

What if you could pick grapes 1 year earlier?

After just one growing season vines in Plantra Grow Tubes typically have:

- Fully trained cordons
- Thicker, more mature stems
- Uniform growth rate throughout the vineyard
- 70% more stem dry weight
- 70% more root dry weight
- Balanced root-to-shoot ratio to sustain early & large crops



Field of first leaf vines!

Plantra Grow Tubes fuel faster, healthier growth 3 ways:

- 1) By dramatically reducing the moisture and light stress that hinders early vine growth
- 2) By allowing full leaf expansion for photosynthesis, thanks to Jump Start's large 3.5" diameter
- 3) By filtering sunlight to provide the optimal ratio of red, far red and blue light, Plantra Grow Tubes stimulate the ideal combination of primary growth (shoot elongation) and secondary growth (stem diameter and root development)

The Result: Almost all growers who use Plantra Grow Tubes...

- Pick their first commercial crop 1 year earlier
- Ramp up to full yield levels 2 to 3 years faster

For a detailed explanation of how Plantra Grow Tubes fuel growth, please visit www.plantra.com

Plus, Plantra Grow Tubes save money 4 ways – in fact, they pay for themselves in just one season!

While Plantra Grow Tubes are busy accelerating vine growth, they are also reducing all of your vine establishment costs! The savings from using Plantra Grow Tubes once far and away exceed the cost. On top of that, Plantra Grow Tubes are durable enough to re-use several times – so the savings are multiplied!

(1) One-Trip Vine Training

Plantra Grow Tubes automatically guide vines up to the cordon wire. And with Plantra Grow Tubes the growth rate is consistent throughout the vineyard, saving multiple trips to train vines up to the cordon wire.

(2) Vine-Safe Weed Control

Conventional growers: Plantra Grow Tubes completely shield young vines from Round Up®, making fast and effective weed control possible.

Organic growers: Plantra Grow Tubes protect tender vines from many types of mechanical in-row cultivators.

(3) Protection from Animals

Plantra Grow Tubes shield tender vines from animal predation, especially rabbits and deer, until they are safely trained on the cordon wire.

(4) Virtually Eliminate Costly Re-plants

Replacement vines – planted to replace vines that didn't survive – are the most costly vines in the vineyard. They require multiple extra trips through the vineyard to provide special care. By reducing vine stress, Plantra Grow Tubes increase survival rates and dramatically reduce the need for re-plants.

Put your vines on the fast track to harvest.



FAQ*

Q. What are the benefits of using grow tubes?

A. Plantra Grow Tubes offer several time and money saving benefits:

- 1) Faster establishment of balanced, healthy vines
- 2) First commercial crop typically harvested 1 year sooner, with a faster ramp up to full yield levels
- 3) Fast & effective weed control
- 4) Reduced vine training costs – Plantra Grow Tubes channel growth up to the cordon wire, and vines grow at a very consistent, uniform rate
- 5) Protection from animal predation
- 6) Increased vine survival (reduced need for replants)

Q. What are the features I should look for in a grow tube?

A. Plantra Grow Tubes offer:

- 1) **Circular shape** to optimally diffuse light and minimize heat absorption
- 2) **3.5" diameter** for full leaf expansion, thick stems & a balanced root-to-shoot ratio
- 3) **Side opening**, so the tube can be easily removed after the vine is trained to the cordon wire
- 4) **Exclusive and proven “Peach” color** – made from the right combination of pigments – for the right combination of shoot elongation, stem thickness and root development

Q. Why Plantra Grow Tubes?

A. Every detail of Plantra Grow Tubes is designed to optimize field performance while saving costs

- Extra large tabs for fast & easy attachment to bamboo, pencil rod or trellis posts of any type or size
- State of the art pigment formulation for optimal growth
- Durable, compact packaging reduces handling costs and minimizes field trips

* For a complete FAQ please visit us at www.plantra.com

© 2008 Plantra, Inc.



Maximize Plant Performance

www.Plantra.com

Experience You Can Trust

The Plantra Grow Tube design team of Joe Lais, Chris Siems, and Steve Tillmann have more than 40 years combined experience in grow tube design, production and use.

Let our experience get your vineyard off to a healthy and profitable start!