Mangosteen nutritional value and useful properties

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ABSTRACT

It produces fruits mandarin size, which are called mangosteen, they are the best tasting fruits in the world in many circles. The young leaves were pink. This article is based on the cultivation of a mangosteen in the Republic and the technology of its cultivation. These are not all the nutrients in mangosteen, but they have the highest concentration, so they can be considered specialized.

Keywords: Mangosteen, medicinal, hermaphrodite, tropic fruits, xanthone, hypocotyl tubercles.

Mangosteen in fruits there is which was antioxidants got for is ideal. Mangosteen - this disease development to stop a big contribution adds effective dori. Mangostin juice tanaga prophylactic effect show, different organs or systems pain facilitate possible.

Mangosteen in treatment complete deputy as not to drugs additional as used. This disease against to fight help that is with healing process accelerates. Mangosteen has huge benefits due to day by day its famous becoming is growing. Juice regularly as additional as acceptance did people in health noticeable positive change note they.

Different kinds of antioxidants owned into received mangosteen inflammation in treatment are significantly useful, therefore for both fruit and mangosteen demand. Mangostinin useful properties all to the world long from time to time since known. The mangosteen juice skin and contagious diseases to patients consumption to do recommended because it enters the body very useful effect shows. Scientists this plant with depending on features found from mangosteen use efficiency his contained in xanthones of the disease itself from the beginning pathogenic before microbes no to do able that is not explained .

Exotic fruit - these 2 kinds of tree hybrid (polyfolloid), binding of man without participation happened which was . Such features, due to useful is elements and of vitamins content traditional fruits than big. Of fruits useful Features:

- 100 g fruits only 65 kcal, but the body carbohydrates, proteins and oils with feeds;
- fruit and sugar derivatives (glucose , fructose , sucrose) ;
- At Mangosteen a lot amount contains ascorbic acid, vitamin E and B1 (thiamine).
- mineral content (phosphorus, calcium, potassium, iron);
- Fruits natural for antioxidants (Xanthson) appreciated. 200 celebrities modern scientists, mangematine 39 years old. This

substances heart and blood of the vein work, protein metabolism improves, viral infections improve, and brain activities to stimulate help give;

- ❖ allergic reactions affecting smoking patients, fruit puree use recommended is given;
- ❖ from food then consumption made fruits in the blood sugar-level management through weight adjusts;
- ❖ mangosteen of the gastrointestinal tract again recovery contribution addictive, food digestion to do normalizes;
- ❖ strong antioxidant effect due to great to the cells of the fruit epidermis useful effect shows;
- ❖ Surprisingly, that is, mangousine Parkinson's disease, Alzheimer's string encounter, cancer cells, leukemia, eczema and tooth pathology with to fight help gives;
- ❖ healing fruit properties of cells aging slow down and dangerous formation prevents take able

Plants cloned micropropagation in the field first to success past in the 50s of the century French scientist By George Morel achieved. It is an orchid-regenerant plant received At this time, plants apical invitro culture technique created was. Researchers primary implants as transient from plants: cloves, chrysanthemums, sunflowers, peas, corn, rhubarb, lettuce using this plant regeneration to the process and formation of the food environment content effect learned. J.Morel own experiments as well as symbidium (orchids) to his family belonging to) the plant growing 3 conical and two - three bars on the basis of has part of known conditions grow spherical spheres-protocormning yield be observed. The protocorms formed after disconnecting the new prepared food in the environment bare primordial and root yield until culture was possible. As a result, this of the process as you wish to be continued push a lot quantity, high quality, genetic a kind, virus free planting materials get possible that is detected.

That's right so that the plants cloned in micropropagation first success transient plants apical to himself suit food in the environment cultured, regenerant plant get with depending on.

But micropropagation applies to field diversity and day by day development is growing. This is the first in turn in vitro propagation of trees, especially conifers and from in vitro techniques using spice of plants rare and disappear growing species save stay with depending on. Current at the time this direction on eye visible shift seems possible. Tree-like plants texture on affairs first times in the 20s of the twentieth century French scientist Published by Gotre. In this he is a slate and of pine some types of cambium tissue in vitro callus yield to do which was ability about information gave Published in the 1940s articles of slate different cast adventiv buds yield to feature about written _ But the authors seedlings next growth and formation instead ohira they could not . Only the 1960s by Mates in the middle of the plant first regenerant plant taken to the ground before planting delivered the cast culture a lot until research for the object became service . From this plant separated juvenile texture, from it even harder big age plants cast of culture to their specific difficulty with depends on .

As you know, woody plants , especially slow grows, root shoot difficult _ They are numerous secondary metabolite compounds (phenols, and other substances) separated tissue different phenolases under the influence of oxidized . Own in turn phenol-oxidized products usually of the cell division and growth stop through primary of implants to be, or woody of plants adventive buds appear to feature decrease with characterized by . But, all these difficulties, despite the scientists scientific research as often woody plant tissue and from the authorities they use . Current to 40 families at a time unwanted 200 ha close tree species (chestnut , oak , birch , maple , birch , poplar and hybrids , pine , spruce) in vitro are multiplied.

Allocated tissue culture with performance basic condition sterility firm follows is to do. Food-rich composition of the environment

microorganism growth is also good for the substrate is Food in the environment-cultivated plant parts (transplants) of microorganisms easily infected. Therefore, for both grafts and nutrients, the medium is also sterilized to be condition _ Allocated tissue with take to be done all works (to culture transfer, new food environment transfer) sterile in rooms, (in laminar boxes) sterile tools using instead increased, separated cast grow sterility during the period save because it is necessary temperature decreases, or humidity the surface when comes cabin well plug through test tube into microorganisms entry possible .

Explant and The seeds sterilize 5–20 min in solution after sterilization how much times sterile in the water washed. The sterilization time week to nature and sterilizer of the solution activity depends on. Seeds 10–20 min, vegetative parts while sterilized for 5–10 min. Cultivation of obtained plant implants before soapy in the water rub washed and distilled in the water rinsed, then a how much 70% ethanol per second filled, seeds and 1–2 min.ga alcohol solid is placed . Alcohol cast sterilization with together basic sterilizer of the solution sterilization also increases efficiency. Alcohol then tissue sterile also rinsed in water.

External sterilization is only outside infection does. In an implant internal infection there is if so antibiotics with processing are necessary. Tropical and subtropical plant textures are rich in infection. Mushroom or bacteria with damaged cultures 1–14 days after planting then determination is possible. For microorganisms with damaged cultures to the room spread air without contamination their prevention is necessary.

Feed environments in an autoclave at a temperature of 1200C 0.75–1 atm 20 minutes under pressure during sterilized. Food environment content high at room temperature disintegrates outgoing substances, including if so these substances special bacterial filters skip cleaned, then autoclaved and cooled to 400S basic food to the environment is placed. Containers in an advanced on paper or simple on paper wrap and dry 2 h at a temperature of the 1600S cabinets during sterilization should.

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