

STEMEX[®]

Targeted vitality.

Stem-Shot KF-1



A Unique Solution for Armillaria

Omnia Primaxa introduce Stemex technology, developed in New Zealand for local conditions. This pioneering work done by Dr Adrian Spiers allows growers to manage this crippling disease. Applications to the stem are both efficient and user friendly to the environment. The product Stem-Shot KF-1 is injected into the stem to optimize efficacy.

Stemex Stem-Shot KF-1 Economics Per Vine 2008				
	Income/ha	Income/vine	Armillaria yield loss	loss/vine per annum
Green	\$23,740	\$59.35	40%	\$24
Gold	\$44,729	\$111.82	40%	\$45
<i>Source: Seeka Kiwifruit Industries, Zespri Kiwi Flier</i>				
Stem-Shot KF-1 Application Costs per Vine /annum				\$4.33
Including Contractor Costs				
Returns per Dollar Spent treating existing vines				
			Green	\$5.48
			Gold	\$10.33
Return per Dollar Spent- replacing Vines				
If you replace a vine it takes 4 years to resume full yield				
Estimated lost income/vine			Green	\$237.40
			Gold	\$447.29
Cost of Treatments				\$17.32
Return per \$ spent			Green	\$13.71
			Gold	\$25.83

*Figures GST exclusive

Statistics to date

- Product Launched 1st of June 2006
- Approximately 200 growers received Stem-Shot KF-1 Treatments
- Over 90,000 vines treated to date (as of Sept. '07)

The KF-1 treatments are highly cost effective. Many growers underestimate the cost of *Armillaria*. Affected vines have anything from 20% to total yield loss. A 40% yield loss can give a \$5.40 return for every dollar spent on Stem-Shot KF-1 treatment.

The costs calculated include the use of a contractor thereby allowing the grower to make best use of his time.



Armillaria Symptom Identification

- Identify and mark affected vines in the growing season.
- Vines with small fruit should be marked during the season for Post Harvest Treatment
- Sick Vines should not be girdled
- Heavily *Armillaria*- infected vines should also have their fruit stripped to help facilitate vine recovery.

KF1 Treatment Regime

- Treatment– Apply 100ml Stem-Shot KF-1 using the Stem-Gun™ per vine- applied from harvest to Sap flow in September.
- Application is registered by use of Stemgun only.
- To facilitate treatment, a small 10mm hole should be drilled into the stem in an area of healthy wood as close to the ground as possible.

Grower successes

Bruce Townsend

"These vines would have been dead without KF-1, I'm happy."

Stewart Law

"It's given us back the confidence to fight *Armillaria*, I am over the moon."

Kevin Whittaker , Te Puke

"It's better than sluicing and I'm not getting covered with dirt any more. It's early days but I am going to buy some more. I haven't lost any vines yet."

Distribution

Omnia Primaxa and Fruitfed Supplies have recently signed a supply agreement whereby the Stemex® products will be available exclusively through the Fruitfed Supplies network.

Distribution of the Stemex® products in the Bay of Plenty for instance will be done by Fruitfed Supplies Te Puke and Kati Kati stores, who will carry stocks of product.

For further assistance with vine identification and to book Stem-Shot KF-1 treatments, contact your local Fruitfed Rep or branch office.

Contacts



"Symptomatic *Armillaria* spp. Infected Vine in Mid Summer "



"Vine exhibiting typical moist wet lesions from *Armillaria* spp."



Kevin Whittaker, 5 hectare Green Kiwifruit Orchard, No.3 Road, Te Puke.



Fruitfed Supplies

Distributed by Fruitfed Supplies 0800 161646 www.fruitfed.co.nz

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