

# PEAS, FIELD

## Cultural Information

### General

<b>Climate Requirement:</b> Peas grow well in temperate conditions, they are able to cope with mild frosts until flowering. Limited spring rainfall is preferred as prolonged rainfall will produce excessive straw and pale pea colour.	
<b>Frost Sensitivity:</b> Will tolerate light frosts until flowering, frosts at or after flowering will effect yields.	
<b>Seed Requirement Direct Plant (kg/ha):</b> 70-80	<b>Seed Planting Depth (cm):</b> 3.0
<b>Seed Requirement Transplant (g/ha):</b>	<b>Seeds per gram (approx):</b> 5
<b>Plant Population:</b> 850000 plants per Ha	
<b>Row spacing:</b> 2 or 3 rows on 1.5-1.8 m centres	<b>Plant Spacing:</b> 1.8-2.5 cm
<b>Potential Disease Problems:</b> Downy and Powdery mildew are the major disease problems.	

### Germination Information

<b>Germination Temperature:</b> Range 5-28 C, Optimum 15 -22 C	
<b>Days to Emergence:</b> 7-10 days	<b>Emergence to Transplant:</b> Not applicable
<b>Plant to Maturity:</b> Dependent on variety season and area 60- 85 days	
<b>Transplant Recommendation:</b> Not commercially viable	

### Soil and Nutrition

<b>Salinity Sensitivity:</b> Moderately tolerant	<b>Optimum pH:</b> 5.5-6.8
<b>Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)</b>	
<b>Vegetative:</b> N 30 Kg, P 20 Kg, K 11 Kg, Ca 45 Kg, Mg 15 Kg. per Ha	
<b>Harvested Product:</b> N 26 Kg, P 8 Kg, K 15 Kg, Ca 5 Kg, Mg 2 Kg. per Ha	
<b>Total Nutrient Removal</b>	
N 56 Kg, P 28 Kg, K 26 Kg, Ca 60 Kg, Mg 17 Kg. per Ha	
<b>Fertiliser Application:</b> Up to 80% can be as a pre-plant banded application, the balance to be applied prior to flowering as a side dress. Note peas will fix environmental nitrogen.	

### Irrigation Requirement

<b>Irrigation System:</b> Over head fixed or mobile sprinklers or flood irrigation on suitable fields.
<b>Water Usage (average):</b> 2.8-3.5 Ml per Ha

### Yield Potential

<b>Average Yield:</b> 2.5-3 tonne per Ha
<b>Packing:</b> Processing peas are usually harvested by the factory contractors, and the grower payed by bulk weight.

This information is subject to the following disclaimer.