

ONIONS, SPRING/BUNCHING/STRAIGHT LEAF

Cultural Information

General

Climate Requirement: Bunching onions will perform well in a wide range of conditions ranging from tropical to cold temperate areas. So long as conditions are consistent and without extremes bunching onions will do well.	
Frost Sensitivity: Although not considered particularly tender extreme cold temperatures will dramatically delay maturity.	
Seed Requirement Direct Plant (kg/ha): 12	Seed Planting Depth (cm): 1.5
Seed Requirement Transplant (g/ha):	Seeds per gram (approx): 280-300
Plant Population: 1.8-2.5 Million per Ha	
Row spacing: 4-8 rows on bed 1.6-2 m bed	Plant Spacing: 60-100 plants per meter of row
Potential Disease Problems: Leaf diseases particularly fungal diseases are a problem with some bunching onion crops.	

Germination Information

Germination Temperature: Range 5-34 C, Optimum 20-26 C	
Days to Emergence: 7-10 days	Emergence to Transplant: 18-30 days
Plant to Maturity: Dependent on season and variety 60-90 days	
Transplant Recommendation: Transplanting of onions is seldom practised although possible. Direct seeding is the usual method of sowing.	

Soil and Nutrition

Salinity Sensitivity: Moderately tolerant	Optimum pH: 6-6.8
Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)	
Vegetative: N 38 Kg, P 6 Kg, K 28 Kg, per Ha	
Harvested Product: N 53 Kg, P 30 Kg, K 45 Kg, Ca 12 Kg, Mg 5 Kg. per Ha	
Total Nutrient Removal	
N 91 Kg, P 36 Kg, K 74 Kg, Ca 12 Kg, Mg 5 Kg. per Ha	
Fertiliser Application: Application of 60% of the nutrient as a broadcast basal and the balance as foliar applications shows good results.	

Irrigation Requirement

Irrigation System: Fixed over head sprinklers are generally used due to the small planting's common with this crop.
Water Usage (average): 2-2.3 MI per Ha

Yield Potential

Average Yield: 1800 bunches per 100 metres of bed
Packing: Bunching onions are packed as bunches of 12-20 stems held by a band and then packed into cartons or boxes.

This information is subject to the following disclaimer.