

CAPSICUMS, HOT CHILLI

Cultural Information

General

Climate Requirement: Like all peppers, hot chillies require a warm to hot climate with consistent mild nights >15 C and warm to hot days 25-40 C. High humidity and rainfall is not favourable and will cause quality and yield reductions.	
Frost Sensitivity: Sensitive to cold temperatures at flowering, frost tender plants	
Seed Requirement Direct Plant (kg/ha): 2-3	Seed Planting Depth (cm): 1.0
Seed Requirement Transplant (g/ha): 450	Seeds per gram (approx): 120-160
Plant Population: 10000-35000 per Ha, Usually 25-32000	
Row spacing: Double row on 1.5-2 M beds	Plant Spacing: 3 -. 6 METRE
Potential Disease Problems: Usually reasonably disease free can sometimes be effected by bacterial and fungal infections.	

Germination Information

Germination Temperature: Range 15-35 C, Optimum 23-28 C	
Days to Emergence: 8-12 days	Emergence to Transplant: 35-45 days
Plant to Maturity: Depending on variety and season 85-120 days	
Transplant Recommendation: Transplanting of cell grown transplants is strongly recommended, direct seeding is possible in ideal conditions.	

Soil and Nutrition

Salinity Sensitivity: Moderately tolerant	Optimum pH: 5.7-6.8
Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)	
Vegetative: N 45 Kg, P 9 Kg, K 39 Kg, Ca 50 Kg, Mg 37 Kg. per Ha	
Harvested Product: N 35 Kg, P 11 Kg, K 25 Kg, Ca 8 Kg, Mg 4 Kg. per Ha	
Total Nutrient Removal	
N 90 Kg, P 18 Kg, K 64 Kg, Ca 58 Kg, Mg 41 Kg. per Ha	
Fertiliser Application: All P and 60 % N and K should be as basal, balance as several side dress fertigations from flowering to crop completion	

Irrigation Requirement

Irrigation System: Flood or trickle irrigation is preferred, over head systems can increase incidence of disease.
Water Usage (average): 3.5-5.2 Ml per Ha for average crop length

Yield Potential

Average Yield: 6 kg per plant over a 2 month harvest slot
Packing: Chillies are usually packed into 3-6 kg cases sometimes prepacked into punnets

This information is subject to the following disclaimer.