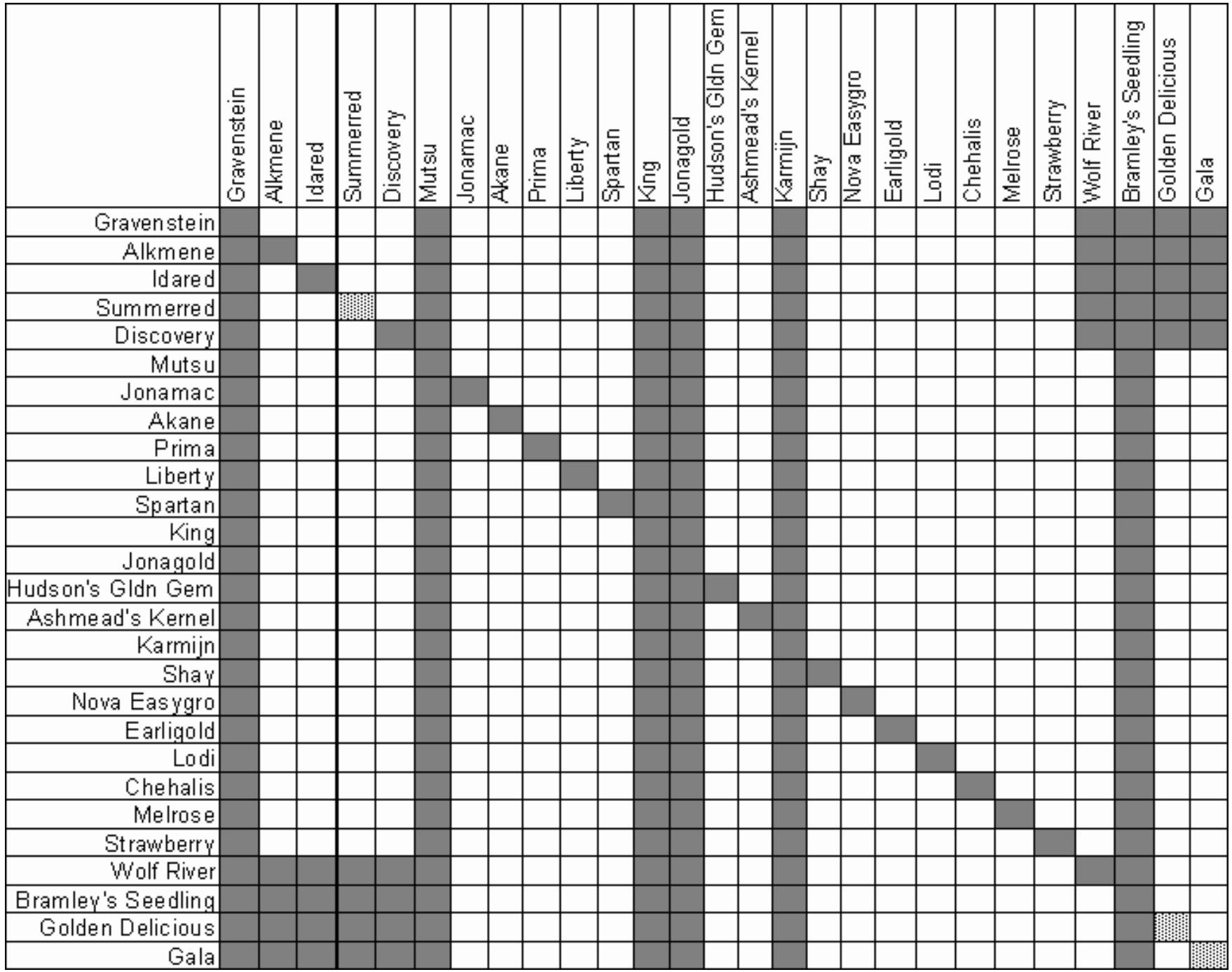

04/23/2006


Gravenstein
Alkmene
Idared
Summerred
Discovery
Mutsu
Jonamac
Akane
Prima
Liberty
Spartan
King
Jonagold
Hudson's Gldn Gem
Ashmead's Kernel
Karmijn
Shay
Nova Easygro
Earligold
Lodi
Chehalis
Melrose
Strawberry
Wolf River
Bramley's Seedling
Golden Delicious
Gala

GRAFTING COMPATIBILITIES OF COMMON DECIDUOUS FRUIT TREES

ROOTSTOCK	SCION								
	Almond	Apple	Apricot	Cherry	Peach & Nectarine	Pear	Plum (European and Japanese)*	Quince	Walnut, English
Almond	S	I	U	I	P[2]	I	P	I	I
Apple	I	S	I	I	I	U	I	U	I
Apricot	U	I	S	I	P[3]	I	P[5]	I	I
Cherry:									
Mazzard	I	I	I	S	I	I	I	I	I
Mahaleb or 'Stockton Morello'	I	I	I	P	I	I	I	I	I
Peach	S	I	P	I	S	I	P	I	I
Pear	I	U	I	I	I	S	I	U	I
Plum:									
Myrobalan	U	I	P	I	U	I	S	I	I
'Marianna 2624'	P[1]	U	S	I	U	I	S	I	I
Quince	I	U	I	I	I	P[4]	I	S	I
Walnut:									
Northern California Black or Paradox	I	I	I	I	I	I	I	I	S

S = Satisfactory for grafting.

U = Unsatisfactory for grafting, although grafts may grow for a time.

I = Incompatible combination for grafting; the grafts either do not grow or growth is quite weak and short lived.

P = Partly satisfactory for grafting. Most cultivars grow and fruit normally on this rootstock, although some cultivars and some trees do not make satisfactory or permanent graft unions.

P[1] Some almond cultivars, such as Nonpareil, do not make a satisfactory union with 'Marianna 2624', so an interstock of 'Havens 28' plum must be used to work such cultivars on this stock. Other cultivars, such as Ne Plus Ultra and Mission, make reasonably satisfactory unions with 'Marianna 2624'.

P[2] Peach trees are short-lived and become dwarfed on almond rootstock.

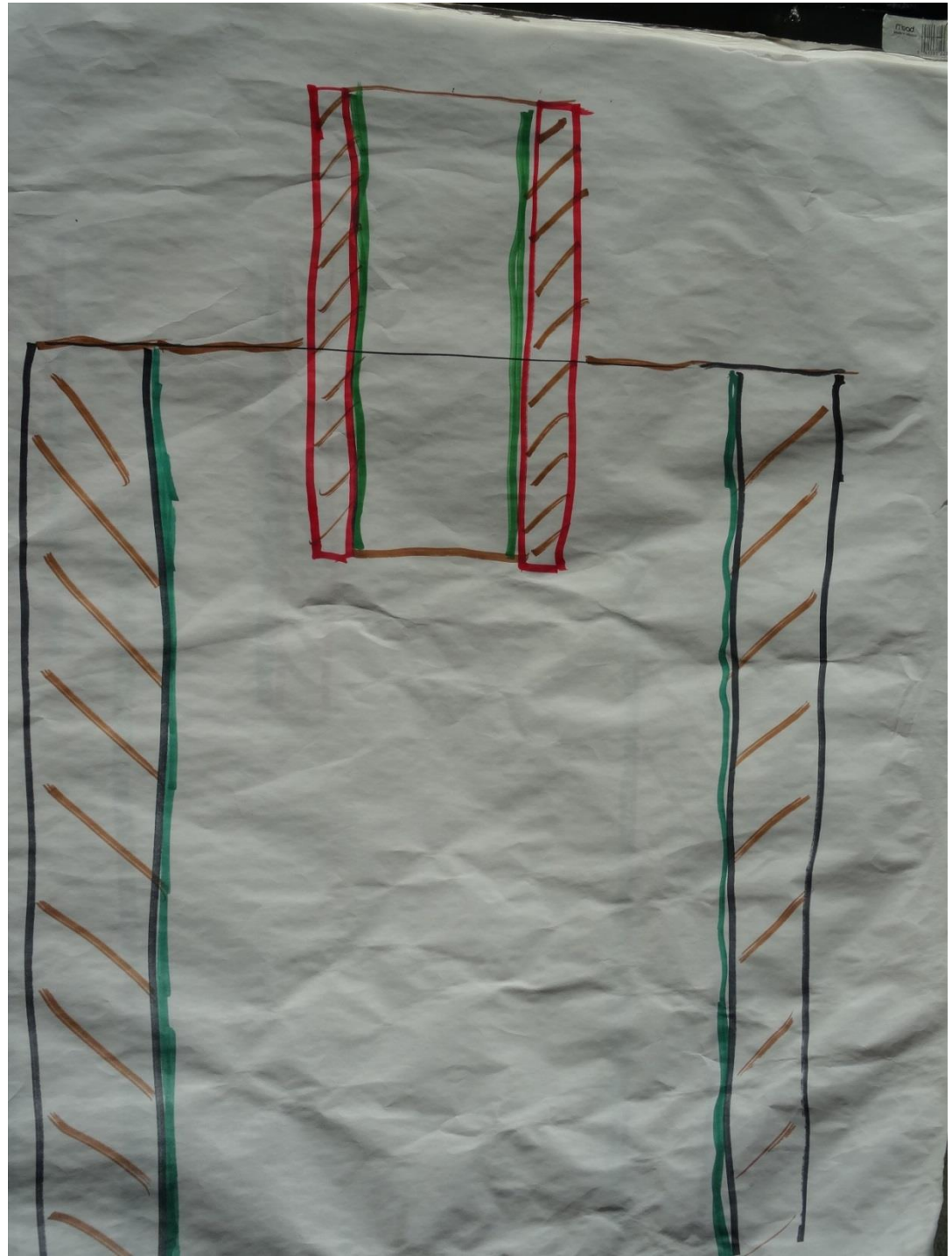
P[3] Many individual peach trees fail to grow well on apricot rootstock, but those that are successful make normal trees.

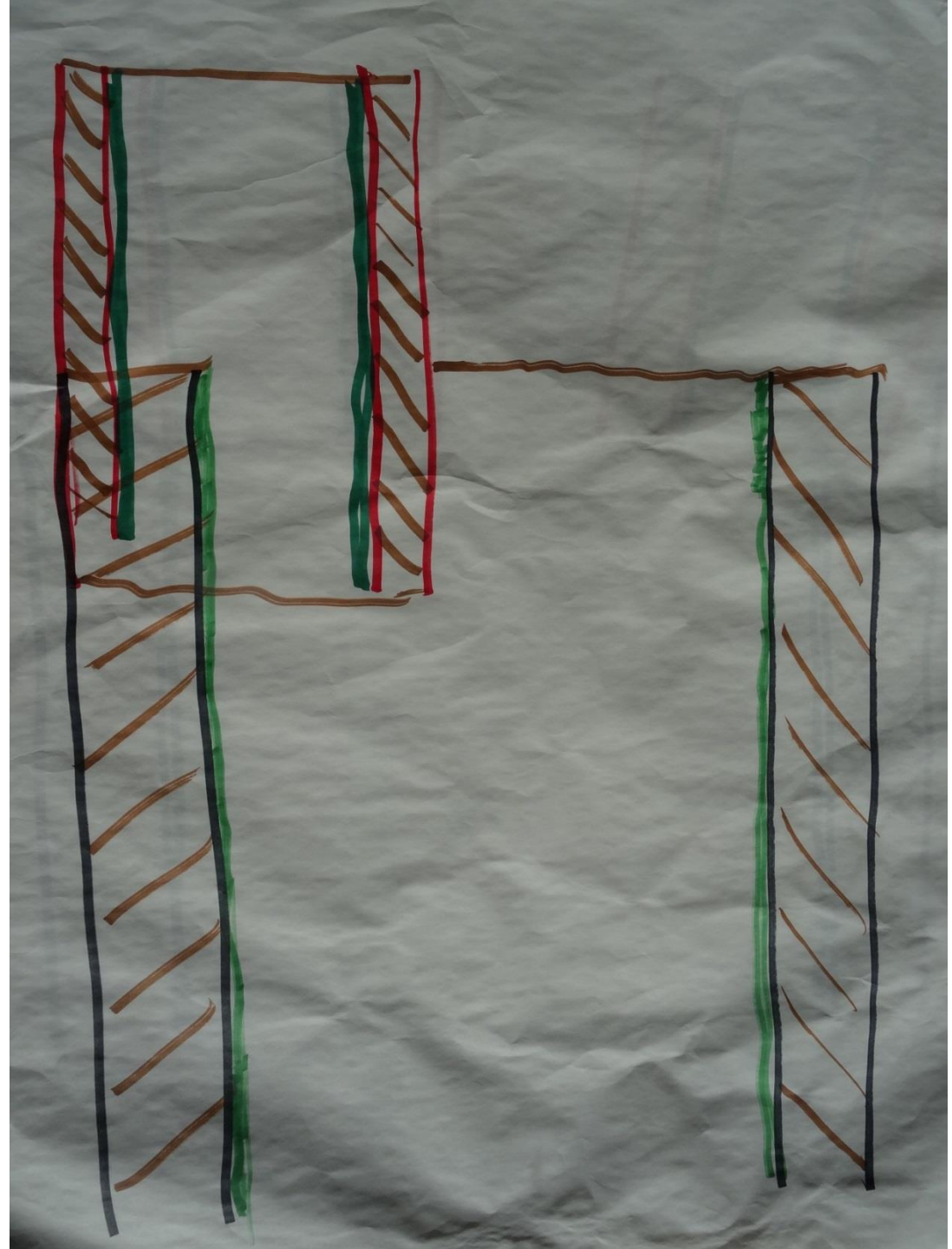
P[4] Some pear cultivars, such as Bartlett, do not make good unions with quince, although other cultivars, such as Old Home and Hardy, do. Therefore, such cultivars as Bartlett are double worked, using one of the compatible cultivars.

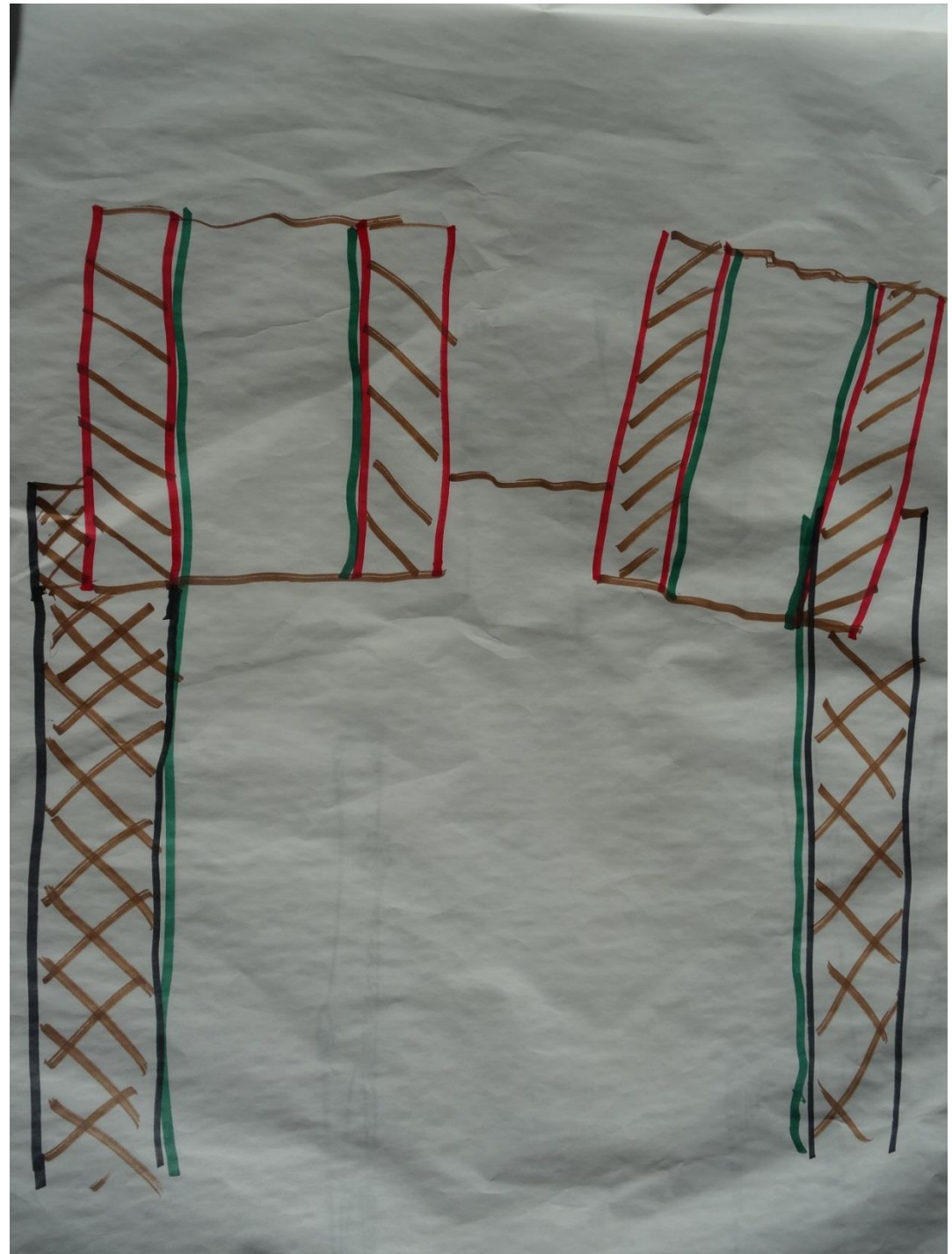
P[5] Some Japanese plum cultivars are compatible with some apricot seedlings. In contrast, most European plums are not compatible with apricot rootstocks.

* In general, many European and Japanese plums may be grafted on most European plums. Although many Japanese cultivars do well on other Japanese cultivars, European cultivars are not successful on Japanese stocks. Peaches, almonds, and apricots may sometimes be grafted on Japanese and European plums with reasonable success, but, as a rule, the grafts either fail to grow or do not grow satisfactorily.

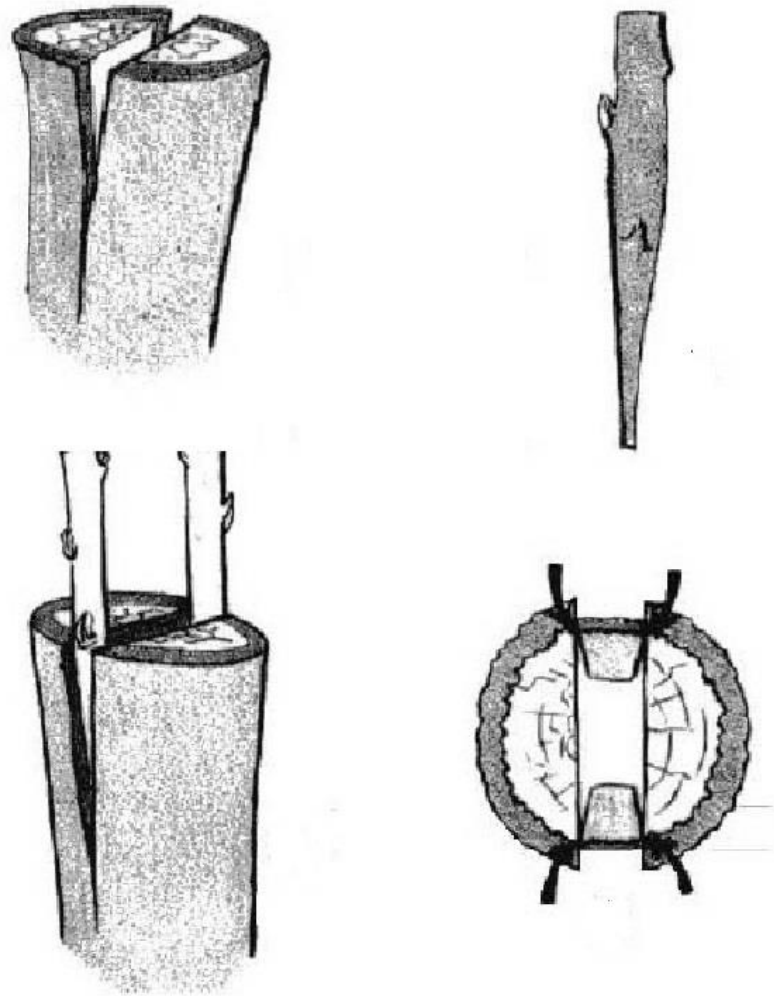
Reproduced with permission from the Division of Agricultural Sciences, University of California Leaflet 21103 entitled "Propagation of Temperate-Zone Fruit Plants."



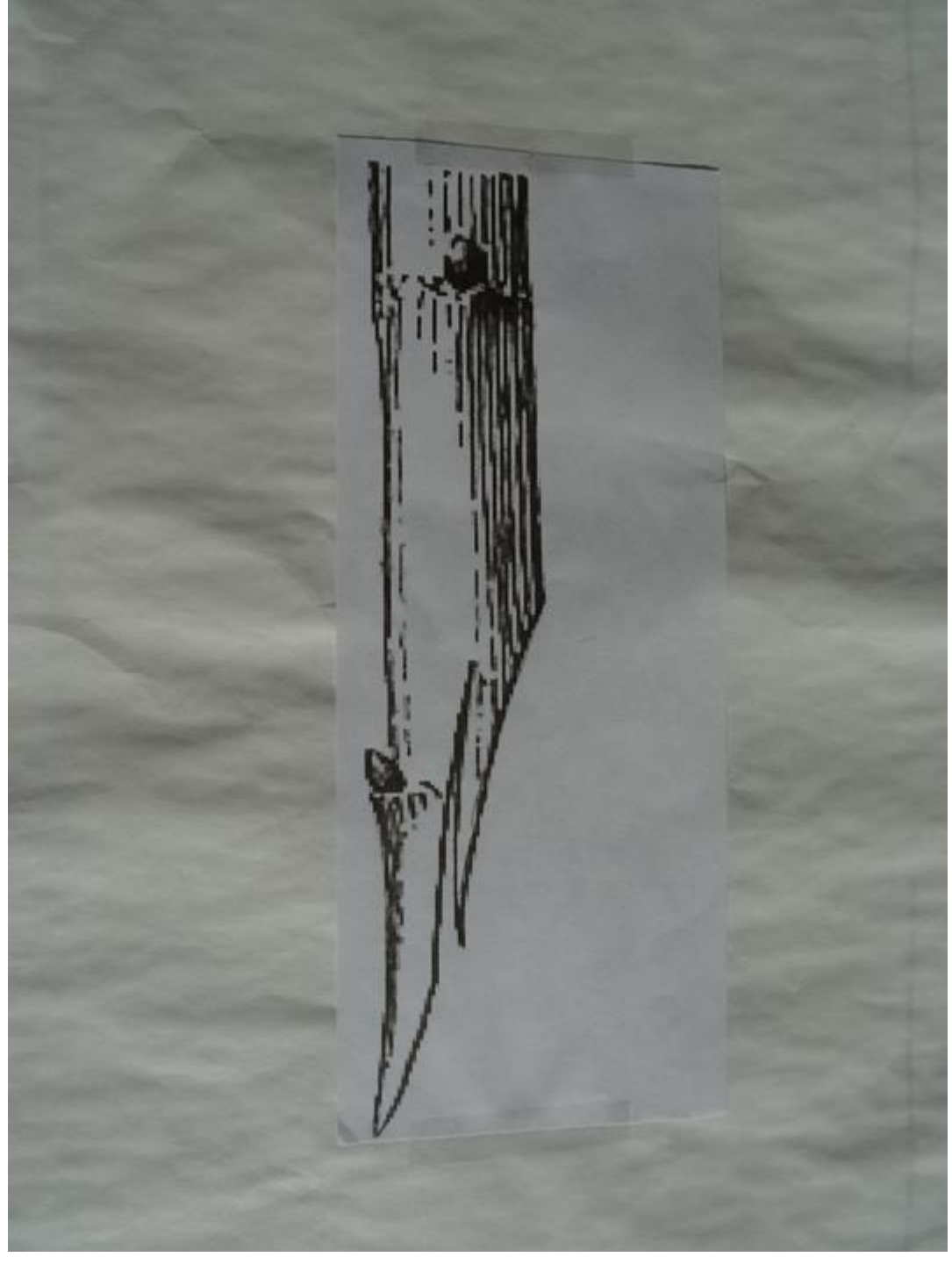




Cleft graft diagram




04/23/2006



Whip graft diagram


04/23/2006

Chip bud diagram

T Bud diagram