



sampangi

**Bio-Farms Pvt Ltd.**

# DATE PALM CULTIVATION

We Sampangi Farms Pvt Ltd, Started Modern way of Cultivating Date Palm of 150 Acres with Certified Agri Consultant at Narayankhed , Gatlingampalli (vill) , Manoor (mdl) , Sangareddy (dst) .



# ABOUT DATE PLANT

Dates are delicious and Nutritious Fruit that grow on the date palm tree. They are widely consumed through the world and hold high value in many cultures and religious. It contains high fabric and sugar content.





# Health Benefits of Date Fruits



- Promotes Heart health & reduces Heart Diseases.
- Helps in preventing Colon Cancer.
- Prevents Iron deficiency and Anaemia.
- Helps to boosting Sexual Health.

- Relieves Constipation & Regulates Bowel movements.
- Controls Diarrhoea.
- Reduces Blood Pressure.
- Promotes Respiratory & Digestive health.
- Helps in Pregnancy & Deliveries.
- Helps in Arthritis Patients.
- Helps in reducing Colitis risk.
- Helps in weight gain.

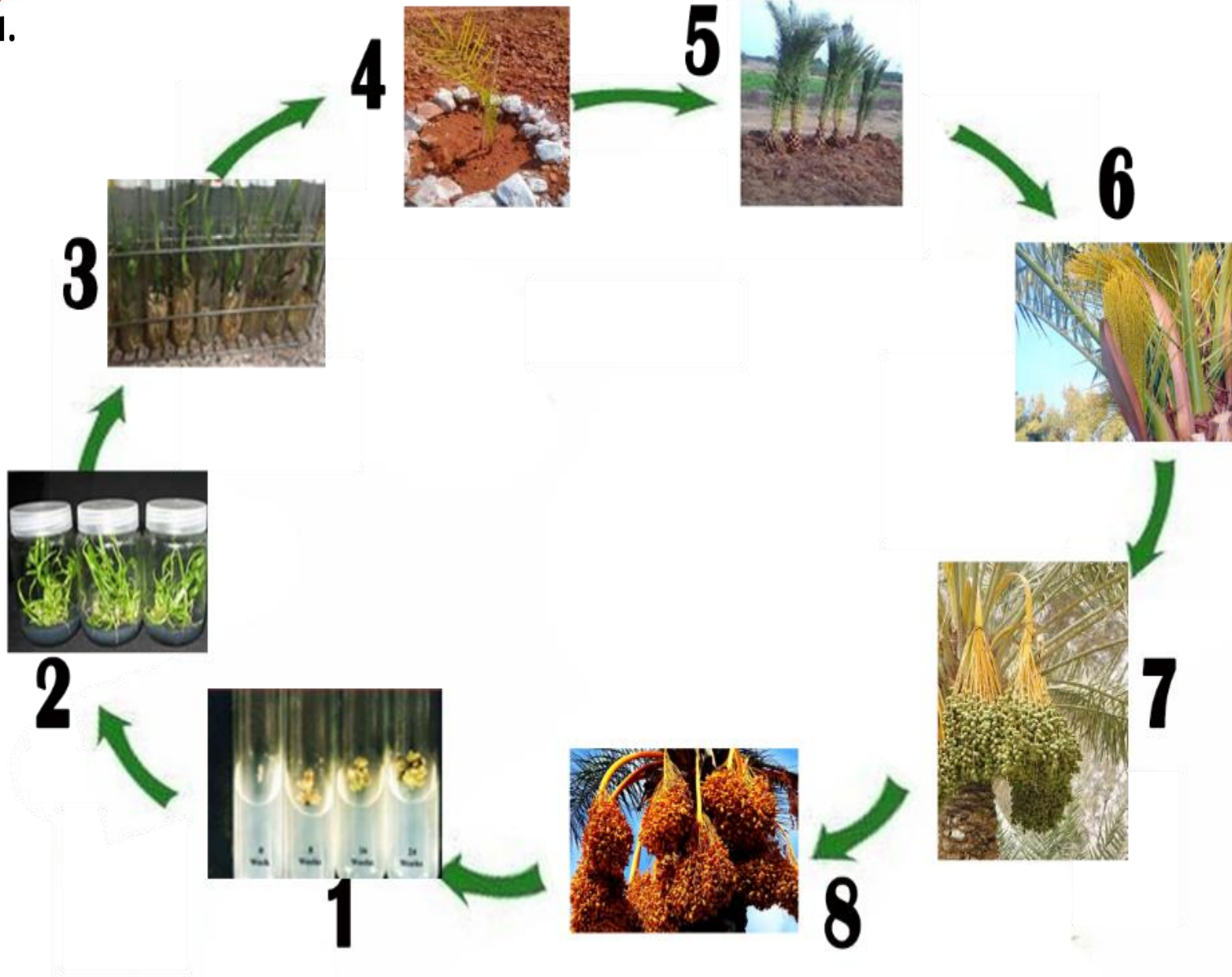
# WHY TO DO DATE CULTIVATION

- India is Importing 5 lakh Tons Date Fruits yearly from Gulf countries
- As per Demand & Supply, Supply is very less and there is an increased demand of Dates consumption on daily basis. of day by day.
- Though we are cultivating lakhs Hectares, we are unable to meet up the “Supply” “Demand” gap.
- Date fruit has more Medicinal properties with Low Glycaemic Index, so Diabetics patients also can consume it. Even Doctors are recommending to use Date Syrup instead of Sugar adding in the milk to children for better health. Even can use in Coffee & Tea (Due to original Honey availability)

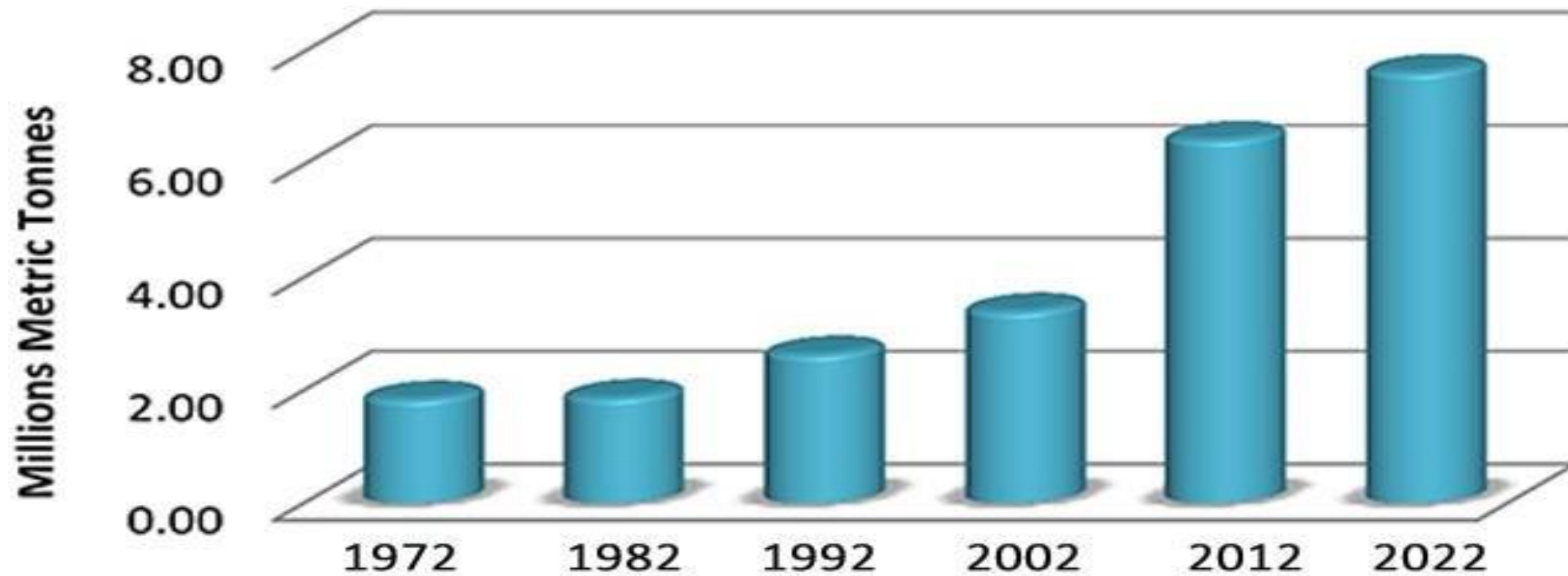




# GROWTH CYCLE



# DATE PRODUCTION





# 5 gunta DATE FARM

- Income will start from 4<sup>th</sup> year onwards once you do planting  
80 years life span of Dates Tree.

## ASSURED INCOME

YEAR	YIELD IN KG PER PLANT	PRICE PER KG	INCOME PER PLANT	TOTAL INCOME	CUSTOMER INCOME 50%
4 <sup>TH</sup> YEAR	80	100	8000	72,000	36,000
5 <sup>TH</sup> YEAR	120	100	12000	1,08,000	54,000
6 <sup>TH</sup> YEAR	200	100	20000	1,80,000	90,000
7 <sup>TH</sup> YEAR	300	100	30000	2,70,000	1,35,000
8 <sup>TH</sup> YEAR	350	100	35000	3,15,000	1,57,500
9 <sup>TH</sup> YEAR	400	100	40000	3,60,000	1,80,000
10 <sup>TH</sup> YEAR	500	100	50000	4,05,000	2,02,500

**After 10<sup>th</sup> year onwards up to 80 years yield will be standard.**

# 1/2 ACRE DATE FARM

- Income will start from 4<sup>th</sup> year onwards once you do planting  
80 years life span of Dates Tree.

## ASSURED INCOME

YEAR	YIELD IN KG PER PLANT	PRICE PER KG	INCOME PER PLANT	TOTAL INCOME	CUSTOMER INCOME 50%
4 <sup>TH</sup> YEAR	80	100	8000	2,80,000	1,40,000
5 <sup>TH</sup> YEAR	120	100	12000	4,20,000	2,10,000
6 <sup>TH</sup> YEAR	200	100	20000	7,00,000	3,50,000
7 <sup>TH</sup> YEAR	300	100	30000	10,50,000	5,25,000
8 <sup>TH</sup> YEAR	350	100	35000	12,25,000	6,12,500
9 <sup>TH</sup> YEAR	400	100	40000	14,00,000	7,00,000
10 <sup>TH</sup> YEAR	450	100	45000	15,75,000	7,87,500

**After 10<sup>th</sup> year onwards up to 80 years yield will be standard.**

# 1 ACRE DATE FARM

- Income will start from 4<sup>th</sup> year onwards once you do planting  
80 years life span of Dates Tree.

## ASSURED INCOME

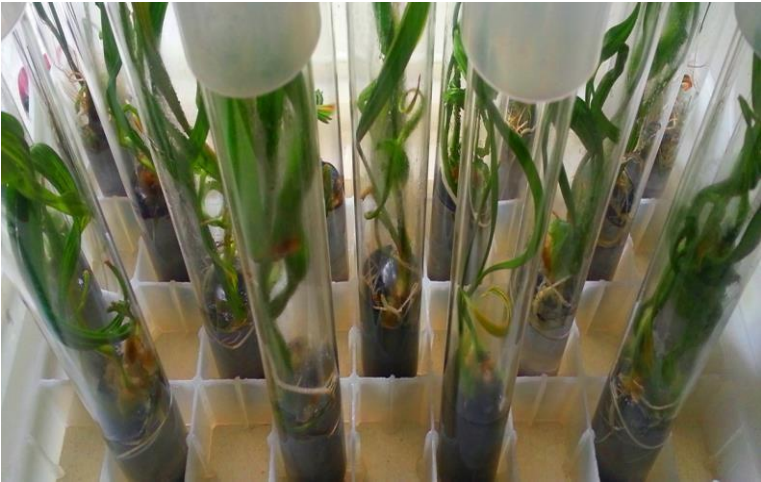
YEAR	YIELD IN KG PER PLANT	PRICE PER KG	INCOME PER PLANT	TOTAL INCOME	CUSTOMER INCOME 50%
4 <sup>TH</sup> YEAR	80	100	8000	5,60,000	2,80,000
5 <sup>TH</sup> YEAR	120	100	12000	8,40,000	4,20,000
6 <sup>TH</sup> YEAR	200	100	20000	14,00,000	7,00,000
7 <sup>TH</sup> YEAR	300	100	30000	21,00,000	10,50,000
8 <sup>TH</sup> YEAR	350	100	35000	24,50,000	12,25,000
9 <sup>TH</sup> YEAR	400	100	40000	28,00,000	14,00,000
10 <sup>TH</sup> YEAR	450	100	45000	31,50,000	15,75,000

**After 10<sup>th</sup> year onwards up to 80 years yield will be standard.**



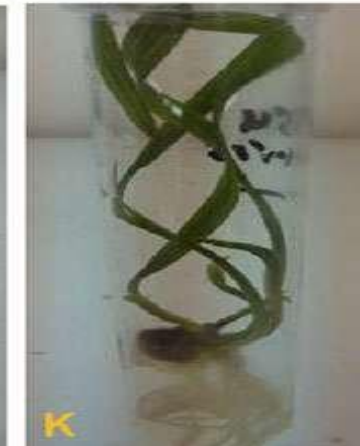
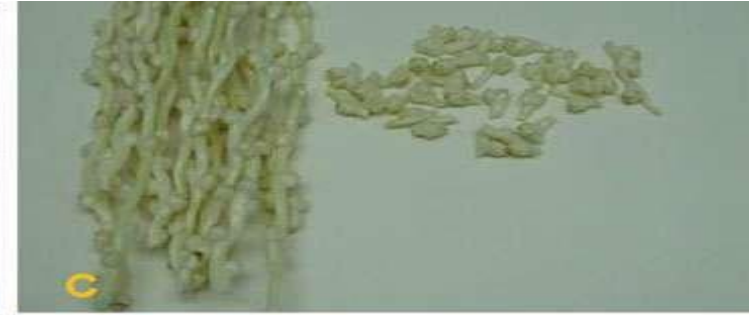
# Tissue Culture Plants

Both Female & Male Plant Price: Rs6,500/- X80=5,20,000 per 1Acre.





# PROSESS OF TISSUE CULTURE PLANT

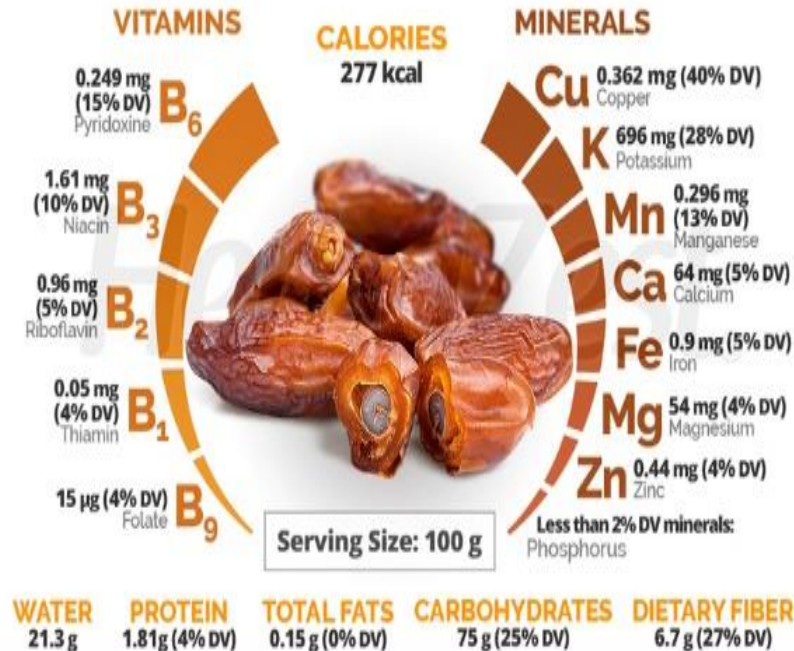


The regeneration and somatic embryo formation processes of the inflorescence tissue of date palm: (a) plant material, (b) complete inflorescence (30-40 cm), (c) inflorescence explants (1 cm), (d) explants in medium, (e) callus formation, (f) callus proliferation, (g) white callus, (h) somatic embryo proliferation, (i) plantlet regeneration, (j) plantlet elongation, (k) medium used for establishment of proper rooting system



# DATES BENEFITS

## Dates Nutrition



## Dates Benefits & Properties



**Digestive, Nutritious**

### Main Applications

- Relieving constipation
- Controlling blood sugar levels

### Supportive Compounds

- Sucrose
- Phenols
- Fatty acids (mainly palmitic acid)
- Phytoestrogens

### Medicinal Actions

The high amounts of **dietary fiber**, **potassium**, and **sucrose** in dates are thought to be responsible for stimulating gastrointestinal activity and promoting regular bowel movements. On the other hand, scientific studies suggest that a combination of **phenols**, **fatty acids**, and **phytoestrogens**, improves insulin resistance, stabilizing blood sugar levels in people with type 2 diabetes.



## How to Use Dates

- FRESH
- DRIED
- INFUSION
- SYRUP
- POWDER
- LIQUID EXTRACT
- CAPSULES



### Did you know?

Dried dates have the **second highest levels of phytoestrogens** in fruits, after dried apricots. Phytoestrogens have proven to be useful in the prevention and management of **type 2 diabetes**.

# SUCCESS STORY



Shri Nishant Kumar, s/o Shri Kanaram Choudhary lives in village Rajmathai, Panchayat Samiti Sankada, Jaisalmer and has 17 Acres of Agriculture land in Khasra No. 1164. For the last 25 years he grew traditional crops like Guar, Bajra, Sarson and Cumin. For irrigating the fields through sprinklers, an electric connection has also been provided on the farm to grow crops but the farmer has not been able to reap higher dividends. In year 2009, the department of Horticulture implemented scheme for Date Palm plantation. In this scheme, the farmers have been provided the date palm plants through tissue culture technique. He grown barahi variety of date palm in 2.24 Acres, khuneizi variety in 12.35 Acres. and Medjool variety in 1.12 Acres.



After 4 years, the process of fruit bearing started and each tree produced 80 kg of fruit. In the succeeding year each tree bore 80 kg fruit of date palm thus the farmer was able to gain a return of Rs. 6.40 lakh in each Acre with this proven tissue culture technique, each tree of khuneizi, Barahi and Medjool varieties produced 100, 150 and 200 kg of good quality date palm respectively in the year 2016. The farmer sold barahi and khuneizi variety of date palm (Fresh) at Rs. 100/- per kg.







# THANK YOU

