

## **Carrot**

Scientific name : *Daucus carota*

Hindi : Gajar

Englih : Carrot

Mizo : Buleng.

### **Sik leh sa :**

- Khawvawt a chin chi a ni
- Khawlum tuar thei deuchte pawh a awm
- Khawlum lam 20<sup>o</sup>C -25<sup>o</sup>C a mamawh a.
- Khawvawtah a bul a sei
- Khawlumah a bul a tawi
- Ni eng tam tak a mamawh
- A bul niin a hem tur a nilo

### **Leilung mamawh zawng:**

- Lei thawl leh dur thaah a tak duh ber
- Tlak leiah a bul a thang theilo, a mam tha lo bawk
- Lei thurah a tha theilo;pH 6.5 5 a mamawh
- Lei thur a ngai thei lo
- 

**Leitha (fertilizer) mamawh zat :** Leitha mamawh zat hi lei that leh that loh dan a zirin a danglam hret thei a, chumi mil chuan her rem tur a ni.

Bawngkek leitha : 10 -15t/ha

- N : P : K : : 60 : 60 : 90

Urea – 80 Kg/ha

DAP – 130 Kg/Ha

MOP – 150 Kg/Ha

- Urea hi kar 2-3 danah vawi 2-3 pekah hman tur.

**A chin dan :**

- Lei uluk taka cheh dip tur a ni a, lei tlang awmnaah a bul a nalh theilo
- Thuk tak thlenga cheh dip a tha
- A chi theh hmain darkar 12 – 24 chhung tuia chiahin a tiak hma
- 30 -45cm kar danah line siam a tah chuan leidip nen chawhpawlh a theh tur a ni
- A chi hi a tiak har deuh a, ni 10-20 velah a tiak tlangpui
- A chi tiah hmain tui a hnawng tawk a awm reng tur a ni.
- Tui huh lutuk a ngeih lova, ro lutuk a thalo bawk
- A hnah a vuai hma deuhin tui pek thin tur
- A tiak a bit lutuk chian 4-5cm danah suat thawl tur
- 

**A chi mamawh zat : 7Kg/ha**

**A chin hun - August – September**

**A kar hlat zawng :**

A thar hma chi :- 60cm x 30cm

A thar tlai chi :- 60cm x 40cm

**Enkawl zui dan :**

- A tir lamah a than muan deuh avangin hnim thlawh fai reng tur
- A bul rih vur tur a ni a, a bul a lan chuan a hring duh a, tin rihvur hian a bul a insiam tha bik bawk.
- A seng hma ni 2 velah tui pek tur, a pawh phawi a awlsam bik
- A par chhuahna tur lo chawr chhuah hma deuhin seng a hun
- Seng har deuh chuan a bul a thawp duh a, a ei tlak loh thin

**Thar zat : 15-30t/ha**

**Post harvest Management:**

Carrot tharlam chu ni 3-4 bak a dah that theih lova. Amaherawhchu cold storage-ah chuan a quality hlahv vak lovin rei tak a dahthat theih thung a ni. Khawlum lam  $0^{\circ}\text{C}$  - $4.5^{\circ}\text{C}$  leh 93-98% relative humidity-ah chuan carrot hi thla 6 chung a dahthat theih ani.

**Natna leh rannung laka ven dan(plant protection)****Rannung:****Leaf hopper (*Empoasca punjabensis*):**

A puitling tawh leh a note-in a tuihnang a zuk a, thlai a thang chak thei thin lo.

**A ven dan:**

Monocrotophos or Phosphamidon or Diamethoate or Oxymethyl demeton (0.05%) a kah tur

**Cut worm (*Agrotis ipsilon*):**

Zanah a tiak thar tirte seh chhum thin

**A vendan:**

Chlorpyrifos(0.1%) a hneh taka lei leih huh tur

North East India-ah chuan bawkbawn natna lian tham sawi tur a awmlo

**Table: Cost of cultivation of carrot**

Sl. No.	Agronomic Practices	Amount/Number	Rate/Unit (Rs.)	Total Cost (Rs.)
1.	Land Preparation	2 ploughings	1500/ha	3000.00
2.	FYM Amount of FYM Scattering of FYM & initial dose of fertilizer Mixing of FYM with Cultivator	15 tonnes 15 mandays Once	600/t 130/manday 1500/ha	9000.00 1950.00 1500.00
3.	Cost of seed	5kg	80/kg	400.00
4.	Seed sowing	40 mandays	130/manday	5200.00
5.	Irrigation	-	-	5000.00
6.	Intercultural operation	30 mandays	130/ mandays	3900.00
7.	Cost of Fertilizers Urea DAP MOP	123kg 130kg 100kg	Rs4.83/kg Rs 9.35/kg Rs4.26/kg	594.00 1216.00 426.00
8.	Plant Protection Measures	-	-	4000.00
9.	Cost of Harvesting & Marketing Harvesting Cleaning, grading & packing Packing material	30 mandays 6 mandays Baskets, crates, gunny bags etc. 200q	130/ mandays 130/ mandays - 25/q.	3900.00 780.00 5000.00
10.	Transportation charges			5000.00
11.	Miscellaneous			5000.00
12.	<b>Total</b>			<b>55866.00</b>

13.	Interest on working capital @ 12% p.a. for 6 months			3352.00
	<b>Total cost of Cultivation</b>			<b>59218.00</b>
	Gross Returns (Rs./ha.)	200q	1000/q	200000.00
	<b>Net Returns (Rs./ha.)</b>			<b>140782.00</b>
	<b>Benefit-Cost Ratio</b>			<b>2.38</b>