

DATE FRUIT CULTIVATION



DATE PALM & PHOENIX BIRD



- Botanical Name - Phoenix dactylifera L.
- The Bird Phoenix lives 500 years, Burns all feathers and Rejuvenated with new feathers.
- Date palm also can regrow even if all its leaves and outer parts are burnt.
- HENCE - Genus is PHOENIX .
- LIFE OF DATE PALM IS 100 years .

DATE - A EXCEPTIONALLY HIGH VALUE FRUIT

FRESH DATES



DRY DATE KHARIK



PIND KHAJUR SEMI DRY DATES



1. Historical- One of the most ancient fruit crop known to human civilisation
2. Nutritional - Rich in Sugar, vitamins , Ca,Mg,K, Fe,P, CLS. (mine fruit)
3. Staple food value - Staple food of Arabians and difficult areas .
The fruits are eaten as in all three stages .
4. Health - 7 dates in empty stomach avoid effect of poison and illness (Written by Prophet Mohammad in Hadith)
5. Environment purifiers - consume more CO2, reduce climatic temperature improves saline and alkaline soils , avoid soil erosion and desertification.

DATE PALM CLIMATIC REQUIREMENT

HEAT
CLIMATE
RAINFALL
SUMMER
HUMIDITY
TEMPERATURE
SOIL
DRAINAGE
IRRIGATION

HIGH HEAT AND SUNLIGHT
ARID AND SEMI ARID
LOW RAINFALL
LONG HOT SUMMER
LOW RELATIVE HUMIDITY
HIGH TEMPERATURE (42-56)
ANY TYPE OF SOIL
WELL DRAINAGE NEEDED
OPTIMUM REQUIRED

CULTIVATION PRACTICES

- Varieties planted - Barhee,
- Planting season - February March
- Spacing - 8Mx8M
- Plants per acre - 63
- First crop - After 3 years in tissue culture, 4 years in offshoot, and 7 years in seedling propagation
- Manual Hand Pollination Is crucial operation
- No any major pest and diseases
- Required sufficient water during flowering and fruiting

RESULT



Success story depicted in AGROVAN a state wide Newspaper
NOW IT'S FIVE YEAR OLD - Yielded
First crop ₹9.3 lakh ,Second crop ₹17.8 lakh
THIRD HARVEST IN JULY WILL PAY AROUND 28 LAKHS
₹4 lakh per acre
Hundreds of farmers are visiting the orchard

ECONOMICS
Expenditure - ₹ 1750 per palm.
Production value - ₹ 6000 per palm from 4th year.
Net Profit per palm - ₹6000 - ₹1750 = Around ₹ 4250
Per acre 63x4250 = ₹ 267759.

INDIAN SCENARIO

INDIA IS NET IMPORTERS

World's largest importer (40 % out of total import)
India imports - 2.86 Million MT dates per annum.
Import value - 1900 crore per annum

AREA AND PRODUCTION

AREA UNDER DATE - 12493 ha
Production 85351 tonnes per annum (Dokha stage predominantly in production in Kachchh area)

VERY BIG GAP IN DEMAND AND SUPPLY

HUGE SCOPE TO INCREASING AREA AND PRODUCTION OF DATES IN INDIA

EFFORTS IN PROMOTING DATE CULTIVATION IN INDIA

Special efforts by Rajasthan, and Gujarat
A state of art demonstration plot on **400 acres at Jaisalmer and Bikaner**
Govt of Rajasthan provide **90%** subsidy for tissue culture saplings
Govt of Gujarat provide **56%** subsidy for tissue culture sapling cost .

MAHARASHTRA
Date fruit is **not in the fruit list** of Maharashtra and it's a totally new intervention
After this intervention Around **110 acre** area has come under cultivation.
May go up to **1000 acre** in 5 year.

For more info Please Contact :

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