18-24 9-12	L	14-21	60-65°	cool
R							
Rudbeckia	Seed 288 Plug	8-10* 4-5*	12-13 6-8	D/L	10-15	75-78°	warm
S							
Salvia	Seed 288 Plug	8-10 5	10-12 6-7	L	6-10	75-78°	warm
Sedum	Seed 288 Plug	10-12 5-7	12-14 8-10	D	14-21	68-70°	per
Shasta Daisy	Seed 288 Plug	13-15 6-8	15-17 8-10	L	14-21	68-72°	per
Snapdragon	Seed 288 Plug	11-13 N/A	14-16 6-8	L	15	65-70°	per
Statice	Seed 288 Plug	12-13 5-6	14 7-10	L	7-14	70-75°	cool
Melampodium	Seed 288 Plug	10-12 3-5	14-16 7-9	D/L	15	70°	cool
Stipa	Seed 288 Plug	12-13 6-7	13-15 7-9	L	7	65-75°	per
Sunflower (Pot/Bedding)	Seed 288 Plug	4-5 N/A	7-9 N/A	D/L	5-10	68-72°	warm
T							
Thunbergia	Seed 288 Plug	N/A N/A	8-9 N/A	D	10-12	70-75°	warm
Tomato	Seed 288 Plug	6-8 2-3	8-10 4	D	8-12	70-75°	warm
Torenia	Seed 288 Plug	12-13 7-8	13-15 6-8	L	15	70°	warm
Thyme	Seed 288 Plug	10-12 3-5	13-15 6-8	D	3-6	70°	per
V							
Verbena	Seed 288 Plug	11-13 6-7	14 7-9	D	20	75°	warm
Vinca	Seed 288 Plug	12-14 5-7	14-15 7-8	D	5	75-80°	warm
Viola	Seed 288 Plug	11-12 4-5	12-15 6-8	D	7-14	65-70°	cool
V							
Zinnia	Seed 288 Plug	5-8 4	9-10 6	D	7	70-72°	warm

Temp: Germination temperature requirements:

Optimal temperature range for germination only, as determined by our research, germination testing, and suppliers' recommendations.

Season: Germination best in specific season:

Warm: Best for SUMMER, not frost resistant.

Cool: Best for SPRING or FALL display in most of the country; plant in winter in the South and Coastal West.

Days to maturity:

Dates are approximate, useful mainly for comparison. Under cooler conditions, maturity times may be greater; under warmer conditions, days to maturity may be fewer.

Botanical names:

Proper botanical names (genus and species) are listed for flowers, foliage crops, and herbs. The primary reference used for botanical nomenclature is the American Horticultural Society, A-Z Encyclopedia of Garden Plants, Christopher Brickell and Judith D. Zuk, eds., 1996.