



# Agricultural and Economic use of land in Urban Area

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## Introduction:

In our project we are going to present the fruit propagation and different methods used in fruit propagation as one of the plant propagation so as to increase the yield and make appropriate use of available arable land in order to reduce and finally eliminate the problem of malnutrition in our community as we can be able to produce more fruits which can be used by children, elders and pregnant. example they can use fruit salads or make juice for their diet so as to obtain vitamins and other important nutrients required during their meals for appropriate body growth and development of a good health. Example, In fruit we can be able to obtain vitamin A that can be used to reduce the problem of Night blindness where a person can be able to focus and see property even at night. Vitamin C also can be obtained from fruits where it can be used to reduce the problem of scurvy most especially to children.



## Method:

### Questionnaire

What is fruit propagation?  
How is a fruits propagation done?  
What are the method used in propagation?  
What are the advantages of fruit propagation?

### i)Grafting method

This is the technique of connecting two piece of living plant tissue scion and rootstock together so that they will unite and form a functional plant.

i.e it involve joining a stem piece into the stem of a plant that has roots. Grafting is a technique/ method that is relatively labour intensive and require skilled and experienced people for successful and satisfying results



students practice grafting method use avocado tree plant

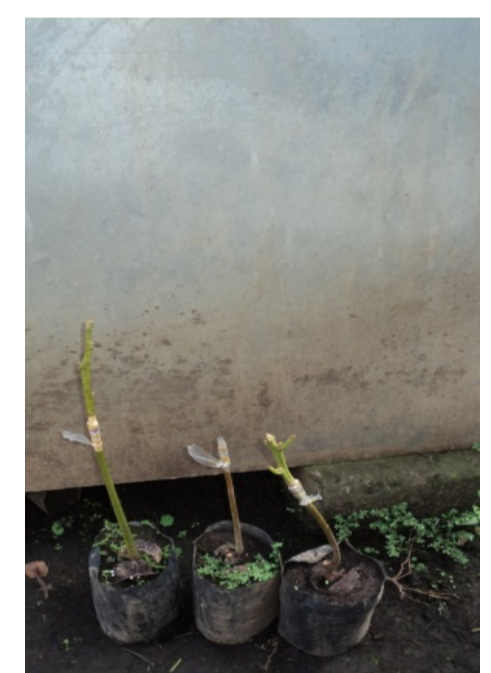
## Results:

### Layering :

In this method a branches of a plant is bent down and fixed on the ground and covered with soil. After sometimes the portion of the branch under the soil grows roots. If this branch is cut off from the main plant it develops into independent plant. Example: of a plant is lychee tree, hibiscus flower e.tc.



showing a lychee tree during propagation using air layering method.



## Conclusions:

The fruits propagation as it is the plant propagation is the process of increasing the number of fruits plants and its produce particular species. It can be done sexual or by Asexual means. The fruits propagation can be done using different methods like grafting, cutting, layering, budding, tissue culture, division and others.

There are lot of advantages/ importance when conducting the fruit propagation, among all includes to increase the yield of production in terms of quality and quantity , to reduce the maturity time for a plant to yield products/ fruits as most of them we are not use seeds to grow them directly.

Also the propagation can be used to produce a plant tree which is more tolerant and resistant to diseases pests and to drought conditions.

## References:

1.Tengeru institute of Agriculture i.e. Hot culture  
2.TIE (2005) BIOLOGY FOR SEC SCHOOLS BOOK 2