AFRI AGRI PRODUCTS

Planting Guide

Crop	Average number of seeds per 100 gram	Average seeding in kg rate per Ha		Use of Transplants / Direct drill	Number of days to grow transplants in nursery	Planting / direct drilling distance in cm		Number of plants per m^2	Planting depth in cm	Days to emergence	Days to harvest	Estimated yield MT/Ha	Preferred pH	Soil type	Comments
		Direct drill	Transplant			Between rows	in row								
Beans	300	50 - 80 *		Direct drill		30 - 60	5 - 8	25 - 35	1 - 2	5 - 10	50 - 60	10 - 15	5,8 - 6,5	Well drained loams	Optimum temperature range 20 - 30°C
Beetroot	5.600	12 - 20 *		Direct drill		30 - 60	3 - 5	30 - 50	1 - 3	10 - 20	60 - 80	25 - 50	5,8 - 7,0	Well drained loams	When seedlings are 3 - 5 cm high they should be thinned to a spacing of 5 - 10 cm in the row
Broccoli	25.000		0,25 - 0,45 *	Transplant	18 - 21	30 - 60	40 - 60	6 - 10	0,5 - 1	5 - 8	60 - 80 **	10 - 15	6,2 - 7,0	Well drained , fertile soil, high in organic matter	Regular crop rotation is essential; avoid excessive heat
Cabbage	25.000		0,2 - 0,3 *	Transplant	18 - 21	40 - 60	40 - 60	4 - 6	0,5 - 1	5 - 8	60 - 90 **	50 - 80	6,2 - 7,0	Well drained , fertile soil, high in organic matter	Regular crop rotation is essential
Carrot	70.000	3,5 - 4 *		Direct drill		25 - 40	3 - 5	200 - 250	1 - 2	7 - 10	70 - 90	40 - 75	5,8 - 6,8	Sandy and loams, free from obstructing hard layers	Soil must be cultivated deeply
Cauliflower	25.000		0,2 - 0,3 *	Transplant	18 - 21	40 - 60	40 - 60	4 - 6	0,5 - 1	5 - 8	90 - 120 **	20 - 30	6,2 - 7,0	Well drained , fertile soil, high in organic matter	Regular crop rotation is essential; avoid excessive heat
Cucumber staked crop	3.300		0,6 - 1,1 *	Transplant	15 - 20	60 - 90	30 - 60	2 - 3,5	0,5 - 1	4 - 7	30 - 70 **	20 - 30	5,5 - 7,0	Well-aerated deeply worked soils with a good drainage	Regular crop rotation is essential
Cucumber non staked crop	3.300	1,3 - 3,5 *	0,45 - 1,1 *	Direct drill & Transplant	15 - 20	120 - 150	50 - 60	1,5 - 3,5	1 - 2	6 - 9	50 - 70 **	20 - 30	5,5 - 7,0	Well-aerated deeply worked soils with a good drainage	Regular crop rotation is essential
Eggplant	22.000		0,1 - 0,15 *	Transplant	18 - 24	60 - 90	40 - 60	2 - 3	0,5 - 1	7 - 12	60 - 80 **	15 - 30	6,0 - 7,0	Most soil types with good structure are suitable	
Lettuce	95.000		0,1 - 0,15 *	Transplant	10 - 20	25 - 30	25 - 30	10 - 16	0,5 - 1	5 - 10	40 - 70 **	20 - 40	6,0 - 6,8	Soil should be well drained, heavier soils are preferred	Regular crop rotation is essential
Melon - staked crop	3.000		0,65 - 1,2 *	Transplant	15 - 20	60 - 90	30 - 60	2 - 3,5	0,5 - 1	4 - 7	60 - 90	15 - 30	6,5 - 7,0	Well-aerated deeply worked soils with a good drainage	Regular crop rotation is essential
Melon - non staked crop	3.000	0,9 - 1,3 *	0,3 - 0,45 *	Direct drill & Transplant	15 - 20	120 - 150	50 - 60	1 - 1,5	1 - 2	6 - 9	70 - 90	15 - 30	6,5 - 7,0	Well-aerated deeply worked soils with a good drainage	Regular crop rotation is essential
Okra	1.800	8 - 13 *	2,7 - 3,3 *	Direct drill & Transplant	18 - 21	60 - 90	30 - 40	50 - 60	2 - 3	8 - 14	30 - 60 **	10 - 15	6,0 - 6,8	Fertile well drained soils	Continuous picking imporves yield and frtuit quality
Onion	25.000	3,5 - 5,5 *	3 - 4 *	Direct drill & Transplant	18 - 21	25 - 40	5 - 8	55 - 65	1,5 - 2	10 - 15	120 - 170 **	50 - 60	5,8 - 6,5	Most soil types with good structure, aeration and well drained	Regular crop rotation is essential
Pepper	15.000		0,12 - 0,15 *	Transplant	20 - 25	60 - 90	40 - 60	1,8 - 2,2	0,5 - 1	7 - 10	60 - 80 **	25 - 35	6,0 -7,0	Well drained sandy loams	Regular crop rotation is essential
Radish - red round	10.000	10 - 15 *		Direct drill		20 - 30	3 - 5	100 - 125	0,5 - 1	5 - 7	20 - 25	12 - 20	5,5 - 6,8	Friable rich moist soils	
Spinach	10.000	25 - 30 *		Direct drill		10 - 30	2 - 8	125 - 150	1 - 2	5 - 10	30 - 50	10 - 15	6,0 - 7,0	Fertile and well drained soils with good structure	
Squash - cylindrical/zucchini type	750		2,5 - 3,5 *	Transplant	15 - 20	60 - 90	60 - 90	1,5 - 2,5	1 - 2	4 - 8	40 - 100 **	20 - 50	6,0 - 6,8	Well drained and rich in organic material	Continuous picking will improve yield
Squash - butternut type	750	3 - 5 *	1 - 2,5 *	Direct drill & Transplant	15 - 20	120 - 150	60 - 90	0,8 - 1,5	1 - 2	4 - 8	70 - 120 **	40 - 70	6,0 - 6,8	Well drained and rich in organic material	
Squash - pumpkin type	750	3 - 5 *	1 - 2,5 *	Direct drill & Transplant	15 - 20	120 - 150	60 - 90	0,8 - 1,5	1 - 2	4 - 8	70 - 120 **	40 - 70	6,0 - 6,8	Well drained and rich in organic material	
Sweetcorn	700	15 - 20 *		Direct drill		60 - 90	20 - 25	50 - 55	2 - 3	7 - 10	60 - 80	12 - 18	6,0 - 6,5	Well drained rich soils	
Tomato - staked crop	33.000		0,6 - 0,75 *	Transplant	18 - 21	50 - 80	50 - 60	2 - 2,5	0,5 - 1	5 - 8	60 - 80 **	40 - 80	5,5 - 6,5	Well drained and well aerated soils	Regular crop rotation is essential
Tomato - non staked crop	33.000		0,6 - 0,75 *	Transplant	18 - 21	50 - 80	50 - 60	2 - 2,5	0,5 - 1	5 - 8	60 - 80 **	20 - 60	5,5 - 6,5	Well drained and well aerated soils	Regular crop rotation is essential
Watermelon	2.000	2 - 4 *	0,5 - 0,9 *	Direct drill & Transplant	15 - 20	120 - 150	60 - 90	0,8 - 1,5	0,5 - 1	7 - 10	70 - 90 **	25 - 50	6,0 - 7,0	Well drained and well aerated soils	Regular crop rotation is essential; yield will improve after a root crop

* The exact quantity will depend on the required plantdensity
** Denotes maturity measured from time of transplanting
All figures in this Planting Guide are approximate and will vary according to soil type, environmental conditions, farm practices and variety.