Selected Fruit Species Propagated by Inarching

Crop	Scientific Name
Alupag	Euphoria didyma
Anonas	Annona reticulata
Atemoya	Annona cherimoya x A. squamosa
Atis	Annona squamosa
Avocado	Persea americana
Balimbing	Averrhoa carambola
Bignay	Antidesma bunius
Caimito	Chrysophyllum cainito
Cashew	Anacardium occidentale
Duhat	Syzigium cumini
Durian	Durio zibethinus
Guava	Psidium guajava
Guayabano	Annona muricata
Jackfruit	Artocarpus heterophyllus
Lanzones	Lansium domesticum
Mango	Mangifera indica
Paho	Mangifera altissima
Pili	Canarium ovatum
Pumelo	Citrus grandis
Rambutan	Nephelium lappaceum
Tamarind	Tamarindus indica

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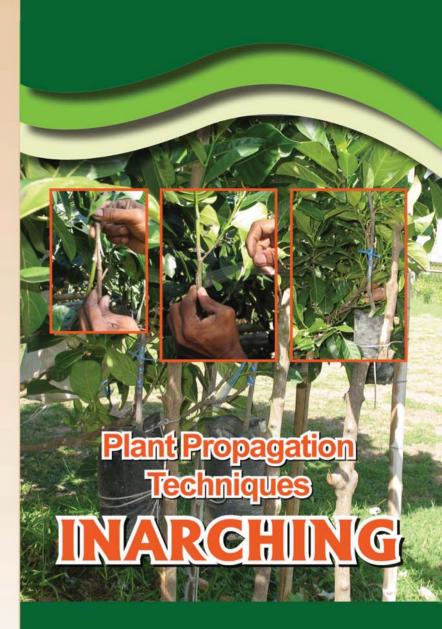
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Inarching is an asexual means of plant propagation.

- Also known as approach grafting
- Both scion and stock are made to unite while they are still attached to their roots
- Time to attain complete union is not critical since the mother plant can still provide water and nutrients

Advantages

- High success rate
- · Used for species that are difficult to graft

Disadvantage

 Inconvenient and laborious since the seedling must be placed in a support structure in order to reach the shoots to be inarched

Steps in Inarching

 Choose a vigorous seedling. This will serve as the rootstock.



 Make a slanting cut (about 2–3 cm) on one side of the desired branch of the mother tree. This will serve as the scion.



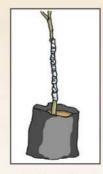
Make a similar cut on the rootstock.



Support the rootstock by tying it firmly on the branch or with the use
of bamboo pole. Connect the rootstock and the scion into the cut
portion and tie them together with a plastic sheet or plastic straw.



 Leave them connected until complete union is attained (if the bark of the scion and rootstock overlap).



 Remove the plastic sheet after about 2–3 months of complete union. Duration depend on species.



Cut the rootstock above and the scion below the graft after successful union.



Graft-inarching or Top working

- Used to change the top of established trees that have undesirable characteristics with superior varieties
- Established trees are used as stocks while scions which are asexually propagated and grown in individual containers are inarched
- Steps are basically similar to inarching, although the diameter of the stock is usually bigger than the scion to be inarched

Care of Plants

- Water the rootstock whenever necessary.
- Examine the union after 2–3 months. When the bark of scion and rootstock overlap, cut the rootstock above and the scion below the graft union. Sometimes it is necessary to cut them at different time intervals rather than all at once.
- If the binding material is already tight, remove it and tie both ends of the graft union to prevent it from breaking.
- Put the newly inarched plant under shade and water regularly.
- Remove all the lateral growth below the union.
- Transfer the inarched seedling in bigger plastic bag whenever necessary.