



SUNFAM PTY LTD



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TERMIGHTY



- Controls :**
- Termites
 - Ants
 - Spiders
 - Lawn Armyworm

\$44*/1L

MOTORISED BACKPACK SPRAYER

SOLO 12L Motorised Backpack Mist Blower



\$895.00*

Ideal for applying plant protection chemicals or for mosquito, pest and parasite control in storage areas and containers. Creates a fine mist which applies chemicals over larger areas more efficiently than manual sprayers.

CHEMICAL MIXER

ARAG 30L CHEMICAL MIXER



\$1680.00*

Handles liquids, powders and granulated products. Venturi suction system with three options.

RI RANGE TRAVELLING IRRIGATORS

Applications

TURF WATERING
Playing fields, parks and gardens, lawn cemeteries, golf courses, race courses.

AGRICULTURE
Small crops, nurseries, turf farms.

DUST CONTROL
Mining and building sites.

Features

- Australian designed and manufactured
- Positive drive via winch cable & anchor
- Power to handle all conditions
- Hot dip galvanized
- Self - propelled
- Auto stop
- Heavy duty design
- Integral hose reel (RI-20/30)
- Adjustable speed
- Easy to operate
- Spare parts and backup service available



RI-20



RI-30

From \$3800.00*

CHEMICAL SAFETY MATTERS

WE'VE GOT YOU COVERED WITH ALL THE CORRECT PERSONAL PROTECTION EQUIPMENT SO YOU CAN APPLY YOUR HERBICIDE AND INSECTICIDE PRODUCTS IN A SAFE MANNER!



DISPOSABLE OVERALLS \$17.00*



GLOVES from \$5.00*

RESPIRATOR \$31.00*



CHEMICAL APRON \$24.00*



*all prices include GST and are valid until November 30, 2020

AGRICENTRE

23 Campbell Street
East Bundaberg

Phone: (07) 4152 8339
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NO GROWER'S CHRISTMAS PARTY THIS YEAR



UNFORTUNATELY COVID IS THE CHRISTMAS GRINCH IN 2020. THE RULES FOR GATHERINGS HAVE NOT YET EASED ENOUGH FOR US TO HOST OUR ANNUAL CHRISTMAS PARTY. HOPEFULLY THINGS ARE MORE NORMAL AGAIN FOR IT TO RETURN IN 2021.



WIN! WIN! WIN! WIN! WIN! WIN! WIN! WIN! WIN! WIN! WIN! WIN! WIN!



S A C O A

MENTION THIS MONTH'S NEWSLETTER WHEN YOU BUY A 20L DRUM OF COHORT SURFACTANT DURING NOVEMBER, AND GO IN THE DRAW TO WIN ANOTHER 20L DRUM OF COHORT SURFACTANT



SACO
COHORT
Surfactant

SANTA IS COMING EARLY AT SUNFAM



Purchase a 4" x 200m Waterlord or Travelflex hose** from Sunfam during November and receive a \$100 Dan Murphy's gift card

**limited stock



Serenade[®] Prime in peanuts

The biological link between soil and plant root systems

Serenade[®] Prime contains the beneficial bacteria *Bacillus Subtilis* (also known as *Bacillus amyloliquefaciens*) strain QST713 delivered as viable dormant spores. This type of beneficial bacteria lives on plant root surfaces and in the soil around the plant root system in a zone called the rhizosphere. QST713 is an extremely vigorous strain of this bacteria which colonises very rapidly and tends to dominate young plant root surfaces. When the bacterial colonies on the roots are active they function as a dynamic biological link between the soil and the plant roots.

With successful colonisation, resources required for growth such as nutrients and water become more available, particularly early in the crop. Serenade Prime has consistently resulted in significant benefits to plant establishment and early growth.

Serenade Prime should be applied in-furrow with the inoculum at planting.

NUTRIENT UPTAKE CAPABILITIES

Colonising the soil-root interface with QST713 beneficial bacteria provides a dynamic biological link which enables better access to nutrients from the surrounding soil. Applying Serenade Prime from the start of the crop allows *Bacillus subtilis* to prime young plants for efficient access to and utilisation of key nutrients early in crop establishment.

The live microbial colonies around fine roots and root hairs are fundamental to the complex uptake reactions between the roots and the nutrients in the soil. Serenade Prime is a dominant coloniser strain and consistently gives improved nutrient uptake. The benefits show as better establishment and early growth often continuing through to the quality and uniformity of the crop.

Serenade Prime at a glance

Application Target	Apply to the soil targeting the root zone	Timing	Serenade Prime benefits plants when new root tissue is colonised very early after formation. Consequently it is best used to prime plants for EARLY GROWTH. Best results in peanuts are expected then applying a single application, in furrow at planting
Application Method	In-furrow band spray at planting		
Rate	Apply 5 to 7 L/ha	Placement	Do not apply outside root zone. If microbes do not sense the biochemical root exudates which are the signal for the root colonisation, they will not be attracted to root structures and successful colonisation will not occur.
Withholding Period	Not required when used as directed		

Great Price \$157.⁴¹ 10L CALL YOUR SUNFAM SALES REPRESENTATIVE TODAY

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ViVUS MAX

THE "SOFT OPTION" TO HELP CONTROL HELIOTHIS LARVAE IN COASTAL FARMING ENVIRONMENTS.






Heliothis larvae tend to increase in number as summer season approaches. This insect pest consists of two definitive species, namely *Heliothis Armigera* (cotton bollworm) and *Heliothis Punctigera* (native budworm). Both species can cause major damage in horticulture and cereal crops if left undetected and untreated.

Controlling heliothis larvae is not novel and the use of insecticides to control this pest has been around for considerable time. There are however numerous reported incidents where inappropriate insecticide use led to resistance buildup and loss of proper control options. This has ultimately led to severe crop damage and financial pain for affected crop farmers.

ViVUS Max™ was developed to control heliothis populations showing resistance to commonly used insecticides. The product is unique – it harnesses a baculo-virus (NPV) to help control heliothis larvae in a range of crops. This virus only works on heliothis larvae; therefore, this product can be seen as biologically soft, but still very effective when used as directed. The baculo-virus (NPV) will multiply as long as heliothis larvae are present in crop; which in turn will aid in reducing larvae (grub) numbers in crop.

ViVUS Max™ works best when used as part of existing heliothis control programs. The best time to start using ViVUS™ Max is prior to grubs becoming entrenched in the crop. Best results with ViVUS Max™ are achieved when it is applied on small heliothis larvae (no more than 7 days old, table 1 below).

Table 1.: NPV timings and Heliothis grub size chart.

Instar	Age days	Size category	Length mm	Actual size	NPV timing
1st	0 - 2	Very Small	1 - 3		✓✓
2nd	2 - 4	Small	4 - 7		✓✓
3rd	4 - 8	Medium (small)	8 - 13		✓
4th	8 - 11	Medium (large)	14 - 23		✗
5th	11 - 14	Large	24 - 28		✗
6th	14 - 18+	Large (snake)	29 - 40+		

In conditions where economic thresholds are exceeded for specific crops, it is advisable to use ViVUS Max™ with standard insecticides; the same applies to situations where grubs have grown past the 4th instar stage (table 1 above). It is advised to use ViVUS Max™ more often in horticulture crops due to very low crop damage thresholds.

The use of Optimol™ with ViVUS Max™ in tank mixes can improve mortality rates of heliothis larvae. Optimol™ is a molasses-based additive which improves the efficacy of Vivus Max™, mainly due to the sugar-induced feeding response of heliothis larvae.

The application rate is dependent on crop type and pest pressure. Higher rates can be used in response to higher grub pressure. In situations where longevity of the virus is required, lesser amounts more frequently can be used to reduce grub damage.

Application guidelines:

- ONLY APPLY when:
 - Air temperatures are between 20°C – 35°C
 - Relative humidity is above 45% R.H.
 - Larvae are actively feeding in the crop.
 - Water rates are heavy enough to cover crop properly.
- DO NOT APPLY when:
 - Air temperatures are above 35°C
 - Relative humidity is below 45% R.H.



ViVUS MAX
Advanced Helicoverpa Biocontrol

Typical application rates for Vivus Max™ range between 150-300 ml/ha; which will cost around \$39.00/ha, GST inclusive

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