

# PUMPKINS, FIELD

## JARRAHDAL, SWEET GREY

### Cultural Information

#### General

<b>Climate Requirement:</b> Although they will tolerate very hot conditions pumpkins prefer warm conditions with 28-34 degree days and 18-25 degree nights. Frosts and cold (<10 C) will cause severe yield reduction or total losses. Soil temperatures should be over 18 C	
<b>Frost Sensitivity:</b> Very sensitive to cold and or frosty conditions.	
<b>Seed Requirement Direct Plant (kg/ha):</b> 3	<b>Seed Planting Depth (cm):</b> 3.0
<b>Seed Requirement Transplant (g/ha):</b>	<b>Seeds per gram (approx):</b> 4-6
<b>Plant Population:</b> 2500-3500 per ha usually about 3000.	
<b>Row spacing:</b> 2-4 Metres	<b>Plant Spacing:</b> 1-2.5 Metres
<b>Potential Disease Problems:</b> Powdery Mildew is common as are various Mosaic type viral diseases. Control is difficult to impossible if conditions favour these diseases	

#### Germination Information

<b>Germination Temperature:</b> Range 15-35 C, Optimum 22-28 C	
<b>Days to Emergence:</b> 5-7 days	<b>Emergence to Transplant:</b> 6-14 days, 1st true leaf
<b>Plant to Maturity:</b> Depending on variety and season, 85-150 days	
<b>Transplant Recommendation:</b> Direct seeding is the preferred planting method unless sub optimum conditions apply.	

#### Soil and Nutrition

<b>Salinity Sensitivity:</b> medium-low tolerance	<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 28 kg / Ha, P 10 kg / Ha, K 27 Kg / Ha, Ca 105 Kg /Ha, Mg 12 Kg / Ha	
<b>Harvested Product:</b> N 40 Kg, P 10 Kg, and K 46 Kg. at 25 tonne per Ha.	
<b>Total Nutrient Removal</b>	
N 75 Kg, P 20 Kg, K 73 Kg, Ca 120 Kg, Mg 16 Kg / ha	
<b>Fertiliser Application:</b> Approximately 70 % of total including all P should be applied as a basal application and the balance as side dresses when the vines begin to flower and actively run.	

#### Irrigation Requirement

<b>Irrigation System:</b> Flood or trickle irrigation is preferred, over head systems can increase incidence of fungal disease
<b>Water Usage (average):</b> 4.8-5.5 Ml per ha per crop more in extreme heat

#### Yield Potential

<b>Average Yield:</b> 22-25 tonne per Ha
<b>Packing:</b> Usually sold in bulk by the kg in bins, cages of 1000 kg, sometimes bought in bulk in the field. Will store well if kept dry and undamaged.

This information is subject to the following disclaimer.