

# CAULIFLOWERS, 11-15 WEEK TYPES

## Cultural Information

### General

<b>Climate Requirement:</b> Cauliflower prefer cooler conditions with night temperatures of 8-12C and mild days < 22C producing best results, other conditions will be tolerated so long as the day / night differential is not more than 12C and maximum <30C	
<b>Frost Sensitivity:</b> Frosts can be tolerated but will slow maturity. Severe cold conditions early in the season may also be detrimental to final yield.	
<b>Seed Requirement Direct Plant (kg/ha):</b> 1	<b>Seed Planting Depth (cm):</b> 1.5
<b>Seed Requirement Transplant (g/ha):</b> 200	<b>Seeds per gram (approx):</b> 200-320
<b>Plant Population:</b> 18000-30000 per ha usually 20-25000	
<b>Row spacing:</b> 2 rows on 1.5 m or 3 rows on 2 m centres in the rows	<b>Plant Spacing:</b> 50-75 cm
<b>Potential Disease Problems:</b> Downy mildew and pythium in the seedling stage. Black rot, Club root and Black leg in the field and nursery,	

### Germination Information

<b>Germination Temperature:</b> Range 12-30 C, Optimum 20-23 C	
<b>Days to Emergence:</b> 7 days	<b>Emergence to Transplant:</b> 24-36 days
<b>Plant to Maturity:</b> Depending on variety 80-120 days	
<b>Transplant Recommendation:</b> Direct sowing into good field conditions will produce acceptable stands however transplanting of cell grown plants is strongly recommended.	

### Soil and Nutrition

<b>Salinity Sensitivity:</b> Moderately tolerant	<b>Optimum pH:</b> 6-6.8
<b>Nutrient Removal (kg/ha) (At average yield, greater if yield is higher)</b>	
<b>Vegetative:</b> N 35 Kg, P 10 Kg, K 14 Kg, Ca 5 Kg, Mg 2 Kg. per Ha	
<b>Harvested Product:</b> N 110 Kg, P 25 Kg, K 95 Kg, Ca 12 Kg, Mg 5 Kg. per Ha	
<b>Total Nutrient Removal</b>	
N 145 Kg, P 35 Kg, K 110 Kg, Ca 17 Kg, Mg 7 Kg. per Ha	
<b>Fertiliser Application:</b> Will vary with maturity of the selected variety long term crops will require up to twice the nutrients of some quick varieties. Care with N required when approaching maturity.	

### Irrigation Requirement

<b>Irrigation System:</b> fixed or mobile over head sprinklers or trickle on suitable fields
<b>Water Usage (average):</b> 3.5-5 MI per Ha

### Yield Potential

<b>Average Yield:</b> 85-90 % of heads harvested
<b>Packing:</b> Fresh cauliflower is usually marketed in 56-64 l cartons, specialist markets demand wrapped or face packed curds in tray pack cartons.

This information is subject to the following disclaimer.