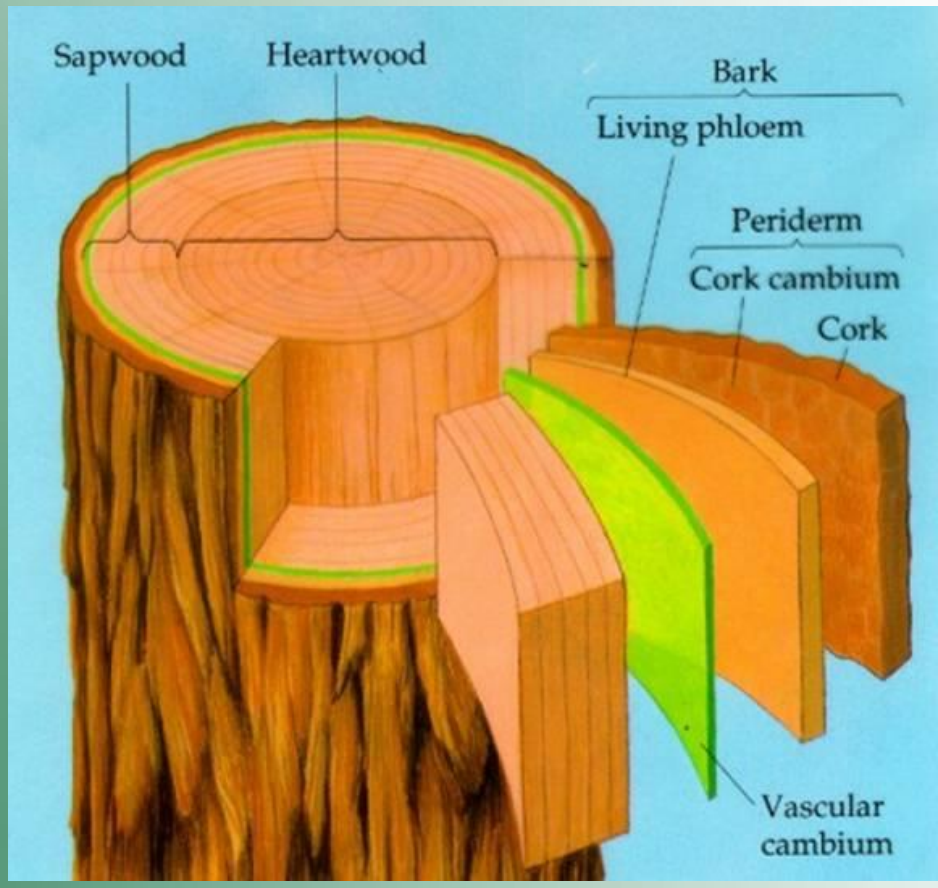
Grafting

- The art of joining two parts of a plant.

- Scion attached
- Rootstock or tree

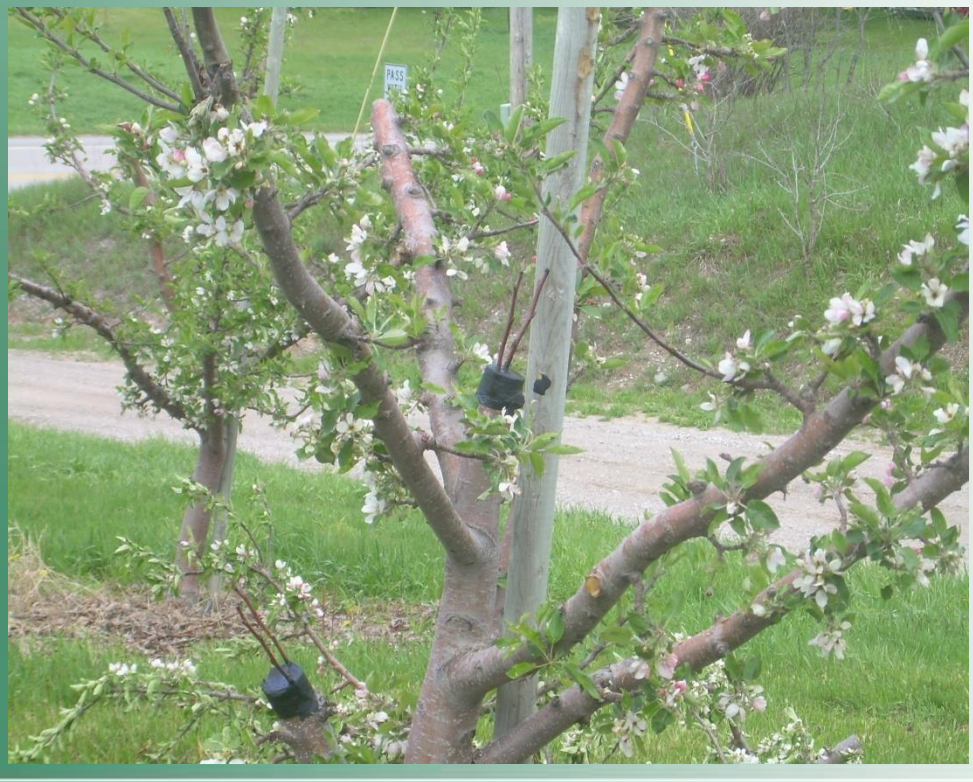
Cambium

- Success of the graft union depends on compatibility and cambial contact.



Scions

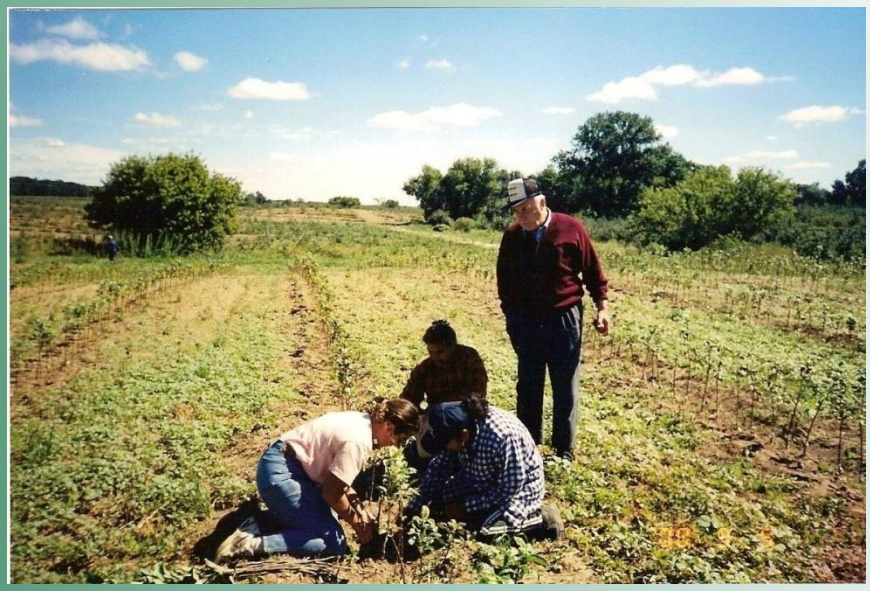
- Scions are grafted into the tree.



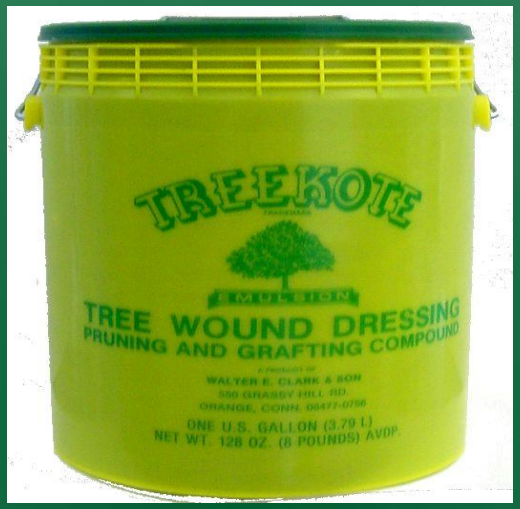
Collection and storage of scion wood

When to Graft

- Spring Top graft
- Summer Budding

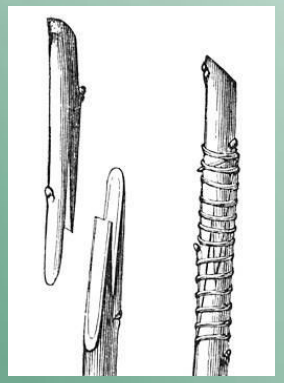


Tools for Grafting

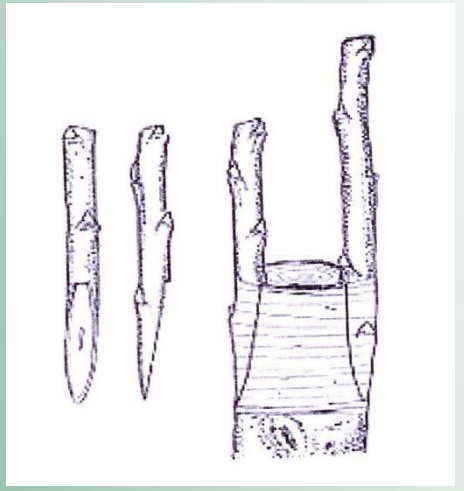


Types of Grafting

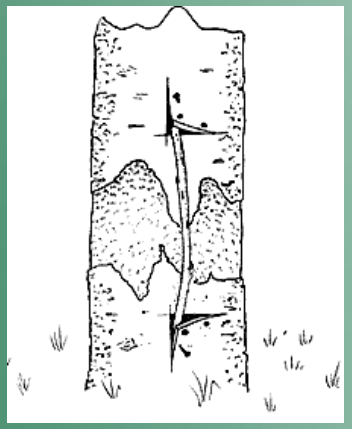
- Whip and tongue / Bench graft



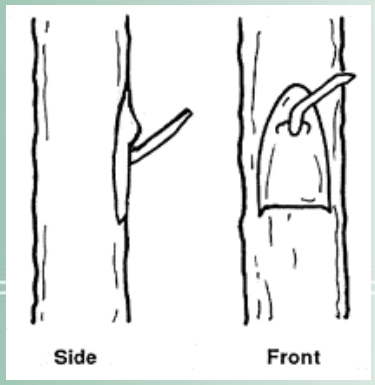
- Bark / Top graft



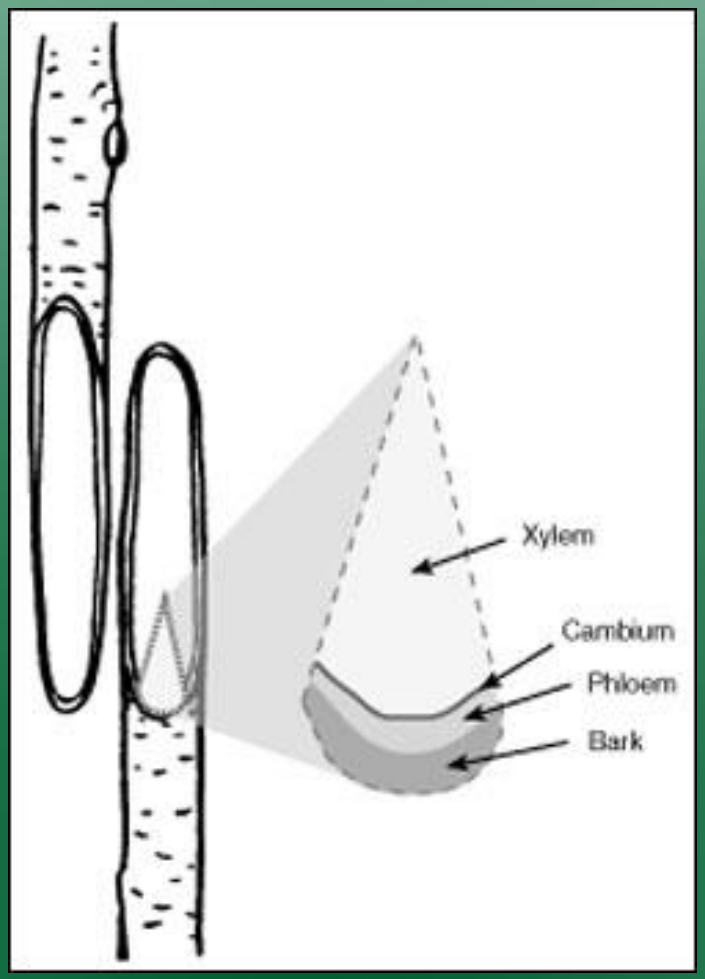
- Bridge graft

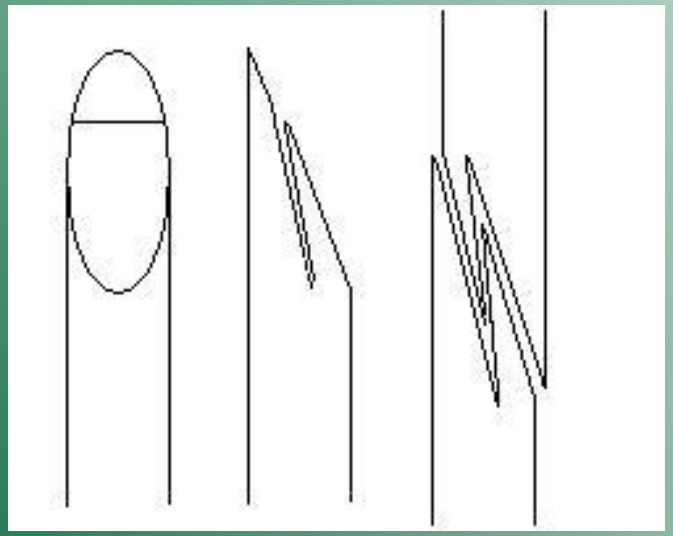


- Chip budding

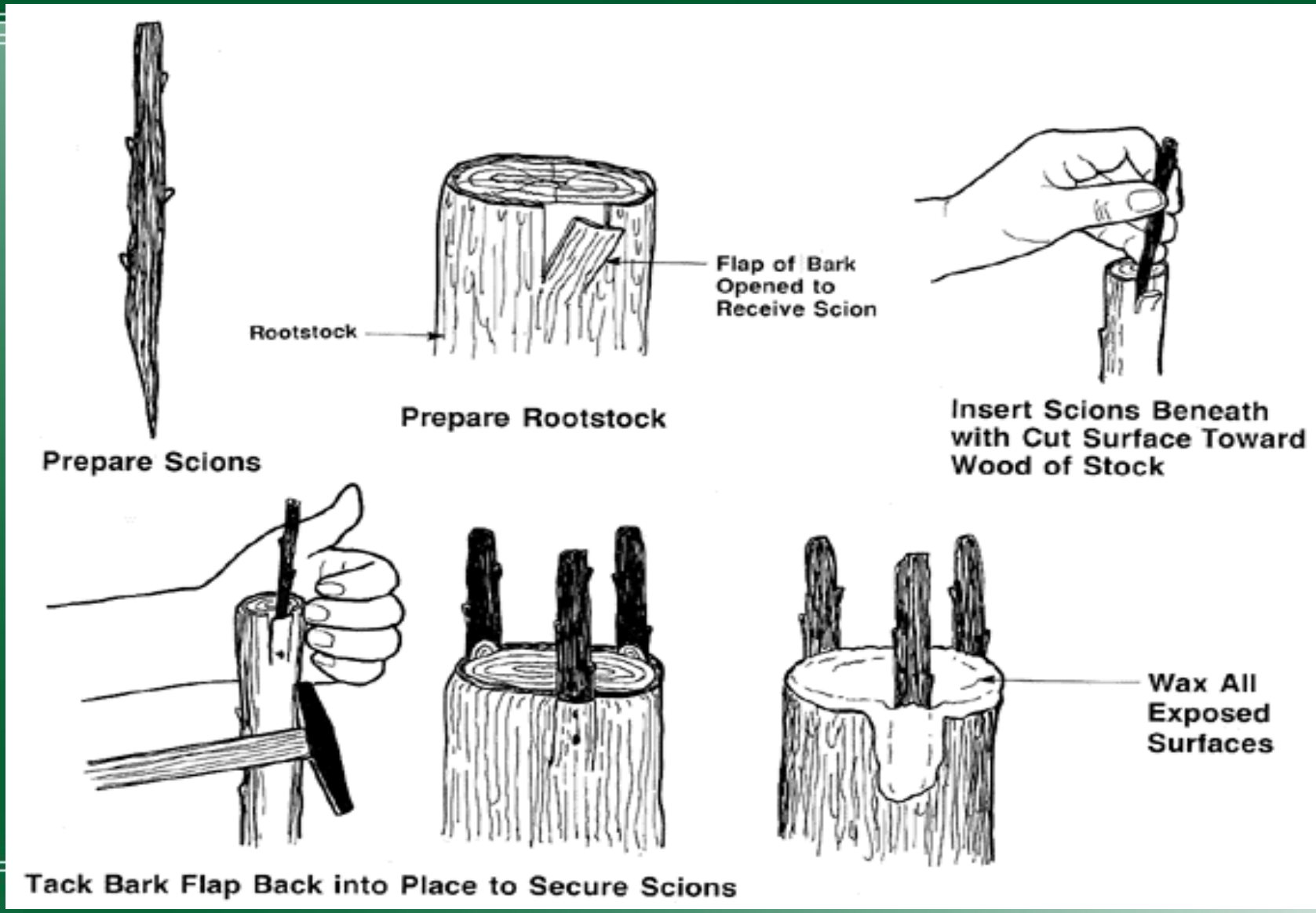


Whip and tongue





Bark / Top graft



Bark / Top graft cont.

Preparing scion wood

Bark / Top Graft cont.

Prepping trees

Bark / Top Graft cont.

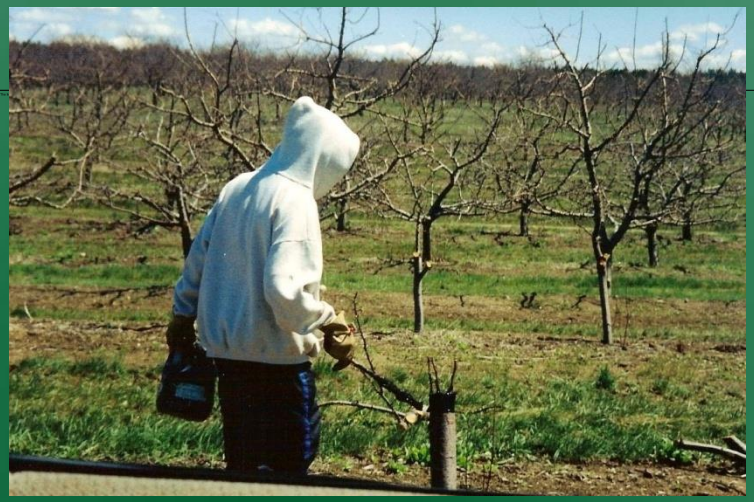
Setting the scion

Bark / Top Graft cont.

Taping

Bark / Top Graft cont.

Waxing



Bridge graft

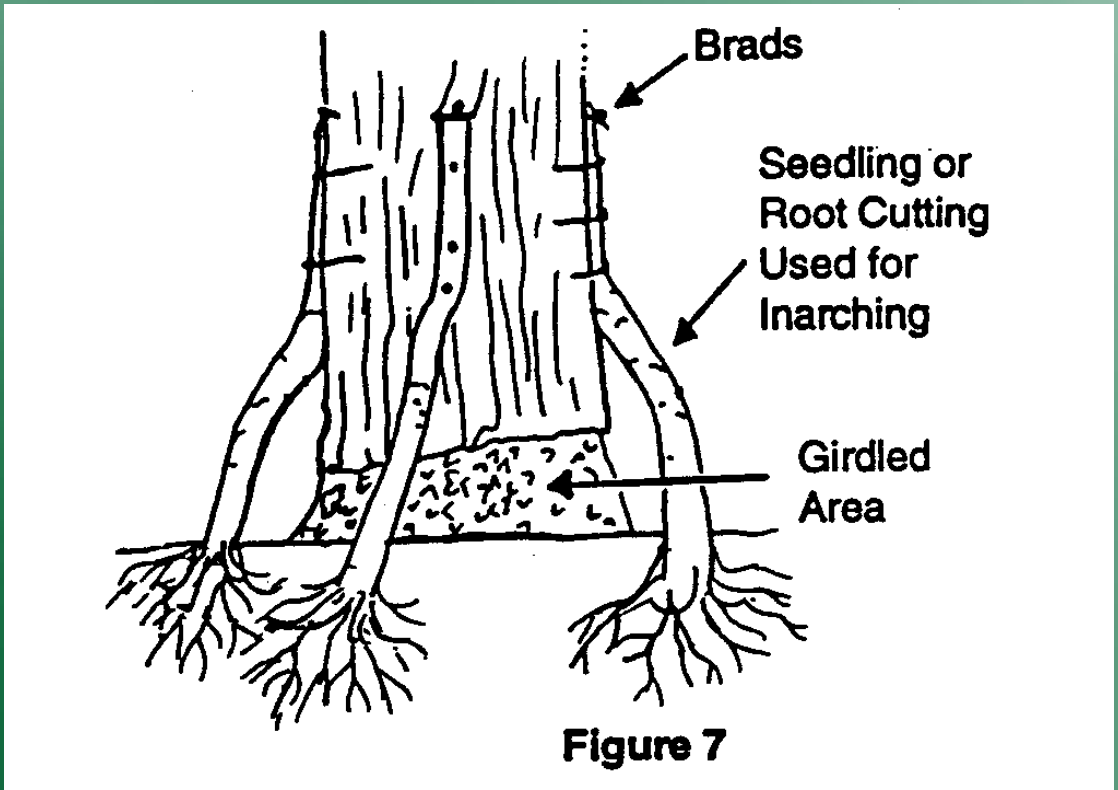
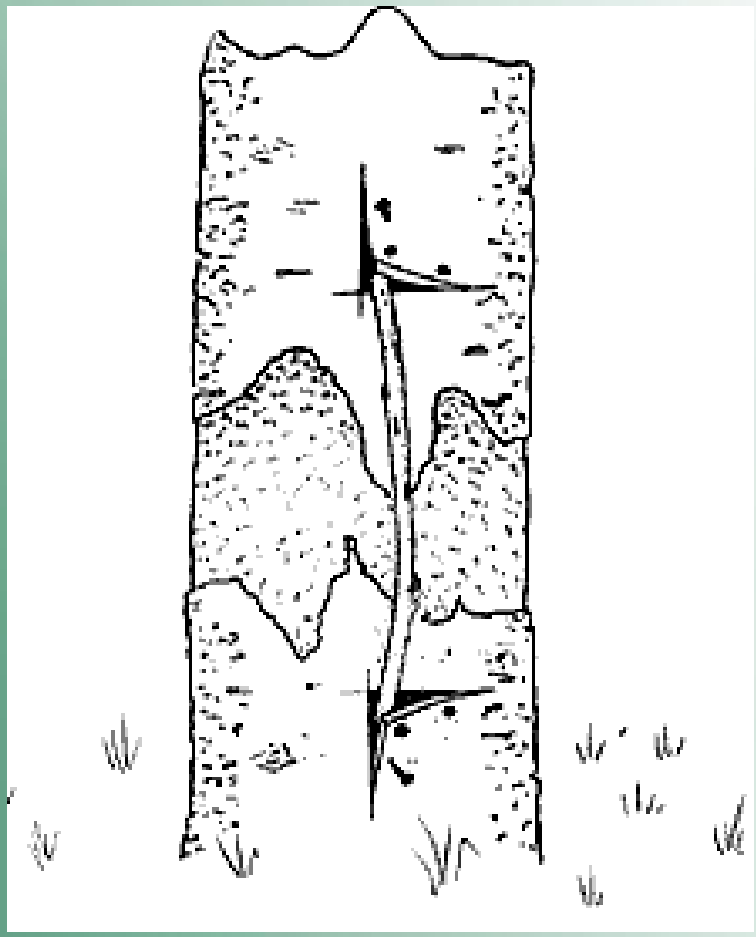
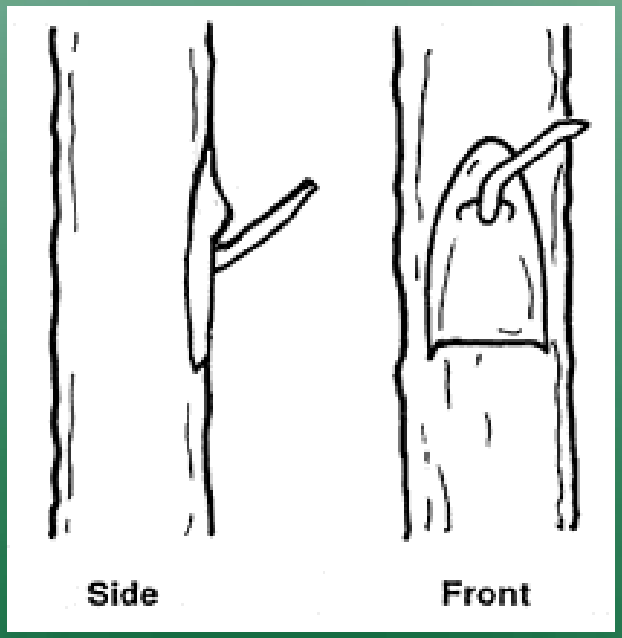


Figure 7



Chip budding



Inserted bud

Cambium

Reasons for failure

- Stock and scion were not compatible
- The cambiums were not meeting properly
- Scions were upside down
- Grafting was done at the wrong time
- Scions were dried out or injured by the cold
- Scions were not dormant
- The graft was not properly covered
- Understock or scion were not healthy
- The scion was was displaced by storms, birds, insects, or other means
- The graft was shaded
- Tape was not cut

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