<u>Vegetable</u>	Start Indoors (Weeks Before Planting Outdoors	) Sow Outdoors	Germination Temperature (Degrees Fahrenheit)	Days Until	Seed Sowing Depth	Space Between Plants	Row Spacing (for Large Gardens) *	Sun/Shade	Frost Hardy	Days to Maturity	Photoperiod***	Notes
Luffa	2	After Last Frost	70 to 90	7 to 14	1"	36" to 48"	48" to 60"	Sun	Very Tender	120 to 200	Neutral	Will thrive in heat. Trellis plants to save space, as vines can be 15'+ long. Ensure adequate nitrogen. Bees love them!
Ground Cherry (Golden Berry; Cape Gooseberry)	6 to 8	After Last Frost	75 to 85	7 to 21	1/8"	24" to 30"	3' to 4'	Sun	Tender	70 to 75	Neutral	Heat and drought tolerant. Expect to utilize pest deterrents like netting - squirrels love them! Seeds have low germination rates so plant extras.
Bitter Melon	4 to 5	After Last Frost	60 to 90	7 to 12	3/4"	10" to 12"	3' to 6'	Sun	Tender	40 to 64	Neutral	Seeds generally have low germination rates so plant extra. It is a tropical plant, so it likes heat. You will need a trellis.
		After Last Frost; spring or fall								Varies; see		Can grow as a perennial in zones 7-11; grow as an annual in other zones. Harvest buds while still compact to eat them. If allowed to
Artichoke	8 to 10	for perennial types	70 to 75	10 to 21	1/4"	2' to 3'	3'	Sun/Part Shade	Hardy	notes	Neutral	flower the flowers are a beautiful, showy purple.  Will flower with over 10-12 hours of daylight so best for an early spring
Arugula	8 to 12	2 Weeks before last frost	40 to 70	5 to 7	1/4"	6"	10"	Sun	Hardy	50	Long Day	or later fall crop.  Perennial that can be planted in fall or spring. If starting from seed asparagus
Asparagus	8 to 12	After Last Frost	65 to 75	14 to 21	1/2"	18"	4"	Sun	Hardy	730+	Neutral	stalks can be harvested sparingly the second growing season with a more thorough harvest in subsequent years.
Basil	3 to 6	After last Frost	75 to 85	5 to 10	1/4"	8"	12"	Sun	Tender	50 to 60	7.00 / 48 (2.00 Y)	Can start from cuttings.
Beans, Pole	Prefer Direct Sow Outdoors	After Last Frost	55 to 85	8 to 10	1"	4"	18"	Sun	Tender	50 to 60	Neutral	Pole beans will need a sturdy trellis and can grow 6' to 12' tall; they do not like to be transplanted so direct sow.
	Prefer Direct Sow								4			Unlike pole beans, bush varieties stay compact and close to the ground so do not need a trellis; they do not like to be transplanted so direct
Beans, Bush	Outdoors	After Last Frost	55 to 85	8 to 10	1"	8" to 12"	36"	Sun	Tender	60 to 90	Neutral	SOW.
Beans, Long	Prefer Direct Sow Outdoors	After Last Frost	55 to 85	8 to 10	1"	6"	24"	Sun	Tender	60 to 90	Varies	Beans can grow 18+ inches and generally like heat. Varieties vary so make sure to read package directions.
Beets	Prefer Direct Sow Outdoors			7 to 21	1/2" - 1"	4 <sup>n</sup>	18"	Sun/Part Shade		50 to 70		Beets will need to will need to be thinned after sprouting. Warmer soil temps will speed germination.
		2-3 Weeks Before Last Frost			200700 20000	200					Long	Can plant a second round in the fall garden abut 85 to 100 days before
Broccoli	2 to 4	2-3 Weeks Before Last Frost	40 to 85	7 to 10	1/4" - 1/2"	12" to 18"	24" to 36"	Sun	Hardy	50 -to 90	Day Neutral	hard frost.  In Northern regions, start early indoors for a fall harvest. Best planted
												midsummer for a winter harvest in warm regions or can be
Brussels Sprouts	4 to 6	Not Recommended	50 to 75	7 to 10	1/4" - 1/2"	18" to 24"	12" to 24"	Sun	Hardy	100	Neutral	overwintered with some frost protection in zones 7+.  Can plant a second round in the fall garden abut 85 to 100 days before
Cabbage	8 to 10	2-3 Weeks before Last Frost	50 to 75	4 to 10	1/4" - 1/2"	12" to 18"	24" to 36"	Sun	Hardy	60 to 90	Neutral	hard frost.  Melons do not like being transplanted so either start outdoors or use
Cantaloupe	4 to 6	After Last Frost	70 to 90	4 to 10	1/2"	24" to 36"	36" to 60"	Sun	Very Tender	80 to 100	Neutral	extra care when transplanting not to disturb roots.
		2000					2					Carrots need to be sown very shallowly; require water daily until germination. You can also cover with a towel, water over it to hold
Carrots	Not Recommended	After Last Frost	40 to 85	14 to 21	1/4" - 1/2"	18"	3"	Sun/Part Shade	Semi-Hardy	70 to 90	Facultative Long	more moisture, then remove the towel as soon as germination occurs.  Can plant a second round in the fall garden abut 85 to 100 days before
Cauliflower	2 to 4	2-3 Weeks before Last Frost		7 to 10	1/4" - 1/2"	18"	36"	Sun	Semi-Hardy		Long Day	hard frost.
Chives	Not Necessary	After Last Frost	50 to 60	7 to 14	1/8"	3"	9"	Sun/Part Shade/Shade	e Hardy	60	Obligate Short Day	Easy to start outdoors and do not like to be transplanted.  Succession plant new seeds a week apart to have a steady supply
Cilantro	2	After Last Frost	50 to 80	7 to 10	1/4" - 1/2"	4" to 6"	15"	Sun/Part Sun	Semi-Hardy	45 to 70	Obligate Long Day	before the plants bolt.
Collard Greens	3 to 4	After Last Frost	45 to 70	7 to 14	1/4" - 1/2"	18"	10" to 18"	Sun	Hardy	70 to 85	Facultative short day	Collard greens are one of the most cold-hardy vegetables. When thinning plants young leaves can be used as baby greens.
Corn	Not Recommended	After Last Frost	50 to 90	7 to 10	1"	12" to 18"	36"	Sun	Tender	80 to 100	Neutral	Corn requires cross pollination so be sure to plant a minimum of 3 to 4 rows.
Cucumber	3 to 4	After Last Frost	60 to 90	3 to 10	1/2"	24" to 36"	36" to 60"	Sun	Very Tender	50 to 70	Neutral	Cucumber seeds are happiest being directly sown as soon as soil warms in the spring.
Dill	4 to 6	After Last Frost	60 to 70	10 to 14	1/8" to 1/4"	10" to 12"	18" to 24"	Sun/Part Sun	Semi-Hardy		Obligate Long Day	Dill seeds are happiest being directly sown as soon as soil warms in the spring.
Eggplant	6 to 8		70 to 90	7 to 10	1/4"	18"	24" to 36"	Sun	Very Tender	80 to 90	Obligate Short Day	Eggplant likes warm soil and is well suited for raised beds, where soil temps will be higher earlier in the spring.
		10.000			1946 - 1940		The second second		1	Varies; see		There are soft neck and hard neck garlic varieties. Do some research to
Garlic	N/A	Late Fall/Early Winter/Spring 3 to 5 Weeks before last	N/A	Varies	2" to 3"	2" to 4"	10" to 14"	Sun/Part Sun	Hardy	notes	racultative Long Day	find which varieties are well-suited to your region  Kale can last most of the year if provided with frost protection; can
Kale	6 to 8	frost	40 to 85	4 to 8	1/4" to 1/2"	12" to 18"	19" to 24"	Sun/Part Sun	Hardy	55 to 75	Neutral	space plants closer together if harvesting as baby greens.
Kohlrabi	4 to 6	4 weeks before last frost	45 to 85	4 to 7	1/2"	6"	18" to 24"	Sun	Hardy	50 to 70	Neutral	Kohlrabi plants are beautiful and can be used in an ornamental garden.
Lettuce, Head	3 to 4	2 Weeks before last frost	45 to 85	7 to 14	1/8"	10" to 12"	12" to 18"	Sun/Part Shade	Semi-Hardy	60 to 90	Facultative Long Day	Seeds need light to germinate so do not plant too deep. Head lettuces are best harvested when fully mature.
Lettuce, Leaf	3 to 4	2 Weeks before last frost	50 to 80	7 to 14	1/8"	3"	6" to 10"	Sun/Part Shade	Semi-Hardy	40 to 70	Facultative Long Day	Seeds need light to germinate so do not plant too deep. Leaf lettuces can be harvested early as baby greens
Mint	8 to 10	After last frost	65 to 75	7 to 14	1/4"	12"	12"	Sun/Part Shade	Hardy	60 to 90	Long	Can start from cuttings; mint can be very invasive, making it a great plant for container gardening.

		When soil has warmed to 65		2207 202	301	420 . 400	248 - 268		V T 1	6000	u t	Okra seeds qon't like to be transplanted. If you start them indoors, use
Okra	3 to 4	degrees	65 to 75	7 to 14	1"	12" to 18"	24" to 36"	Sun	Very Tender	60 to 90	Varies	peat pots, which can be planted with the plant.
Outro Cont	8 to 10	When soil temperature	45 to 95	4 to 5	1"	4"	12"-18"	Sun	Hardy	60 to 120	Varies	Direct seeding may not allow enough time for long-day onions to develop in season. Research days to maturity and compare to the length of your growing season to select appropriate varieties. May be started index.
Onion, Seed	8 to 10	reaches 50 degrees	45 (0 55	4 10 3	1	*	12 -10	Juli	пагиу	60 (0 120	varies	started indoors to extend season.
Onion, Set/Plants	N/A	When soil temperature reaches 50 degrees	N/A	N/A	1"	4"	12"-18"	Sun	Hardy	60 to 120	Varies	Sets are small onion bulbs that were started the previous season. They allow for faster maturity.
Oregano	6 to 8	After last frost	60 to 70	7 to 14	1/8" to 1/4"	8" to 10"	10" - 12"	Sun	Semi-Hardy	80 to 90	Obligate Long Day	Oregano is a hardy plant that can be used as ground cover.
Parsley	3 to 4	3 to 4 weeks before last fros	t 40 to 90	65 to 75	1/4"	8" to 10"	12" to 18"	Sun	Hardy	70 to 90	Facultative Long	The taproot of plants can be sensitive so be careful if transplanting.
												There are a few types of peas. Snow peas and snap peas have edible pods while sweet peas need to be shelled. Select the variety you most
Peas	N/A	4 to 6 weeks before last fros	t 40 to 80	7 to 14	2"	2"	36"	Sun	Hardy	60 to 90	Facultative Long	enjoy.
			2000		46 (PROSC 14					tonomous south the		Specific varieties will vary in number of days to maturity; peppers can be eaten when still immature but will have the best flavor when they
Pepper	8 to 10	After last frost	55 to 80	7 to 21	1/4"	18"	24" to 36"	Sun	Tender	90 to 110	Neutral	are fully developed.
					411	4011 4011	268					Potatoes can be planted early but if threat of frost is still looming keep frost protection on hand; there are determinate and indeterminate varieties. Indeterminate varieties can have soil backfilled/mounded around the stem as plants grow and more potatoes will sprout from the
Potato	N/A	After last frost	40 to 70	14 to 28	4"	10" - 12"	36"	Sun	Semi - Hardy		Long	stem.
Pumpkin	Not Recommen	ded After last frost	70 to 95	5 to 10	1"	36" to 48"	60"	Sun	Tender	90 to 120	Neutral	Pumpkins require a lot of space so plan accordingly.
Radish	Not Recommen	ded 3 to 5 weeks before last fros	t 55 to 85	3 to 4	1/2"	2"	12"	Sun/Part Shade	Hardy	18 to 40	Long	Succession plant new radish seeds each week during the cool season to have a continual harvest.
		As soon as soil can be										Plant Crowns; rhubarb needs at least a year to reach maturity and will reach
Rhubarb	Not Recommen	ded worked	40	7 to 14	2"	24"	48"	Sun/Part Shade	Hardy	365+	Neutral	full maturity in 3 to 4 years.
Sunflower	Not recommend	led After last frost	50 to 85	4 to 11	1" to 1.5"	6"+	30"	Sun	Tender	80 to 95	Varies	There are LOTS of varieties so search for the one that is right for you.
Spinach	4 to 6 weeks	After last frost	45 to 75	6 to 10	1/2" - 1"	3"	12" to 18"	Sun/Part Shade	Hardy	50 to 70	Long	Spinach likes cool weather so plant as soon as temperatures allow in spring or in the fall.
Spinach, Malabar	6 to 8	2 to 3 weeks after last frost	65 to 75	7 to 21 days	1/4"	12"	12"	Sun	Tender	70 to 80		This heat-loving vine will grow all summer; needs to be trellised
Squash, Summer	Not Recommen	ded After last frost	60 to 105	5 to 10	1"	36"	48"	Sun	Very Tender	40 to 60	Neutral	Squash blossoms are edible and can be stuffed and fried.
Squash, Winter	Not Recommen	ded After last frost	60 to 105	5 to 10	1"	48"	60"	Sun	Very Tender	110 to 125	Neutral	Winter squash can keep for weeks or even months after the first frost to be enjoyed into winter.
Sweet Potato	N/A	3 to 4 weeks after last frost	75 to 80	7 to 14	Bury slips up to the leaves		36"	Sun	Very Tender	100 to 120	Neutral	Needs a very long, warm growing season; potatoes are grown from slips, which are sprouts grown from mature sweet potatoes.
Swiss Chard	3 to 4	2 to 3 weeks after last frost	40 to 95	5 to 7	1/2"	3"	18"	Sun/Part Shade	Semi-Tender	40 to 60	Long	Beautiful plant to add to an edible landscape.
Thyme	Cuttings Recommended; start them 6 to weeks		t 70	14 to 28	1/4"	6" to 12"	12" to 24"	Sun	Semi-hardy	75 to 90	Long	Starting from seed can be inconsistent, however you can grow from cuttings to increase chances of success.
,								V				Determinate tomatoes only grow to a certain height and set fruit all at once; indeterminate plants will keep growing until killed by frost.
Tomato	6 to 8	After last frost	70 to 80	6 to 8	1/4"	24" to 36"	48"	Sun	Tender	70 to 90	Neutral	Check what type you have for proper plant spacing and support.
Turnip	Not Recommen	ded 2 to 3 weeks before last fros	t 45 to 85	4 to 7	1/2"	3"	18"	Sun/Part Shade	Hardy	50 to 60	Long	Succession plant every week in cool seasons for a continuous harvest.
Watermelon	Not Recommen	ded 1 to 2 weeks after last frost	60 to 95	3 to 5	1"	60" to 96"	60" to 96"	Sun	Very Tender	90 to 120	Neutral	Plants love to sprawl so plan for a lot of space.

\*" Space Between Plants" can vary; look at recommendations for specific varieties on seed packages or transplant labels; if you are gardening in a small plot or raised bed where you will not be planting multiple rows this is how far apart plants should be. Disregard "Row Spacing."

\*\*Frost hardiness is determined by which plants will survive a hard or light frost and is important for determining the earliest time to plant to allow a plant to reach full maturity before it gets too cold.

\*\*\* The photoperiod is the period of time each day during which an organism receives illumination; day length. If growing in a greenhouse or timing plants outside in a high tunnel research if a plant needs cetain amounts of daylight to flower and fruit.