

Palm production and its benefit



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History of palm production

- The oil palm originated in West Africa, but has since been planted successfully in tropical regions within 20 degrees of the equator
- Oil is extracted from both the pulp of the fruit (palm oil, an edible oil) and the kernel (palm kernel oil, used in foods and for soap manufacturing).

How to grow palm

- Select a good site and prepare the land,
- Get better planting material that will suit your target nursery plant e.g oil palm e.t.c
- Space the plant well to have better density, by using 4 x 6mtrs for commercial reason.
- Dig holes with shovel to a dept of 30cm to 40cm.
- put in the young seedlings and cover the base while the vegetative part is allow to be show face.

Digging a hole



Palm oil

- Palm oil is an important and versatile vegetable oil which is used as a raw material for both food and non-food industries.
- Oil palms can grow 20 metres tall with leaves up to 5 metres long. They bear clusters of fruit all year long, with each fully matured cluster weighing up to 50kg

contnd

- Palm can be cultivated only in tropical areas of Asia, Africa and South America.
- Global demand for edible vegetable oils has grown strongly in recent decades and palm oil production has expanded rapidly to meet that demands we all have to start growing palm today.

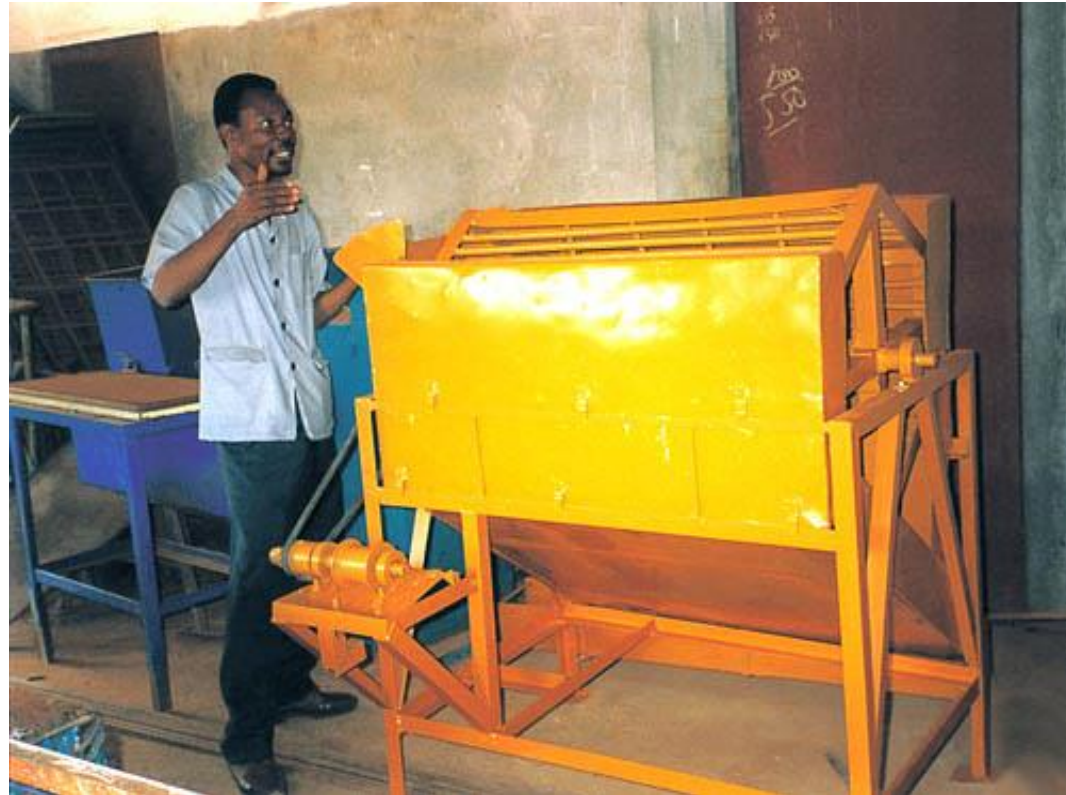
How to produce palm oil

- Bunch reception: The fresh fruit is normally emptied into wooden boxes suitable for weighing on a scale so that quantities of fruit arriving at the processing site may be checked. Large installations use weighbridges to weigh materials in trucks
- Threshing (removal of fruit from the bunches)
- Sterilization of bunches

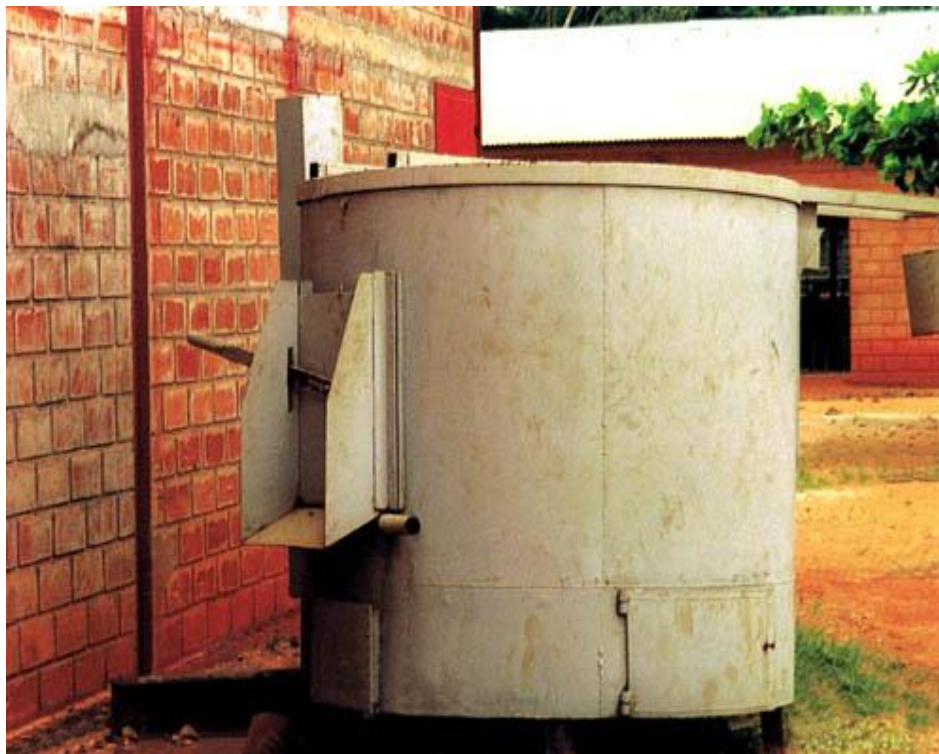
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- Digestion of the fruit
- Pressing (Extracting the palm oil)
- Batch presses
- Continuous systems
- Clarification and drying of oil

Machine used for palm production



Fruit sterilizer



spindle



Spindle(use in zambia)



Hydraulic press(nigeria)



Motorise horizontal screw press



Clarified tank



Benefit of palm production

- Nutritional health benefits of Palm Oil: Palm oil is an excellent source of beta-carotene so the health benefits of palm oil are mostly associated to its beta-carotene content
- Palm oil is full of antioxidants that keep skin looking younger by protecting the skin cells.
- Red palm oil raises the effectiveness of several breast cancer drugs up to 45% as well as inhibits the growth of breast cancer cells.

Economic benefit of palm production

- Palm oil is a vegetable oil derived from the fruit of the palm tree, it is used for both food and non-food consumption. Total global production of palm oil is estimated at over 45 million tonnes.
- World trade in palm oil has increased significantly due to increased global demand. However, there has also been public concern surrounding the impact of palm oil on deforestation

Conclusion

- The fact that this plant have a very interesting life span of about hundred years,it is also one of the highly sustainable cash crop to farmers.
- Cost of mentainance is relatively low.
- Thank you for your kind attention.