Citrus: Propagation

About propagation

Citrus can be propagated by seed, cuttings, grafting or budding (See Table).

Seed







Advantages

Most citrus has seed

Most citrus is

polyembryonic

Can plant seed any
time of year

Usually easy to do Can make cuttings most of the year Can provide size regulation and pest resistance Larger pieces of scion is easier to handle

Can provide size regulation and pest resistance Small amounts of scion needed Little expertise needed Know within 2 weeks if budding is successful

Disadvantages

Some varieties are seedless
Some varieties are monoembryonic
Seed can take months to germinate
Juvenile trees are very thorny
Long time to bearing

uses a lot of scion material many varieties susceptible to soil pathogens no size regulation of resulting tree uses a lot of scion material requires rootstock, supplies requires higher level of expertise can only be done at certain times of year

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Bud selection

age

From a healthy, fruiting tree cut bud stick from hardened growth of last flush or, cut bud stick from next to last flush round twigs are easier to bud than angular twigs budwood may be refrigerated for weeks to months if sanitized

Rootstock selection

compatible with scion gives size of tree desired suitable for soil conditions, insects, diseases pencil-thickness bark must be slipping

Bud grafting is most successful when the trees are actively growing and when the bark "slips" easily – e.g., in the spring when temperatures are warm (February-May). Grafting (scion to rootstock grafting) may be done any time but it is best to avoid low temperatures and frost.











1. Bark pocket

2. Cut bud

3. Insert and wrap bud 4. Bud at 4 weeks

Pictures:



