



VEGETABLE PRODUCTION CHART

Crop	Botanical Name	Seed/kg	Seed/Ha		Germination		Sowing Depth (cm)	Spacing (cm)		Opt. Growth Temp. (°C)	Plants/Ha	Yield (Ton/Ha)	Days to Maturity	Harvest Time (Days)	Root Depth (cm)
			Direct (kg)	Transplant (kg)	Opt. Air Temp. (°C)	Days		In Rows	Between Rows						
Artichoke (Globe)	Cynara Scolymus	19,000 - 20,000	-	0.3	18 - 22	17	1.5	100	200	15 - 25	5,000	5 - 8	11m	30 - 60	+120
Asparagus	Asparagus Officinalis	35,000 - 55,000	2.5 - 3	0.4 - 0.5	25	20	1 - 2	45 - 90	60 - 200	20 - 30	Green 18,000 - 37,000	3 - 6	2 yrs	15 yrs	+120
Beans: Garden	Phaseolus Vulgaris	45,000	50 - 110	-	28	7	1 - 2	5 - 10	40 - 60	16 - 20	150,000 - 500,000	12 - 20	60 - 80	10 - 20	60 - 100
Beans: Garden (fine)	Phaseolus Vulgaris	6,000 - 10,000	40 - 50	-	28	7	1 - 2	5 - 7	30 - 60	16 - 20	300,000 - 500,000	15 - 20	60 - 70	15 - 30	45 - 60
Beans (Runner)	Phaseolus Coccineus	4,500	30 - 60	-	28	7	1 - 2	10 - 20	40 - 60	15 - 20	60,000 - 120,000	12 - 20	65 - 85	10 - 20	60
Beetroot	Beta Vulgaris Var. Conditiva	50,000 - 60,000	4 - 8	-	20	7	2.5 - 5	5 - 10	30 - 40	15 - 20	170,000 - 350,000	25 - 40	55 - 60	30	45 - 60
Broccoli	Brassica Oleraceae Var. Cymosa	220,000 - 350,000	-	0.2 - 0.6	22	5	1.5 - 2.5	25 - 50	46 - 60	15 - 25	20,000 - 40,000	8 - 15	65 - 100	14	45 - 60
Brussel Sprout	Brassica Oleraceae Var. Gemmifera	200,000 - 300,000	-	0.2 - 0.4	22	9	1 - 1.5	40 - 50	65 - 75	15 - 25	27,000 - 40,000	14 - 17	120 - 150	14 - 20	45 - 60
Cabbage	Brassica Oleraceae Var. Capitata	280,000 - 350,000	-	0.3	20 - 22	10	1 - 1.5	40 - 70	60 - 60	15 - 20	30,000 - 40,000	60 - 80	70 - 160	35	45 - 60
Cantaloupe	Cucumis Melo	35,000 - 40,000	1 - 2	0.2 - 0.4	20	10	2.5 - 5	20 - 40	150 - 250	20 - 24	10,000 - 26,000	25 - 35	60 - 120	28 - 56	90 - 120
Caped Gooseberry	Physalis Peruviana	+1,000,000	-	0.5 - 0.8	20	8	0.6 - 1.3	50 - 100	150 - 200	22 - 24	5,000 - 13,000	5	7m	21 - 60	45 - 150
Carrot	Daucus Carota	800,000 - 1,100,000	2 - 3.5	-	25	6	1 - 1.5	3 - 8	20 - 30	15 - 20	1,500,000 - 2,500,000	25 - 50	70 - 120	90 - 120	30 - 40
Cauliflower	Brassica Oleraceae Var. Botrytis	250,000 - 350,000	-	0.3	20 - 22	10	0.5 - 1.5	40 - 70	60 - 90	15 - 25	18,000 - 40,000	30 - 70	70 - 145	21	45 - 60
Celery	Apium graveolens	1,900,000	1 - 2	0.1	0 - 22	4	-	15 - 30	45 - 90	15 - 20	35,000 - 148,000	30	80 - 90	10	90
Chinese Cabbage	Brassica Pekinensis	350,000 - 400,000	-	0.25	22	9	1	45 - 60	70	15 - 25	16,000 - 40,000	80	70 - 160	35	45 - 60
Chives	Allium Schoenoprasum	280,000 - 300,000	3 - 4	-	20	7	1.5	2.25 - 5	25	12 - 24	600,000 - 800,000	60 (4yrs)	11m	4 seasons	45 - 60
Cucumber (Fresh)	Cucumis Sativus	35,000	1	0.5	25	4	3	45 - 60	120 - 150	20 - 34	12,000 - 16,000	25 - 35	55 - 70	30 - 60	45
Cucumber (Hothouse)	Cucumis Sativus	35,000	-	0.4	25	4	3	25 - 35	150	20 - 34	10,000 - 13,000	40 - 50	60	60 - 70	45
Cucumber (Pickle)	Cucumis Sativus	40,000	3 - 5	1.0	25	4	3	25	100	20 - 34	40,000	10 - 12	50 - 60	35	45
Eggplant	Solanum Melongena	210,000 - 250,000	-	0.3 - 1.25	29	10	1	45 - 60	50 - 75	22 - 34	12,000 - 35,000	25 - 30	50 - 70	30	75 - 120
Endive	Chichorium Endivia	700,000 - 1,000,000	1 - 1.5	0.4 - 1	20 - 29	12	2	15 - 25	45 - 60	15 - 25	70,000 - 90,000	15 - 20	70	10 - 14	45 - 60
Green Manis	Zea Mays	4,000 - 5,000	10 - 25	-	30	7	2	17 - 22	50 - 100	16 - 24	60,000 - 80,000	20 - 25	90 - 120	14	90 - 120
Kohlrabi	Brassica Oleraceae var. cauliarape	280,000 - 350,000	-	0.25	30 - 32	10	1	30	50	15 - 20	60,000 - 100,000	25 - 30	60 - 100	30	45 - 60
Leek	Allium Porrum	350,000 - 400,000	2	0.5 - 0.6	24	10	2	5 - 20	40	12 - 24	150,000	15 - 25	130 - 150	14	45 - 60
Lettuce	Lactuca Sativa	800,000 - 900,000	0.6 - 1.5	0.15 - 0.5	20	4	0.6 - 1.3	20 - 30	30 - 60	15 - 20	55,000 - 100,000	25 - 30	65 - 90	21	45 - 60
Okra	Hibiscus Esculentus	18,000 - 20,000	6 - 8	-	35	6	2 - 2.5	45	75	22 - 30	30,000	10 - 11	65 - 95	5 - 6m	60
Onion (Intermediate day)	Allium Cepa	280,000 - 300,000	4 - 4.5	5.0	20	7	1.5	5 - 8	20 - 30	12 - 24	500,000 - 800,000	30 - 70	6 - 8m	-	45 - 60
Onion (Short day)	Allium Cepa	280,000 - 300,000	4 - 4.5	5.0	20	7	1.5	5 - 8	20 - 30	12 - 24	500,000 - 800,000	30 - 70	6 - 8m	-	45 - 60
Onion (Bunching)	Allium Cepa	280,000 - 300,000	17	-	20	7	1.5	2 - 4	45 - 60	12 - 24	1,000,000	10 - 25	8m	-	45 - 60
Onion (Pickle)	Allium Cepa	280,000 - 300,000	3.5	-	20	7	1.5	1 - 2	6 - 10	12 - 24	5,000,000	8 - 10	3m	-	45 - 60
Onion (Sete)	Allium Cepa	280,000 - 300,000	3.5	-	20	7	1.5	1 - 2	6 - 10	12 - 24	5,000,000	8m	-	45 - 60	
Paprika	Capsicum Annuum Var. Annuum	150,000 - 180,000	1.5	0.4 - 0.8	29	10	0.5 - 1.3	Double Row 30 x 30	120 - 150	22 - 30	30,000 - 55,000	Dry 2 - 3.5	80	8 - 9m	60 - 100
Parsley	Petroselinum Crispum	500,000 - 600,000	3 - 5	0.4	24	13	1	10 - 15	30 - 45	11 - 20	160,000 - 300,000	12 - 25	70 - 90	2 - 5m	45 - 60
Parasip	Pastinaca Sativa	200,000	2.5 - 3	-	24 - 28	15	10	7 - 15	30 - 50	15 - 20	130,000 - 500,000	12 - 25	7m	10	90 - 120
Peas: Garden	Pisum Sativum	3,000 - 4,000	100 - 120	-	23	8	3 - 5	2 - 7	50 - 60	15 - 20	100,000 - 160,000	3 - 5	60 - 120	10 - 20	60 - 100
Peas (snow) mange tout	Pisum Sativum	3,000 - 4,000	100 - 120	-	23	8	3 - 5	2 - 7	60 - 90	15 - 20	100,000 - 160,000	5 - 10	60 - 80	10 - 20	60 - 100
Pepper (Hot)	Capsicum Annuum	150,000 - 160,000	1.5	0.4 - 0.8	29	10	0.6 - 1.3	40 - 45	45 - 75	22 - 30	30,000 - 55,000	Dry	65 - 95	90	80 - 100
Pepper (Sweet)	Capsicum Annuum	150,000 - 160,000	2	0.4 - 0.8	29	10	0.6 - 1.3	40 - 45	45 - 75	22 - 30	20,000 - 55,000	25 - 35	65 - 95	45	70
Pumpkin (Bush)	Cucurbita Maxima	4,000 - 5,000	1.5 - 2	1.5 - 2	32	10	3 - 5	90 - 90	120 - 150	20 - 24	7,000 - 10,000	20 - 30	110 - 170	30 - 40	90
Pumpkin (Ceylone)	Cucurbita Moechata	4,000 - 5,000	3 - 4.5	-	32	10	3 - 5	50 - 120	200	20 - 24	8,000 - 10,000	20 - 30	110 - 170	30 - 40	90
Hubbard	Cucurbita Maxima	4,000 - 5,000	2	-	32	10	3 - 5	60 - 90	150 - 200	20 - 24	4,000 - 10,000	20 - 30	110 - 170	30 - 40	80
Raddichio (chioglia)	Cichorium Intybus	600,000 - 700,000	1	0.2	25	8	0.6 - 1.3	15 - 25	45 - 60	15 - 20	40,000 - 88,000	25 - 30	65 - 90	21	45 - 60
Radish: Garden	Raphanus Sativus	80,000 - 100,000	10 - 12	-	18	6	1.3 - 2.5	2 - 5	20 - 30	15 - 20	500,000 - 1,600,000	25 - 35	21 - 30	45 - 60	25
Rhubarb	Rheum Rhaponticum	250,000 - 300,000	0.5	0.4 - 0.5	22	8	0.2	90	120	15 - 20	9,000 - 10,000	10 - 12	90 - 120	10m	45 - 60
Scorzoneria (Salsify)	Tragopogon Porriolus	75,000 - 90,000	9 - 11	-	20	8	0.6 - 1.3	7	25	15 - 25	500,000 - 500,000	20 - 30	150 - 160	-	45 - 60
Spinach	Spinacia Oleraceae	100,000	10 - 14	-	20	6	3	7 - 15	30 - 45	16 - 24	150,000 - 340,000	15 - 20	4 - 5m	4 - 5m	45 - 60
Squash (Baby)	Cucurbita Pepo	9,000	1.5 - 2	-	22	7	2 - 3	50 - 70	120 - 150	20 - 24	10,000 - 17,000	20 - 25	50	2m	90
Squash (Butternut)	Cucurbita Pepo (Moechata)	9,000	1.5 - 2	-	22	7	2 - 3	50 - 70	150 - 200	20 - 24	5,000 - 10,000	20 - 30	65 - 90	21	90
Sweetcorn Sh2 (Super Sweet)	Zea Mays Var. Saccharata	7,000 - 10,000	1.5 - 2	-	20	7	2.5	10 - 20	45 - 120	20 - 24	55,000 - 70,000	10 - 20	60 - 80	14	15 - 60
Sweetcorn SU (Sugary)	Zea Mays Var. Saccharata	4,500 - 5,500	8 - 10	-	26	7	2.5	10 - 20	75 - 120	15 - 24	55,000 - 70,000	10 - 20	60 - 80	14	45 - 60
Swisearchard	Beta Vulgaris Var. Flavescens	60,000 - 90,000	5	0.3 - 0.5	20	8	3	7 - 15	30 - 45	15 - 24	150,000 - 340,000	15 - 20	20 - 30	4 - 5m	45 - 60
Tomato (Cherry)	Lycopersicon Lycopersicum	300,000 - 400,000	0.3	0.05 - 0.1	20	8	0.6 - 1.3	30 - 40	150	22 - 24	15,000 - 22,000	15 - 20	65 - 90	60	120
Tomato (Fresh Market)	Lycopersicon Lycopersicum	300,000 - 400,000	0.3	0.05 - 0.1	20	0.6	0.6 - 1.3	30 - 40	150	22 - 24	18,000 - 22,000	60 - 100	80 - 120	60	45 - 60
Tomato (Processing)	Lycopersicon Lycopersicum	300,000 - 400,000	0.3	0.05 - 0.1	20	0.6	0.6 - 1.3	25 - 30	100 - 150	22 - 24	22,000 - 40,000	60 - 100	90 - 120	14 - 30	45 - 60
Turnip: Garden	Brassica Rapa	400,000 - 500,000	2 - 3	-	18	10	1.5	5 - 10	30 - 40	15 - 20	200,000 - 400,000	30 - 35	90 - 110	30	60 - 100
Watermelon	Citrullus Lanatus	14,000 - 20,000	1 - 2	0.2 - 0.4	30	5	2.5 - 5	90 - 150	180 - 200	22 - 30	8,000 - 35,000	30 - 60	80 - 90	20 - 30	90 - 120
Watermelon (Triploded)	Citrullus Lanatus	14,000 - 20,000	-	0.5	30	5	2.5 - 5	90 - 90	150 - 250	22 - 30	8,000 - 9,000	30 - 60	70 - 95	20 - 30	90 - 120
Witloof (Chicory)	Cichorium Intybus	600,000 - 700,000	-	1.5	25	8	0.6 - 1.3	12 - 15	15 - 18	5 - 20	400,000	12 - 45	4m	7m	30 - 60