

## Propagation Notes.

Good propagation starts with good plant material: good health, good nutrition, slightly hardened and overall good condition.

Most hardwood cuttings will root quickly in autumn, 4-6 weeks.

Relative humidity in hills is good. Select a light but shaded area with enough humidity to hold leaf up.

### Aids to propagations:

heated bed, intermittent mist to hold leaf up.

Mini glasshouse, upturned pet bottle on top of a pot.

rooting hormone

Tools, keep sharp and clean. Clean secateurs clean between plants. Dip in meths, dry, flame off then wipe off soot.

Propagation Mix is the key. Must be well drained but able to hold moisture and hold together. No fertiliser.

Propagating Gel: Clonex

Seedling fertiliser: MacroCote /organic option

### Three main types of cuttings.

hardwood - look for current seasons growth,

semi hardwood

softwood

### Techniques

Cut 45 degrees beneath a node, seems to promote more rapid healing

Slice off any buds that will be below soil level.

Once roots grow transplant to a single tube and add fertiliser early spring.

Hardwood cutting. Dip in hormone, allow to dry then plant about a third of the cutting.

Semi hardwood.

cut back leaves

if material is hard indicates a good level of stored carbohydrate makes a good cutting.

Difficult to propagate?

expose Cambrian layer, slice off layer or score down the side, use hormone powder or gel.

Macadamia, takes longer to strike, 8-10 weeks with heated base. Use current seasons grown.

Take slightly longer cutting. Score. Keep tip intact and reduce leaves to half.

Hydrangea, can be propagated internodally in community pots. Cut large stems on a slant do that water can't accumulate on the stems or buds.

Daphne, brittle roots, take care. Winter cutting.

Camellia/magnolia, take good material, late winter/ spring as it hardens. Keep up mist/ tent. Leave 3 leaves on but reduce each by half.

Plants that can be tried internodally, salvia, pelargoniums, hebe, hydrangea, climbers.

## **Plant propagation Mix**

80% Coir (from a compressed brick) - this is as a replacement for peat moss.

20% Perlite

Can use vermiculite on top to stop drying out.

You may have to play around with the percentages if it is too wet or dry. Possibly go as high as 50/50.

Jiffy pots can be a good option if it is known that the seed is good quality

Soil temperature 15-18 degrees.

## **Suggestions of what to propagate in Autumn.**

Hardwood cuttings: deciduous trees and shrubs eg cornus, maples, pears, prunus, figs,

Magnolia (evergreen easier than deciduous) weigela, willow

Hydrangea

Salvia

Rhododendron

Escallonia

Flowering Quince

Cotinus,

Begonia

Deciduous Vines

Berberis

Cistus

Box

Holly

Choisiya

Viburnum

Pelargonium

Raspberries

Corpsman

Nepeta

Lavender

Fuchsia

Roses

Gooseberries

Currants

Deutzia

Correa

Grevillea?

Lemon Verbena

Hebe

Abutilon

Thankyou to John Batchelor, Valley Horticultural Heathfield and Matt Coulter Mt Lofty Botanic Gardens for the above suggestions.