

BROCCOLI

Cultural Information

General

Climate Requirement: Mild temperate climate with cool to cold nights (< 10 c) and warm days (18-22 c) will produce best results. Production outside of these conditions is possible by manipulating nutrition, irrigation scheduling and varietal selection.	
Frost Sensitivity: Purpling of the heads will occur if exposed to very low temperatures, levels will vary from variety to variety	
Seed Requirement Direct Plant (kg/ha): 1	Seed Planting Depth (cm): 1.5
Seed Requirement Transplant (g/ha): 300	Seeds per gram (approx): 200-320
Plant Population: 30500-44500 per ha	
Row spacing: 2 or 3 rows on 1.5m	Plant Spacing: 30-45 cm in the row
Potential Disease Problems: Downy mildew in the seedling stage. Black rot, Club root and Black leg in the field and nursery,	

Germination Information

Germination Temperature: Range 12-30 C, Optimum 20-23 C	
Days to Emergence: 7 days	Emergence to Transplant: 24-36 days
Plant to Maturity: Depending on season and variety 48-110 days	
Transplant Recommendation: Direct sowing into good field conditions will produce acceptable stands however transplanting of cell grown plants is strongly recommended.	

Soil and Nutrition

Salinity Sensitivity: Moderate tolerance	Optimum pH: 6-6.8
Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)	
Vegetative: N 46kg /Ha , P 13 kg /Ha, K 60 kg /Ha, Ca 20 Kg /Ha, Mg 2.2 Kg / Ha,	
Harvested Product: N 66kg / Ha , P 23 kg / Ha, K 56 kg /Ha.	
Total Nutrient Removal	
N 112 Kg /Ha, P 36 Kg /Ha, K 116 Kg /Ha , Ca 20 Kg /Ha , Mg 2.2 Kg /Ha	
Fertiliser Application: Approximately 30% of N and 60% of other nutrients should be as a basal, banded application, and the balance as 2 side dress around head initiation.	

Irrigation Requirement

Irrigation System: Fixed or mobile over head sprinklers or trickle on suitable fields
Water Usage (average): 3.8 MI per ha per crop cycle

Yield Potential

Average Yield: 850, 11 kg ice packs per ha
Packing:

This information is subject to the following disclaimer.