

CUCUMBERS, OUTDOOR

American Slicer Types

Cultural Information

General

Climate Requirement: Cucumbers require a warm dry stable climate without extremes of heat or cold, temperatures of 26 -30 days and 17-20 nights will produce the best results cold night <10 or very hot days >35 will result in reduced yield as will excessive humidity.	
Frost Sensitivity: Very sensitive to cold and or frosty conditions.	
Seed Requirement Direct Plant (kg/ha): 2	Seed Planting Depth (cm): 3.0
Seed Requirement Transplant (g/ha):	Seeds per gram (approx): 30-35
Plant Population: 15000- 30000 per ha usually 22 -25000	
Row spacing: Single rows on 1.5 -1.8 m beds	Plant Spacing: 20-50 cm in the row
Potential Disease Problems: A range of fungal leaf diseases are the major problems of cucumbers including Powdery and Downy Mildew	

Germination Information

Germination Temperature: Range 15-35 C, Optimum 22-28 C	
Days to Emergence: 5-7 days	Emergence to Transplant: 6-14 days, 1st true leaf
Plant to Maturity: Depending on variety and season 45-70 days.	
Transplant Recommendation: Direct seeding is the preferred planting method unless sub optimum conditions apply.	

Soil and Nutrition

Salinity Sensitivity: low tolerance	Optimum pH: 6-6.8
Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)	
Vegetative: N 65 Kg, P 10 Kg, K 40 Kg, Ca 43 Kg, Mg 9 Kg. per Ha	
Harvested Product: N 35 Kg, P 8 Kg, K 35 Kg, Ca 8 Kg, Mg 5 Kg. per Ha	
Total Nutrient Removal	
N 100 Kg, P 18 Kg, K 75 Kg, Ca 51 Kg, Mg 14 Kg. per Ha	
Fertiliser Application: A banded application of 70 % of total N, all P and K , should be applied as a basal dressing balance of N as a side dress at or just before full flower.	

Irrigation Requirement

Irrigation System: Trickle irrigation or flood is preferred to any form of overhead sprinklers.
Water Usage (average): 2.1-3 ml per ha

Yield Potential

Average Yield: 1600-2200 cases per Ha
Packing: Cucumbers are usually packed into cartons of between 6 and 11 kgs.

This information is subject to the following disclaimer.