

A short term cash crop which could earn a farmer \$14,475 from one hectare.

### 1. Recommended Varieties.

- Scarlet O'hara
- Chantenary
- New Kuroda
- New Kuroda improved
- Baby Carrot

### 2. Expected Yield

- 10 - 15 tonnes/ha

### 3. Soil Requirement

- Requires a well drained, well structured alluvial soil with good moisture holding capacity.

### 4. Planting Time

- Carrots prefer cool season growing conditions with optimum growing temperature of 15 - 20°C.



### 5. Seed Rate

- 2.5 to 4.0kg/ha

### 6. Spacing

- 50 - 75cm between rows
- 8 - 10cm within rows

### 7. Land Preparation

- Two ploughing and two harrowing is recommended for good soil tilth.

### 8. Method of Planting

Direct sowing on very well prepared fine soil.

### 9. Fertilizer Requirement

- Poultry manure - 10 tonnes/ha basal application.
- NPK 13:13:21-200 kg/ha - basal application.
- Urea 100kg/ha - top dress when plants are 3 to 5cm in height.

Note: Keep Urea away from plant base (carry out foliar application for quick response).

### 10. Weed Control

- Weeds – Apply Linuron as a pre-emergence at 1.5kg/ha.
- Hand weeding and hilling is also recommended

### 11. Pest Control

- Aphids - Spray Dimethioate at 15ml/15L of water (Sold as Rogor)
- Cutworms - Spray Acephate 75%

a.i at 20g/15L of water (Acephate is sold as Orthene & Sunthene) or Endosulfan at 10ml/15L of water.

### 12. Disease Control

- Alternaria leaf blight – make good drains and dust seeds with Mancozeb.
- Nematodes – avoid areas known to be infested Root Knot Nematode. Practice crop rotation.
- Soft Rot - apply Mancozeb at 50g/15L of water or Copper Oxychloride at 60g/15L of water (Sold as KOPI) or Use Kocide at 30g/15L of water to prevent fungal infections

### 13. Harvesting

Water beds lightly and pullout carrots gently. Harvest after 15-18 weeks from planting.

### 14. Storage

For maximum storage carrots should be







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cool stored at 0°C and 90 - 100% relative humidity.

Expected storage time for topped carrots 5 weeks. Carrots are sensitive to ethylene present in the storage atmosphere and effective storage time will be reduced.

#### 15. Returns

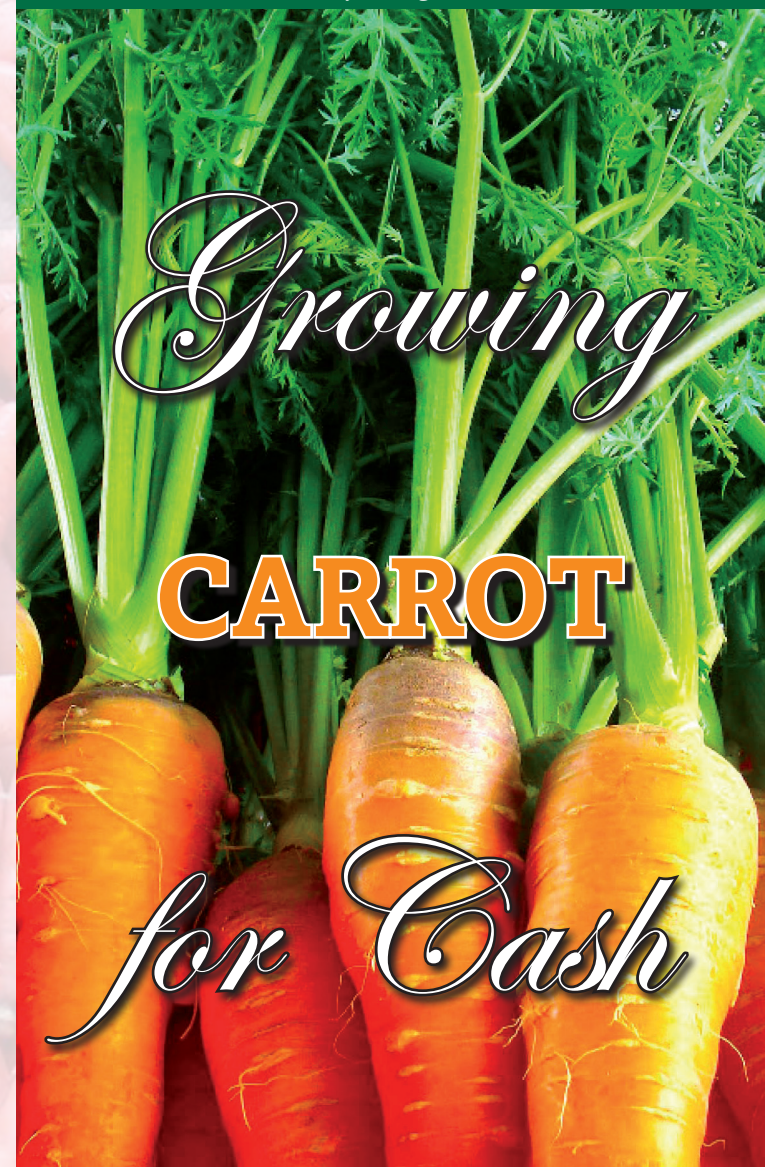
For the yield of 10 - 15 tonnes/ha if sold at \$1.50/kg can give a gross income of \$15,000 - \$22,500/ha.

#### 16. Food Value

Carrot is a good source of dietary fibre, potassium, vitamin A and vitamin C.



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*Growing*

**CARROT**

*for Cash*

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