

# BEETROOT

## Cultural Information

### General

<b>Climate Requirement:</b> Beetroot will tolerate a wide range of temperatures and climatic conditions however will perform best in a mild temperate climate without extremes of heat or cold. Excessive rainfall or extreme humidity will result in a deterioration of roots.	
<b>Frost Sensitivity:</b> Regular severe frosts will cause a degree of yield reduction but they are not considered frost tender.	
<b>Seed Requirement Direct Plant (kg/ha):</b> 5-8	<b>Seed Planting Depth (cm):</b> 2.0
<b>Seed Requirement Transplant (g/ha):</b>	<b>Seeds per gram (approx):</b> 55
<b>Plant Population:</b> 520000-800000 per Ha	
<b>Row spacing:</b> 3 rows on 1.5 Metre beds	<b>Plant Spacing:</b> 2.5-3.8 cm between plants
<b>Potential Disease Problems:</b> Mainly fungal diseases of the leaves and roots which will cause yield and quality reduction.	

### Germination Information

<b>Germination Temperature:</b> Range 12-35 C, Optimum 23-28 C	
<b>Days to Emergence:</b> 10-15 days	<b>Emergence to Transplant:</b> not recommended
<b>Plant to Maturity:</b> dependant on time of year 6-12 weeks	
<b>Transplant Recommendation:</b> transplanting of beetroot is not commercially viable.	

### Soil and Nutrition

<b>Salinity Sensitivity:</b> Moderately tolerant	<b>Optimum pH:</b> 6.1-7
<b>Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)</b>	
<b>Vegetative:</b> N 90 Kg, P 10 Kg, K 64 Kg, Ca 85 Kg, Mg 90 Kg. per Ha	
<b>Harvested Product:</b> N 66 Kg, P 12 Kg, K 95 Kg, Ca 10 Kg, Mg 15 Kg. per Ha	
<b>Total Nutrient Removal</b>	
N 156 Kg, P 22 Kg, K 160 Kg, Ca 95 Kg, Mg 105 Kg. per Ha	
<b>Fertiliser Application:</b> N should be 50 % basal and balance as 2 side dresses. P, K. and other nutrients can be as basal banded applications, Bo may be required on some soils.	

### Irrigation Requirement

<b>Irrigation System:</b> Fixed or mobile over head sprinklers on suitable fields
<b>Water Usage (average):</b> 2.8-3.5 MI per Ha

### Yield Potential

<b>Average Yield:</b> 25-35 Tonne per Ha
<b>Packing:</b> Usually delivered to market with tops on in bunches of 6-10 roots.

This information is subject to the following disclaimer.