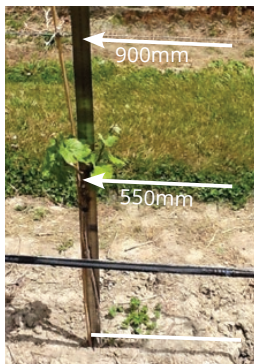


# HI-STEM® Ultra

## Planting and Care Instructions

HI-STEM® vines are designed to provide you with healthy grapevines that are cost effective in the vineyard. However, there are some unique characteristics that make the care of your HI-STEM® vine different from the traditional sized vine to which you are accustomed.

- 1 HI-STEM® vines are grafted onto a longer than normal section of rootstock and designed to be high enough to eliminate the need for any bud-rubbing. Weed control is also made easier, as no spot spraying is required over and above a general broad acre weed spray.
- 2 For a 900mm fruiting wire we have found that the graft union of the vine should be 550mm above the ground. Too high and the head of your mature vine will be too high at pruning time, too low and you lose the benefit of weed spray clearance (photo).
- 3 A bamboo stake and an anchor band located at 300mm from the ground is all you need to support the vine and to stop it blowing around in the wind.
- 4 Vine guards are not required as your weed spray will only be in contact with the woody part of the vine.
- 5 During the first season use best practice viticulture. Avoid over-cropping in the early years. Seek professional advice if you have questions.
- 6 HI-STEM® vines require extra watering to avoid drying out during the first season of growth. This is linked to the extra trunk surface area, and explains why we dip them in wax before dispatch. We also recommend a good long soak immediately after planting.
- 7 Avoid bent trunks by keeping your wires tight and installing a bamboo/training stake. Do not remove the bamboo/training stake until 2-3 years after planting.
- 8 During the first growing season, limit the new growth to one shoot until reaching the wire, then seek independent advice about best training practice for young vines on your particular site.



# Ormond

## Nurseries Ltd

MARLBOROUGH

Grapevine Propagation Specialists



## Ultra Vine Planting Guide

Ultra vines must be planted as soon as you receive them to avoid:

**BUD BURST:** The soil mix in the pot heats up faster and the buds will burst up to a month earlier than bare root vines planted in the vineyard.

**SOIL DRYING OUT:** Even during dormancy the soil mix can dry out quickly. Without a moist environment, the vine's roots will dry out and this may result in the plant dying.

Ormond  
Nurseries Ltd  
MARLBOROUGH

Office: 03 5776354  
148 Rowley Crescent,  
Grovetown, Blenheim 7202  
office@ormondnurseries.co.nz

[www.ormondnurseries.co.nz](http://www.ormondnurseries.co.nz)

Office: 03 5776354

# Ultra Vine Planting

## 1 PLANTING SITE READY

Ensure your site for planting is 100% prepared and you are able to irrigate vines as soon as they are planted.

## 2 PLANTS ARRIVE

Check paperwork and reconcile your order to make sure it is all there and free from transport damage.

*Call immediately if there is a problem.*

## 3 WATER POTS

Water your pots with a hose until you see water dripping out the bottoms. Continue to monitor the moisture of the soil mix daily until planted. The soil mix must be damp all the way down to the bottom.

## 4 TRANSPORT

Transport your vines (still in their pots) to your planting location.

## 5 DIG HOLES

Immediately prior to planting, dig a nice large hole and check the width and depth is correct by placing the vine still in its pot into the freshly dug hole. The pot should easily fit into the hole. When sitting in the hole the top of the plastic pot should be about 50mm below the soil level.

## 6 INSPECT ROOT SYSTEM

Pull the vine out of the pot and invert to inspect the root system.

## 7 PLACE VINE INTO THE HOLE

Place your vine into the hole and back fill with soil.

## 8 WATER VINE IN

It's almost impossible to over water your vine when you first dig it in. Simply turning on the irrigation is not enough. The watering-in process helps to settle the soil around the root mass and super saturates the soil around it.



## 9 CHECK DRIPPER

Ensure you have a dripper close to your vine within 100-150mm. If not, install another dripper or use a drip-line funnel. Ormond Nurseries Ltd sell drip-line funnels, please get in touch with the office.

## 10 MONITOR

Continue to carefully monitor soil moisture after planting and even before bud burst to ensure the root mass does not dry out. Be careful not to overwater.



**Ormond Nurseries Ltd does not recommend the use of any dip, mulch/compost or fertiliser that may come in direct contact with the plant's root system.**

Do not place fertiliser or mulch/compost or any other additives in the hole with the vine's roots at planting.

There should be no additives other than soil and water. Some growers have experienced problems by using dips and fertilisers in the hole with the vine's roots at planting, resulting in vine death or severe stunting in the first year of growth. Any foreign element that is in direct contact with the young vine's roots has the potential to kill or severely impair the growth of young vines.

**Seek independent advice regarding fertiliser application.**



*Following planting, please return all pots and trays to the nursery, as we recycle these.*