

VIRUS ELIMINATION AND TESTINGHeat Treatment

- Spring. Bench graft scion onto seedling rootstock. Grow on strongly in Dutch-light house.
- Following spring, bring trees into heated glasshouse to bring into growth for 2 weeks.
- Put into hot-box at 25° C
- Raise by 3° C every other day to 37° C and hold for 28 – 32 days

NB Watch for heat sensitivity during April – May. Use Vapona strip for red spider.

Tip Grafting

- Grow seedling rootstocks in pots
- Cut down to 6 – 10cm and cut a small slit into top
- Excise approx. 2cm of heat treated scion tip
- Insert tip into slit in top of stem
- Seal graft with ‘Stericrepe’
- Cover with plastic bag supported with small cane
- Grow under shade cover in glasshouse for 2 weeks.
- Wean out of shade and grow on in well ventilated Dutch-light

NB Grafts should put on 60 – 90 cm during the summer months.

Virus Testing

- For each variety, bud 3 mother trees with heat treated material
- Double bud 3 seedling stocks for each of the required indicators
- High worked, test bud beneath indicator bud.

Indicators

NB Check double budded trees yearly for symptoms.

APPLES	SYMPTOMS	TEST PERIOD
<i>Malus platycarpa</i>	Scaly bark	2 yrs
Virginia Crab	Stem pitting [also possibly decline]	2 yrs
Russian Seedling	Chlorotic leaf spot; leaf resetting [very sensitive]	2 yrs
Spy 272	Epinasty [leaf curl] & decline; chlorotic leaf spot [rings]	1yr [July-Aug]
Lord Lamborne	Apple mosaic; rubbery wood	2 yrs
M9	Chat fruit	4 – 5 yrs
PEARS		
<i>Pyronia</i>	Sooty ring spot [SRS]; epinasty; chlorotic leaf spot [CLS]	
LA62	Pear blister canker; red mottle; vein yellows	
Jules d’Airolles	Vein yellows	