

STEMEX[®]

Targeted vitality.

A unique range of stem injected products



Omnia Primaxa's research and development initiatives are based on creating economic and environmental value for the Avocado grower.

The **STEMEX[®]** range was developed by Dr. Adrian Spiers, who heads the company's research and development programmes, embracing the principles of quality, sustainability, environmental acceptance, economic benefit and operator safety.

STEMSHOT[™] AV-1 and AV-2 "Changing *Phytophthora* management"

- average application time 5 minutes
- 10% of NZ trees treated
- contractor service available

"Feedback from our **STEMEX[®]** contractors and growers is confirming what we always seen from our own trials. **STEMEX[®]** saves time when compared to the traditional syringe method of application and time is money. Typically a *Phytophthora* treatment on an orchard using traditional methods that can take up to three weeks now takes three days."

Stemex Economics Per Avocado Tree 2008					
	Yield kg/ha	Income/ha	Income/tree	Phytophthora yield loss	loss/tree per annum
Hass	8,000	\$14,327	\$143.27	40%	\$57.31
Income per tray		\$9.85			
Stem-Shot AV-1 Application Costs per Tree/annum					\$13.50
Including Contractor Costs (6m canopy tree)					
Returns per Dollar Spent treating existing Trees once/year					\$4.25
Return per Dollar Spent- replacing Trees					
If you replace a tree it takes 6 years to resume full yield					
Estimated lost income/tree					\$859.64
Cost of Treatments					\$81.00
Return per \$ spent					\$10.61

*Figures GST exclusive

Do the treatments work as well as traditional methods?

STEMSHOT[™] AV-1 may even be better, as the right amount of product goes into the tree first time every time. The exciting prospect for us and the industry, however, is the feedback we are getting on the results of **STEMSHOT[™] AV-2**. It has always been our aim to try and reduce phosphorous acid applications which the industry knows can create tree "stalling" and the accumulation of phosphite residues (HPO⁺⁺).



Stemex™ system AV-1 and AV-2 Feedback

Ron Greenwood has an orchard in Katikati with 20-year-old trees that are cropping heavily.

"We had trees starting to show leaf loss and the canopy opening up. After injecting **Stemex™ AV-1** the trees have put on more leaf, coloured back up and the canopy closed in. The **Stemex™** system is good because it's quick and easy, it's easy to see the benefits over syringes. It can be a pain drilling up to 20 holes in a single tree for syringe applications. I like the instant distribution of product throughout the tree as well. Nutrition and regular irrigation are very important parts of a successful growing regime and now I see **Stemex™** as part of that same successful growing system.



Kevin Dobbs, has an avocado orchard in Katikati with 600 trees on 9 hectares.

"I started injecting with **AV-1** and **AV-2** about 6 months ago and injecting alternate rows with **AV-1** and **AV-2** leaving some trees with no treatments as a control. The system is quick and easy to use. A short day is 100 trees for me so, I won't be buying any more syringes. There is a lot of unnecessary labour required in syringes. I like the one visit approach with the **Stemex™** system. I also like knowing the job is done when I leave the tree where using syringes always had me doubting its effectiveness. The system of delivery is really brilliant. I feel that the **Stemex™** approach is also less intrusive to the tree than syringes. My gut feel is **AV-2** has the potential or merit to provide that X factor for a good crop."

Mike Darling, Avoworks.

Mike is an approved **Primaxa Stemex™** contractor and has injected over 8500 trees from Katikati to Gisborne.

"The **Stemex™** system is the best equipment we have used for injecting in the past 8 years. As far as I'm concerned injecting with syringes is a thing of the past. **Stemex™** is the best way of effective distribution of phosphorous acid throughout the whole tree."



Omnia Primaxa Approved STEMEX® Contractor
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STEM SHOT AV-1 application rates and costs

Canopy Diameter (m)	4	8	12
Skeletal rate mls	40	80	120
Normal Rate mls	20	40	60
Skeletal Charge	\$9.00	\$13.31	\$17.75
Normal Charge	\$8.78	\$12.86	\$17.07

STEM SHOT AV-2 application rates and costs

Canopy Diameter (m)	4	8	12
Skeletal rate mls	80	160	240
Normal Rate mls	80	160	240
Skeletal Charge	\$9.80	\$14.90	\$20.14
Normal Charge	\$9.44	\$14.18	\$19.06

(Prices include GST and all product, application and traveling costs)

Distribution

Omnia Primaxa and Fruitted Supplies have recently signed a supply agreement whereby the **STEMEX®** products will be available exclusively through the Fruitted Supplies network. Distribution of the **STEMEX®** products will be done by Fruitted Supplies nationally. For further assistance with tree identification and to book Stem-Shot AV-1 and AV-2 treatments, contact your local Fruitted Rep or branch office.

Contacts:



Fruitted Supplies

Distributed by Fruitted Supplies 0800 161646 www.fruitted.co.nz

Stem-Shot AV-1 is registered pursuant to the ACVM act 1997 Reg. No. P7434