

# Economics of Date Palm per (acre)

Planting Distance:9x9 mt.										No.of plants=50			
Particulars/Year	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	TOTAL		
Fruit Production(kg)	0	0	0	30	50	80	120	160	200	200			
Production/Acre(kG)	0	0	0	1500	2500	4000	6000	8000	10000	10000			
Rate/kg	0	0	0	45	45	45	45	45	45	45			
<b>TOTAL INCOME RS.</b>	0	0	0	67500	112500	180000	270000	360000	450000	450000	1890000		
<b>EXPENSES</b>													
labour Exp.Rs.	7500	8000	9500	15000	17500	20000	25000	30000	35000	40000			
Material Exp. Rs.	4000	4500	9000	10000	12500	15000	19500	22500	27500	30000			
Manuring Exp. Rs.	5000	6000	8000	9000	10000	11000	13550	16990	18300	21665			
<b>TOTAL EXPENSES RS.</b>	<b>16500</b>	<b>18500</b>	<b>26500</b>	<b>34000</b>	<b>40000</b>	<b>46000</b>	<b>58050</b>	<b>69490</b>	<b>80800</b>	<b>91665</b>	481505		
<b>TOTAL INCOME RS.</b>	<b>-16500</b>	<b>-18500</b>	<b>-26500</b>	<b>33500</b>	<b>72500</b>	<b>134000</b>	<b>211950</b>	<b>290510</b>	<b>369200</b>	<b>358335</b>	1408495		
Loan installment Rs	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	1800000		
Loan interest Rs	0	21600	19440	15120	12960	10800	8640	6480	4320	2160	101520		
Estimated Gain Rs	<b>-34500</b>	<b>-58100</b>	<b>-63940</b>	<b>380</b>	<b>41540</b>	<b>105200</b>	<b>185310</b>	<b>266030</b>	<b>346880</b>	<b>338175</b>	1126975		

**Date palm gives production for 50-60- Years.**



**Kutch Crop Services Pvt. Ltd.**

**Successful Cultivation of Date Palm**

**(KHAREK/KHAJOOR)**



Website :  
[www.kcslindia.com](http://www.kcslindia.com)

**CONTACTS**

**Office and Nursery-Tissue Culture Laboratory**

**Opp.Mahesh Nagar,Gundala Road**

**Mundra - Bhuj.(KUTCH)GUJARAT. PinCode-370421.**

**E-mail :mktg@kcslindia.com**

- **Sunil Vaishnav : M.+91 82009 97901 (General Manager)**
- **Kalpesh Shah : M.+91 82009 97902 (Manager-Business Development)**
- **Arvind A. Patel : M. +91 82009 97907 • Hirji P. Rathod : M. +91 82009 97910**

# Successful Cultivation of Date Palm

## **Preamble:**

Date palm is considered to be a " BLESSED TREE" Of Kutch region and its fruit is popular worldwide, Date palm can be cultivated in varying types of soils and water. Once planted, it yields income for almost an entire generation (approx. life span of date palm is 60 years).

## **Varieties of Date palm:**

Keeping in view the quality as well as quantity of fruit, it is advisable to cultivate tissue cultured Date palm only. There are two varieties of Tissue culture date palm available with us.

1. Barhee (golden fruit)

2. Local elite (red & golden fruit of Kutch region.)

Both the above, are fresh fruit varieties and are produced in our laboratory at Mundra-Kutch. We also import the Barhee variety for distribution to farmers.

## **Land Preparation:**

Date palm can be Cultivated in all soil types except paddy land and salt pans in the vicinity of the sea shore. Water is required for irrigation but quality is not a constraint.

Spacing 9x9 mt.

Size of the pit: 1x1x1 mt.

Pits Should be dug and exposed to sun for about 10 days. They should be filled with the good quality of manure, river sand and anti-termite chemical. The pits then should be saturated with water. After 2-3 days the plants should be put right in the centre of the pit. The plants should be regularly given water through drip irrigation. This will reduce the mortality and the plants can also be fed with nutrients through fertigation which will lead to its good development.

## **Inter Cropping:**

Due to wide spacing of 9x9 mt., the farms are lured to use this

space for cultivation. We suggest inter cropping with crops like flowers, vegetables, fodder, oil seeds, legumes which are of short duration and will not hamper the growth of Date palm.

## **Nutrition:**

After 15 days of planting, the Crop should be treated by foliar application using soluble fertilizers like 19:19:19, 12:61:0, 0:54:34 NPK. The above fertilizers combinations can also be given through drip irrigation.

## **Irrigation:**

Immediately after planting, daily about 15-20 lit. water per plant should be given. In summer season, the plants should be given 30 lit. water every day. For adult tree, at the time of flowering/fruiting approx. 100 - 150 lit. water should be given every day. In winter as well as monsoon, irrigation can be given, keeping in view, the soil moisture content.

## **Plant Protection:**

There is no threat of any major pests in Date palm. Infestation of palm weevil and rhinoceros beetle are generally seen in Date palm. These can be effectively controlled if the palms are monitored properly.

## **Production/Yield:**

The Date palm starts production at 3rd - 4th Year after planting. As in case of Date Palm, the male and female trees are separate, Manual pollination has to be done. Effective pollination is very important for the tree to produce good quality and tasty fruits. The tree produces 30 kg in the 4th year which increases to somewhere between 200 - 250 Kg at the end of 7th year.

## **DISCLAIMER CLAUSE :**

The above information is intended solely to provide general cultivation guideline. It is the responsibilities of the individual farmer/cultivator/user to practice judiciously the above information to their local/regional conditions of soil, climate & agricultural practices etc. No liabilities of claim will be accepted by Company for any harm/damage that may have caused during the implementation of the same.