



Avacado Plant Cultivation



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एवोकाडो की व्यवसायिक स्तर पर खेती

Introduction:



The **avocado** (*Persea americana*) is a medium-sized, evergreen tree in the laurel family (Lauraceae). It is native to the Americas and was first domesticated in Mesoamerica more than 5,000 years ago. Then as now it was prized for its large and unusually oily fruit. The tree likely originated in the highlands bridging south-central Mexico and Guatemala. Its fruit, sometimes also referred to as an **alligator pear** or **avocado pear**, is botanically a large berry containing a single large

seed. Avocado trees are partly self-pollinating, and are often propagated through grafting to maintain consistent fruit output. Avocados are presently cultivated in the tropical and Mediterranean climates of many countries. Mexico is the world's leading producer of avocados as of 2020, supplying nearly 30% of the global harvest in that year.

Usage:



The Raw avocado flesh is 73% water, 15% fat, 9% carbohydrates, and 2% protein (table). In a 100 gram reference amount, avocado supplies 160 calories, and is a rich source (20% or more of the Daily Value, DV) of several B vitamins (such as 28% DV in pantothenic acid) and vitamin K (20% DV), with moderate contents (10–19% DV) of vitamin C, vitamin E, and potassium. Avocados also contain phytosterols and carotenoids, such as lutein and zeaxanthin.

FAT COMPOSITION

Avocados have diverse fat .For a typical one:

- About 75% of an avocado's energy comes from fat, most of which (67% of total fat) is monounsaturated fat as oleic acid (table).
- Other predominant fats include palmitic acid and linoleic acid.
- The saturated fat content amounts to 14% of the total fat.
- Typical total fat composition is roughly: 1% ω -3, 14% ω -6, 71% ω -9 (65% oleic and 6% palmitoleic), and 14% saturated fat (palmitic acid).

Species:

The best species in India is west India (IIRH) 5 main varieties Araca 1,2,3,4 and 5 , **Araca superior** is the best variety to be considered by horticulture experts and have high economic output and returns .

Marketing:

The avocado market in India is gaining traction thanks to the food service industry. Orders for the fruit by hotels and restaurants have shot up in the past decade. They are sprucing up their menus by including avocado in different dishes. Guacamole, avocado in sandwiches, salads, smoothies and ice cream have become very popular with their customers.

The avocado has turned into a mainstream food in India. Millennials in the country are driving this trend. Many of them live in cities and are aware of this superfood. Their willingness to change food habits has led to an ever-growing demand for avocado.

Unlike in previous years, avocados are now widely available in India. A budding middle class in the Asian nation are the biggest buyers of the fruit. They are spending more therefore avocados are selling fast. Bearing in mind that they are keen on good quality fruit, they prefer imported avocados over local ones.

AYURVED NFO PVT. LTD.

Harvesting:

Plants grown for the seeds will be ready for fruit harvest in 3 years only after planting. Green avocado fruits will change its color from green to yellow following the maturity . After harvesting it will get smooth after 8 to 10 days .

The yield also depends on variety of plants and age of tree an average yield of 300 to 400 fruits per tree.



Economics Of One Acre Avacado plant Cultivation:

Expenditure:

Distance (in acre)	Sapling (in land)	Cost (per plant)	Total	Other expenses(as per requirement)	Cost of cultivation
14X14 ft	230	800 per plant	230 X 800 = 184000	Fertilizers Land preparation Labor expenses etc.	184000 /-
Total Cost Of Cultivation: 184000/-					

Income:

Income of year	From each plant	Plant x production = Total weight	Company buy-back	Total
3 rd Year	30 kg	230 X 20 = 4600 kg	150 rs. kg	4600 X150 = 690000/-
4 th Year	60 kg	230 X40 = 9200 kg	150 rs. kg	9200 X150= 1380000 /-
5 rd Year	100 kg	230 X 60 = 13800 kg	150 rs. kg	13800 X150= 2070000 /-
6 th Year	150 kg	230 X 80 = 18400 kg	150 rs. kg	18400 X150= 2760000 /-
7 th Year	200 kg	230 x 100 = 23000 kg	150 rs. kg	23000 X150 = 34,50,000 /-
Total Income: 1,03,50,000/-				

Technical Support & Services:

We also provide technical support for farming. Our Service Department with technically qualified staff provide after sales service and farmers' advisory services to our customers to get better plant establishment and faster growth of Herbal and Horticultural plantations.

We have largest network of employees who deliver Plants to customers at their door steps. Free technical services to customers on planting method, management practices and plant protection measures. Our teams of Agricultural Experts periodically visits and supervise the plantations and suggest necessary guidelines to get better growth and higher returns.

The income & expenditure indicated by the company is an approximate figure, as it also depends on the nature and hard work of the farmer. Services:

1. This includes Supervision, consultancy, guidance, Transportation cost first year.
2. First production start after 3rd year and production will remain next 5 year.
3. Buy back agreement of Avacado.
4. The income expenditure indicated by the company is an approximated figure, as it also depends on the nature and hard work of the farmer.

Terms And Conditions Of Company:

1. For 1 Acre plantation the cost of Plants is Rs. 184000/-, out of which 50% i.e. Rs. 92000/- has to be paid before the cultivation and the remaining half after the planting is done.
2. The Buy Back Agreement Stamp paper of Rs.100/- has to be stamped by District Court of your area.
3. For 10 Acre or more yield the buy Back Agreement Stamp Paper will be of Rs.500/-.

For More Information Contact Us:



MAATITATVA

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“MAATITATVA AGRO INDUSTRIES PVT.LTD OF COMPANIES” was established in the year 2019 in Indore - Madhya Pradesh (India). The company is growing at a rapid pace under the farsighted guidance of highly skilled professionals. Besides, we also deal in “Contract Farming”. Our experience in cultivation, marketing of plants and seeds enable us to assist the farmers in the best possible manner. Consequently, we have earned recognition in the market. We Have deal in herbal powder, Dry Herbs, Herbal Product, spices ETC.