Planting Chart



Cut out this page & bring it with you! *Spacing requirements may vary. Due to the wide variety of tools and techniques available to both gardeners and commercial growers, this chart should only be used as a guide.

CROP TYPE	Seeds/Unit, M=1,000	Plant Spacing for direct sowing or transplanting	Seed Planting Depth	Row Spacing	Direct Sow or Transplant	Soil Temp (°F) for germination	Start Transplants (before setting out)	When to Plant Out
Artichokes	625/oz	12-24"	1/4"	5'	TP	60-80°	10-12 weeks	After last frost
Bean, Bush, Dry	75-220/oz	8 seeds/foot	I"	18-30"	DS	60-80°	n/a	After last frost
Bean, Bush, Snap	75-220/oz	8 seeds/foot	I"	18-30"	DS	60-80°	n/a	After last frost
Bean, Pole	75-220/oz	8 seeds/foot	I"	5'	DS	60-80°	n/a	After last frost
Bean, Soy	75-220/oz	8 seeds/foot	I"	18-30"	DS	70-90°	n/a	After last frost
Beet	1.5-2.5M/oz	15 seeds/foot	1/2"	12-18"	DS	60-85°	n/a	As soon as soil can be worked
Broccoli	5.6-9.4M/oz	10-16''	1/4-1/2"	18"	DS or TP	65-85°	4-6 weeks	After last hard frost
Broccoli, Sprouting	4-9M/oz	3 seeds every 12"	1/2"	18"	DS	50-65°	n/a	After last frost or in late summer
Brussels Sprouts	7M/oz	18-24"	1/4-1/2"	30"	DS or TP	65-75°	4-6 weeks	As soon as soil can be worked
Cabbage, Chinese/Napa	5-9M/oz	10-16"	1/2"	18"	DS or TP	70-95°	3-5 weeks	When nights are at least 50°F
Cabbage, Fresh Market	5-9M/oz	10-18"	1/2"	12-18"	DS or TP	55-95°	4-6 weeks	After last hard frost
Cabbage, Storage	5-9M/oz	18-24"	1/2"	18-30"	DS or TP	55-95°	4-6 weeks	10 weeks before first frost
Carrot	II-37M/oz	15- 40 seeds/foot	1/4-1/2"	12-18"	DS	60-85°	n/a	As soon as soil can be worked
Cauliflower	5-10M/oz	12-18"	1/4-1/2"	18"	DS or TP	55-80°	4-6 weeks	After last hard frost
Celery/Celeriac	50-70M/oz	6-10''	1/8"	18-24"	TP	60-70°	10-12 weeks	2-3 weeks before last frost
Chard, Bunching	1.2-2.5M/oz	8-12"	1/2"	18-24"	DS or TP	65-85°	4-6 weeks	After last hard frost
Chard, Baby	1.2-2.5M/oz	40 seeds/foot	1/2"	2-6"	DS	65-85°	n/a	After last hard frost
Collards	6-9M/oz	8-12"	1/4-1/2"	18-30"	DS or TP	70-95°	4 weeks	As soon as soil can be worked
Corn	100-200/oz	2 seeds every 12"	1-2"	30-36"	DS or TP	60-95°	7-10 days	When soil is at least 55°F
Cucumber, Greenhouse	I-1.3M/oz	20"	1/2"	5-6'	TP	75-90°	3-4 weeks	Trellis in greenhouse when at least 55°F
Cucumber, Pickling	I-1.3M/oz	8-12"	1/2"	3-6'	DS or TP	75-90°	3-4 weeks	One week after last frost
Cucumber, Slicing	I-1.3M/oz	12-24"	1/2"	5-6'	DS or TP	75-90°	3-4 weeks	One week after last frost
Eggplant	5.5-7.5M/oz	12-18"	1/4"	24-36"	TP	75-90°	8-12 weeks	When nights are at least 50°F
Fennel	5-7M/oz	6-8"	1/4-1/2"	18"	DS or TP	60-65°	4-5 weeks	After last hard frost
Garlic, Softneck	50 cloves/lb	6"	2" with mulch, 3-4" without	18"	DS	55-85°	n/a	After first frost and before ground freezes
Garlic, Hardneck	40 cloves/lb	6"	2" with mulch, 3-4" without	18"	DS	55-85°	n/a	After first frost and before ground freezes
Greens, Baby Leaf/Salad	16-24M/oz	60 seeds/foot in 2-4" bands	1/8"	3-4" between bands	DS	55-85°	n/a	As soon as soil can be worked
Greens, Arugula, Full Size	I5M/oz	60 seeds/foot in 2-4" bands	1/4"	3-4" between bands	DS	65-85°	n/a	As soon as soil can be worked
Greens, Asian, Baby	12M/oz	60 seeds/foot in 2-4" bands	1/4"	3-4" between bands	DS	70-95°	n/a	As soon as soil can be worked
Greens, Beet	1.5M/oz	40 seeds/foot in 2-4" bands	1/2''	2-4" between bands	DS	60-85°	n/a	As soon as soil can be worked
Greens, Cress, Garden	I0M/oz	24 seeds/foot in 2-4" bands	1/4"	2-4" between bands	DS	65-85°	n/a	As soon as soil can be worked
Greens, Cress, Upland	19M/oz	12 seeds/foot	1/4"	12-18"	DS	65-85°	n/a	After last frost
Greens, Endive, Belgian	I3M/oz	6 seeds/foot	1/8"	18-24"	DS	65-85°	n/a	As soon as soil can be worked
Greens, Endive, Baby	17-20M/oz	30 seeds/foot in 2-4" bands	1/8"	3-4" between bands	DS or TP	60-85°	6-8 weeks	As soon as soil can be worked
Greens, Escarole, Full Size	12-16M/oz	15 seeds/foot in rows 6-12" apart	1/8"	12-18"	DS or TP	60-85°	6-8 weeks	As soon as soil can be worked
Greens, Mustard	14-18M/oz	60 seeds/foot in 2-4"	1/4"	3-4" between bands	DS	65-85°	n/a	As soon as soil can be worked

	CROP TYPE	Seeds/Unit, M=1,000	Plant Spacing for direct sowing or transplanting	Seed Planting Depth	Row Spacing	Direct Sow or Transplant	Soil Temp (°F) for germination	Start Transplants (before setting out)	When to Plant Out
	Greens,	65M/oz		•	12-18"	·		,	After last frost
Comment Comm	Greens,	I4M/oz	8-12"	1/4"	12-18"	DS or TP	68-85°	4-6 weeks	After last frost
	Greens,	I-2M/oz	20 seeds/foot in 2-4" bands	1/4"		DS	55-85°	n/a	
	Herbs,	13-40M/oz	4-8"	1/4"		DS or TP	70-90°	4-6 weeks	
	Herbs,	6-26M/oz	4-8" annual, 12-18" perennial	1/4-1/2"	12-18"	DS or TP	60-70°	10-12 weeks	After last hard frost
	Herbs,	12-20M/oz		1/4"	12-18"	DS or TP	50-80°	6-8 weeks	After last hard frost
	Herbs,	I5M/oz		1/4"	12-18"	DS	50-80°	n/a	After last hard frost
Color	Herbs,	2M/oz	40 seeds/foot	1/4"	12-18''	DS or TP	50-80°	4-6 weeks	After last hard frost
Cale Laby 6-9H102 60 seeds/foct in 2-4" bands 44-1/2" 2-46* between by 5-9H102 DS 70-95* n/a As soon as soil can be worked on the worked of seeds of seeds of seed of seeds of	Kale,	6-9M/oz	10-18"	1/4-1/2"	16-30''	DS or TP	70-95°	4 weeks	After last hard frost
	Kale,	6-9M/oz	60 seeds/foot in 2-4" bands	1/4-1/2"		DS	70-95°	n/a	
National Social Contents National Contents	Kohlrabi	5-9M/oz	4-10"	1/4-1/2"		DS or TP	65-85°	4-6 weeks	As soon as soil can
	Leek	9.5-IIM/oz	6"	1/4"	18-24''	DS or TP	60-80°	10-12 weeks	As soon as soil can
	Lettuce, Baby Leaf	20-30M/oz	60 seeds/foot in 2" bands	1/8"		DS	40-80°	n/a	
After last frost Activities	Lettuce, Full Size	20-30M/oz	8-12"	1/8"		DS or TP	40-80°	3-4 weeks	After last hard frost
	Lettuce, One-cuts	20-30M/oz	4-6''	1/8"	4-6''	TP	40-80°	3-4 weeks	After last hard frost
Dinons/Shallots 6-8PM/oz 10 seeds/foot 1/8 - 1/4" 18-30" DS or TP 50-95" 8-12 weeks After last hard frost Dinons, 6-8PM/oz 50 seeds/foot in 2-3" bands 1/4 - 1/2" 12 - 18" DS 50-95" n/a As soon as soil can be worked DS 2-3" N/a As soon as soil can be worked DS 50-65" n/a After last frost After last frost DS 50-75" n/a As soon as soil can be worked DS 50-75" n/a As soon as soil can be worked DS DS DS DS DS DS DS D	Melon	I-1.25M/oz	12-18"	1/2"	6'	DS or TP	75-95°	4 weeks	After last frost
Chlons, Junching 6-8M/oz 50 seeds/floot in 2-3* bands 1/4-1/2* 12-18* DS 50-95* n/a As soon as soil can be worked and be wo	Okra	400-500/oz	12-18"	["	3'	DS or TP	75-95°	6 weeks	After last frost
Parsinjp 6-7M/oz 23 seeds/floot in 2" bands 1/2" 18-24" DS 50-65" n/a After last frost Parsinjp 6-7M/oz 24-30 seeds/floot 1-2" 2-6" DS 50-75" n/a After last frost Parsinjp 2-170/oz 24-30 seeds/floot 1-2" 2-6" DS 50-75" n/a After last frost Parsinjp 2-170/oz 24-30 seeds/floot 1-2" 2-6" DS 50-75" n/a 1-2" Parsinjp 2-170/oz 24-30 seeds/floot 1-2" 1-3" 36" DS 50-75" n/a 1-2" Parsinjp 3-170/oz 25-4-30 10-12" 1-3" 36" DS 50-75" n/a 1-2" Parsinjp 3-170/oz 25-4-30" 10-12" 1-3" 36" DS 50-75" n/a 1-2" Parsinjp 4-170/oz 25-4-30" 1/2-1" 6" DS or TP 70-90" 3-4 weeks After last frost Parsinjp 4-170/oz 25-4-36" 1/2-1" 6" DS or TP 70-90" 3-4 weeks After last frost Parsinjp 4-170/oz 25-4-36" 1/2-1" 6" DS or TP 70-90" 3-4 weeks After last frost Parsinjp 4-170/oz 25-4-36" 1/2-1" 6" DS or TP 70-90" 3-4 weeks After last frost Parsinjp 4-170/oz 25-4-36" 1/2-1" 8-12" DS 55-85" n/a As soon as soil can be worked Parsinjp 4-170/oz 25-2-36/oz 15-4" 1-3" 1-2" Parsinjp 4-170/oz 25-2-36/oz 15-4" 1-3" 1-3" 1-3" Parsinjp 1-3-37M/oz 25-2-37M/oz 25-2-4" 1/2-1" 1-3" 1-3" Parsinjp 1-3-37M/oz 25-2-4-36" 1/2-1" 1-3" 1-3" Parsinjp 1-3-37M/oz 25-2-4-36" 1/2-1" 1-3" 1-3" Parsinjp 1-3-37M/oz 25-2-4-36" 1/2-1" 1-3" 1-3" Parsinjp 1-3-37M/oz 25-37M/oz	Onions/Shallots	6-8M/oz	10 seeds/foot	1/8-1/4"	18-30"	DS or TP	50-95°	8-12 weeks	After last hard frost
Peas 90-170/oz 24-30 seeds/foot 1-2* 2-6 DS 50-75* n/a As soon as soil can be worked of the substitution o	Onions, Bunching	6-8M/oz	50 seeds/foot in 2-3" bands	1/4-1/2"	12-18"	DS	50-95°	n/a	
Perpor 2.8-4.9M/loz 12-18" 1/4" 18-36" TP 68-95° 6-8 weeks After last frost Orbataoes, New Fingering 14 pieces/lb 10-12" 1-3" 36° DS 50-75° n/a 1-2 weeks before last frost Orbataoes, New Fingering 14 pieces/lb 10-12" 1-3" 36° DS 50-75° n/a 1-2 weeks before last frost Vallages, New Fingering 155-400/cz 18" 1/2-1" 6° DS or TP 70.90° 3-4 weeks After last frost Vumpkin, Inding 155-400/cz 24-36° 1/2-1" 6° DS or TP 70.90° 3-4 weeks After last frost Winter 1.8-3.6M/oz 2 seeds/foot 1/4-1/2" 12-16° DS 55-85° n/a As soon as soil can be worked Rutabaga 11M/oz 6 seeds/foot 3/4" 18-24 DS 6-95° n/a As soon as soil can be worked Spinach, Jaby Leaf 1.5-3.7M/oz 40 seeds/foot 1/4-1/2" 8-12" DS 45-65° n/a	Parsnip	6-7M/oz		1/2"	18-24"	DS	50-65°	n/a	After last frost
1-2	Peas	90-170/oz	24-30 seeds/foot	I-2"	2-6'	DS	50-75°	n/a	
New Fingering Papice Strip 10-12 1-3 36 35 35 35 35 35 35 3	Pepper	2.8-4.9M/oz	12-18''	1/4"	18-36"	TP	68-95°	6-8 weeks	After last frost
Figurath Figurath Figurath Figuration Figurath Figurat	Potatoes, New/Fingerling	14 pieces/lb	10-12"	I-3"	36"	DS	50-75°	n/a	
	Potatoes, Full Size	8-10 pieces/lb	10-12"	1-3"	36"	DS	50-75°	n/a	
	Pumpkin, Bush/Semi-Bush	155-400/oz	18"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
Note 1.6-5.5,0-102	Pumpkin, Vining	155-400/oz	24-36"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
1.8-3.61 1.8-3.61 1.8-3.61 1.8-3.61 1.8-24 DS 60-95° n/a Spring /early summer Springch, 1.5-3.7	Radish, Winter	1.8-3.6M/oz	4 seeds/foot	1/4-1/2"	12-16"	DS	55-85°	n/a	
1.5-3.7M/oz 40 seeds/foot in 2.4" bands 1/8-1/4"	Radish, Garden	1.8-3.6M/oz	20 seeds/foot	1/4-1/2"	8-12"	DS	55-85°	n/a	As soon as soil can be worked
Saby Leaf 1.5-3.7M/oz 10 seeds/foot 1/8-1/4" 12-18" DS 45-65° n/a As soon as soil can be worked until early fall spinach, 1.5-3.7M/oz 10 seeds/foot 1/8-1/4" 12-18" DS 45-65° n/a As soon as soil can be worked until early fall spinach, 1.5-3.7M/oz 12-24" 1/2-1" 5-6' DS or TP 70-90° 3-4 weeks After last frost siquash, Winter, Bush 105-470/oz 18-24" 1/2-1" 6' DS or TP 70-90° 3-4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS or TP 75-95° 4 weeks After last frost DS o	Rutabaga	IIM/oz	6 seeds/foot	3/4"	18-24	DS	60-95°	n/a	Spring /early summer
Figurato, Determinate 280-450/gm 18-36" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost from the determinate 280-450/gm 18-24" 1/4" 4-6' TP 60-85° 6-8 weeks Trellis in greenhouse Greenhouse 280-450/gm 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 1-8 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the worked from the determinate 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost from the worked from the determinate 18M/oz 18-36" 1/2" 6' DS or TP 75-95° 4 weeks After last frost from the worked from t	Spinach, Baby Leaf	1.5-3.7M/oz	40 seeds/foot in 2-4" bands	1/8-1/4"		DS	45-65°	n/a	As soon as soil can be worked until early fall
Signash, Winter, Bush 105-470/oz 18-24" 1/2-1" 6' DS or TP 70-90° 3-4 weeks After last frost Guash, Winter, Bush 105-470/oz 24-36" 1/2-1" 6' DS or TP 70-90° 3-4 weeks After last frost Fomato, Determinate of determinate 280-450/gm 12-18" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Fomato, Greenhouse 280-450/gm 18-36" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Tomato, Greenhouse 280-450/gm 16-24" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Tomatillo 18M/oz 18-36" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Turnip 11M/oz 8 seeds/foot in 2-4" bands 3/4" 12-18" DS 60-95° n/a As soon as soil can be worked Watermelon 600-900/oz 12-18" 1/2" 6' DS or TP 75-95° 4 weeks Af	Spinach, Full Size	1.5-3.7M/oz	10 seeds/foot	1/8-1/4"	12-18"	DS	45-65°	n/a	As soon as soil can be worked until early fall
Winter, Bush 103-470/02 16-24 1/2-1 6 DS or TP 70-90° 3-4 weeks After last frost Sequash, Winter, Vining 105-470/oz 24-36" 1/2-1" 6' DS or TP 70-90° 3-4 weeks After last frost Tomato, Determinate 280-450/gm 12-18" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Tomato, Indeterminate 280-450/gm 18-36" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Tomatillo 18M/oz 18-36" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Turnip 11M/oz 8 seeds/foot in 2-4" bands 3/4" 12-18" DS 60-95° n/a As soon as soil can be worked Watermelon 600-900/oz 12-18" 1/2" 6' DS or TP 75-95° 4 weeks After last frost	Squash, Summer	220-375/oz	12-24"	1/2-1"	5-6'	DS or TP	70-90°	3-4 weeks	After last frost
Minter, Vining 103-170/02 24-50 1/21 0 DS of 11 709/0 3-4-Weeks After last frost Fomato, Determinate 280-450/gm 12-18" 1/4" 4-6' TP 60-85° 6-8 weeks After last frost Iomato, Greenhouse 280-450/gm 16-24" 1/4" 6' TP 60-85° 6-8 weeks Trellis in greenhouse when at least 65°F Iomatillo 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost Turnip 11M/oz 8 seeds/foot in 2-4" bands 3/4" 12-18" DS 60-95° n/a As soon as soil can be worked Watermelon 600-900/oz 12-18" DS or TP 75-95° 4 weeks After last frost	Squash, Winter, Bush	105-470/oz	18-24"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
Determinate 260-450/gml 12-16 1/4 4-6 TP 60-65° 6-8 weeks After last frost Fomato, ndeterminate 280-450/gml 18-36'' 1/4" 4-6' TP 60-85° 6-8 weeks Trellis in greenhouse when at least 65°F Fomatillo 18M/oz 18-36'' 1/4" 4-6' TP 60-85° 4-5 weeks After last frost Furnip 11M/oz 8 seeds/foot in 2-4" bands 3/4" 12-18" DS 60-95° n/a As soon as soil can be worked Watermelon 600-900/oz 12-18" 1/2" 6' DS or TP 75-95° 4 weeks After last frost	Squash, Winter, Vining	105-470/oz	24-36"	1/2-1"	6'	DS or TP	70-90°	3-4 weeks	After last frost
Temple T	Tomato, Determinate	280-450/gm	12-18"	1/4"	4-6'	TP	60-85°	6-8 weeks	After last frost
Greenhouse 260-430/gml 16-24 1/4 6 1F 60-03 6-8 Weeks when at least 65°F Fomatillo 18M/oz 18-36" 1/4" 4-6' TP 60-85° 4-5 weeks After last frost Furnip 11M/oz 8 seeds/foot in 2-4" bands 3/4" 12-18" DS 60-95° n/a As soon as soil can be worked Watermelon 600-900/oz 12-18" 1/2" 6' DS or TP 75-95° 4 weeks After last frost	Tomato, Indeterminate	280-450/gm	18-36"	1/4"	4-6'	TP	60-85°	6-8 weeks	
Furnip I I M/oz 8 seeds/foot in 2-4" bands 3/4" I 2-18" DS 60-95° n/a As soon as soil can be worked Watermelon 600-900/oz I 2-18" I/2" 6' DS or TP 75-95° 4 weeks After last frost	Tomato, Greenhouse	280-450/gm	16-24"	1/4"	6'	TP	60-85°	6-8 weeks	Trellis in greenhouse when at least 65°F
Natermelon 600-900/oz 12-18" 1/2" 6' DS or TP 75-95° 4 weeks After last frost	Tomatillo	18M/oz	18-36"	1/4"	4-6'	TP	60-85°	4-5 weeks	After last frost
	Turnip	IIM/oz	8 seeds/foot in 2-4" bands	3/4"	12-18"	DS	60-95°	n/a	
Zucchini 155-260/oz 12-24" 1/2-1" 5-6' DS or TP 70-90° 3-4 weeks After last frost	Watermelon	600-900/oz	12-18"	1/2"	6'	DS or TP	75-95°	4 weeks	After last frost
	Zucchini	155-260/oz	12-24"	1/2-1"	5-6'	DS or TP	70-90°	3-4 weeks	After last frost