



ANALYSIS OF CROP YEILD ESTIMATION RATIO OF PAPAYA BASED ON FERTILIZATION OF IN TERMS OF CROP AGE

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Abstract: papaya (carica papaya col) is well known for its exceptional nutritive and medicinal parcels throughout the world from the times old, the whole papaya factory including its leaves seeds ,ripe and callow fruits and their juice is used as a traditional drug .The fruit has a large round shape ,unheroic -green skin and unheroic meat. Currently , papaya is considered as a nutraceutical fruit due to its multi-faceted medicinal parceis. The prominent medicinal parcels of papaya include anti-fertility , Diuretic anti-hypertensive , ,Anti-helminic ,Crack-mending Anti-fungal ,Anti-bacterial , Anti-tamor and free radical scavenging conditioning . , the whole factory contains enzymes (papain) ,alkaloids , , flavonoids ,minerals and vitamins .In the present review composition ,a humble attempt is made to collect all the strange data available about this delicious fruit .

INTRODUCTION

Carica papaya L. is the scientific name for the juicy and tasty fruit belonging to the Caricaceae family. India, tropical America, and Europe are just a few of the places where it is grown. The papaya tree is a tropical Indian tree with a limited lifespan. Because of its buttery flavour and look, it was once considered an unusual fruit .Papaya was the first genetically engineered fruit that humans ate because of its high nutritional value. characteristics of nutrition and medicine.

BOTANICAL DESCRIPTION

PLANT

Papaya factory is a large single-stemmed herbaceous imperishable tree having 20-30 ft height. The leaves are veritably large (up to 2 1\2 ft wide). Palmately lobed or deeply incised with entire perimeters and petioles of 1-3 ft in length .Stems are concave light green to tan brown in coor with periphery of 8 elevaton and bear prominent splint scars.



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FRUIT

The fruits are big round in shape and occasionally called pepo-suchlike berries ,since they act by having a central seed depression .Fruits are borne axillary on the main stem ,generally independently but occasionally in small clusters. Fruits weigh from 0.5 upto 20 lbs ,and are green until ripe , turning unheroic or red-orange . Meat is unheroic-orange to salmon at maturity .The comestible portion surrounds the large ,central seed depression individual fruits develop in 5-9 months ,depending on cultivar and temperature . Shops begin bearing fruits in 6-12 months.



FLOWERS

papaya shops are dioecious or hermaphroditic ,producing only manly , womanish or bisexual flowers. Papaya are occasionally said to be "trioecious" meaning that separate shops bear either manly ,womanish ,or bisexual flowers .Womanish and bisexual flowers are moldable ,ivory white ,and borne on short peduncles in splint axils along the main stem. Flowers are solitary or small cymes of 3 individualities .Ovary position is superior .prior to opening bisexual flowers are tubular ,while womanish flowers are pear shaped .



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PHYTOCONSTITUENTS OF PAPAYA

1 Anti-fertility activity

The anti-fertility good of carica papaya were delved by feeding adult and pregnant rat.s with different factors of the fruit . No attempt was made of force-feed the creatures and the results indicated that the callow fruit intruded the oestrus cycle and convinced revocation .This effect dissolved , as the fruit came banal or over riped .chloroform excerpt of carica papaya seeds convinced long term azoospermia in larger monkey . the excerpt gradarionally dropped the sperm attention and sperm motility after 30-60 days of treatment. Azoospermia ws observed after 90 days of treatment and continued during whole treatment period .Treatment pullout redounded in a gradational recovery in parameters and 150 days latterly the regressed to fresh papaya with bedded seeds.

2.Anti-tumor activity

Waterless excerpt of carica papaya splint the anti-tumor effect on the proliferative responses of solid and excrescence cell lines carica papaya excerpt inhibited the proliferative responses of solid and excrescence cell lines deduced from cervica melanoma bone hepatocellular melanoma lung pancreatic epithelioid melanoma .



3.Free-radical scavenging activity

Flavonoids are the naturally being phenolic composites present in papaya and are the potent free revolutionary scavengers .The high eventuality of phenolics to scavenge free revolutionary may be due to numerous phenolic hydroxyl groups .Waterless excerpt of carica papaya leaves showed anti-oxidant activity.

4.Anti-sickling exertion

sickle cell complaint (SCD)results from a mutation in hemoglobin inside the red blood cells. position 6 is replaced by valine .Recent studies showed that callow papaya fruit except has anti-sickling activity.

strange facts

- ✓In some counties tea made from papaya leaves is consumed as a protection against malaria
- ✓The seeds of the fruit act pepper-sludge and are comestible they can be used as a cover for block pepper.
- ✓The dinghy of papaya tree is frequently used to make trop.
- ✓Papaya contains latex ,which can beget an antipathetic response in sensitive persons .
- ✓Papaya is a veritably rich source of vitamin C

CONCLUSION

Papaya (*carica papaya col*) is well known for its exceptional nutritive and medical parcels throughout the would. The whole papaya factory including its leaves seeds ,ripe and callow fruits and their juice is used as a traditional drug currently .Papaya is considered as a nutraceutical fruit due to its manifold medical parcels. The available literature does not reveal any adverse\poisonous goods upon consumption of papaya fruit over a long period of time except that it causes gravidity. Clinical trials need to be carried out to exploit the remedial mileage of papaya in compating colorful conditions.

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