

Basic Grafting Terms

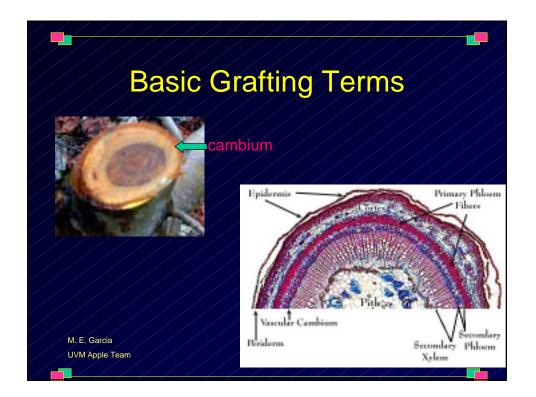
Cambium: A thin layer of living cells between the bark and the wood from which bark and wood tissues are formed.

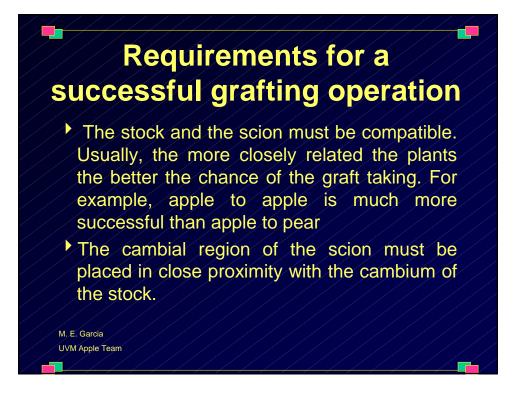
- It is the source of all girth growth in woody plants.
- As the cambium cells divide bark is produced to the outside and wood towards the inside.

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Basic Grafting Terms During the healing of wounds, such as those caused by grafting, the cambium produces callus cells which will join the scion and the stock. Eventually, these callus cells will differentiate, forming the vascular connections between the stock and scion. M. E. Garcia UVM Apple Team







Requirements for a successful grafting operation

- The grafting operation must be done when the stock and scion are in the proper physiological stages.
- The scion buds need to be dormant. The stock needs to be capable of producing callus tissue for the healing process to occur.
- For apples, dormant scion wood is collected during the winter and kept inactive by storing at low temperatures. The stock may be dormant or active depending on the grafting method used.
- Store with no other ethylene producing produce M. E. Garcia UVM Apple Team



Requirements for a successful grafting operation

- Care must be taken that shoots coming from the stock below the graft do not choke out the desired growth from the scion.
- It is recommended that the scion be supported to prevent breakage due to the wind or the weight of the fruit.
- The knife needs to be very sharp. A grafting knife needs to be razor-sharp to insure success. A utility knife can be used instead of a grafting knife. Advantages of a utility knife over a grafting knife include cost and no sharpening.

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