



**IMTRADE  
AUSTRALIA**

Agriculture Reimagined



**Macadamia Nut &  
Avocado Range**

# Optimising profitability for Australian farmers

Imtrade Australia is an Australian owned agricultural chemical and R&D company.

Imtrade's laboratory delivers innovative products designed specifically for Australian conditions.

Established in 1981, the company operates a custom-built manufacturing and laboratory facility in Kwinana, Western Australia. Research & development, product manufacturing and quality control are conducted from this facility, with distribution warehouses located in all states nationally. Imtrade Australia supplies quality products designed for the broadacre, horticultural, turf and pasture markets.



# WHY BUY IMTRADE?

- Australian owned and operated
- All formulations & batches are quality tested
- Major patent registrant ensuring you get first hand information direct from the developer
- Wide range of chemicals available
- Responsive service culture ready to assist
- Industry engagement through strategic partnerships and investment



## SOCIAL RESPONSIBILITY

Imtrade works closely with several grower groups across Australia to complete work that is valuable and relevant to growers in those areas. Imtrade provides both technical trial support and agronomic extension programs to the members of select grower groups.

Through these partnerships, Imtrade provides invaluable insight into the efficiency and efficacy of agricultural chemicals, enabling growers to optimise agricultural chemical products in their production system. These partnerships are value-adding to the local community via the financial & technical resources provided.

## RECYCLING PROGRAM

In the manufacturing industry there can be a lot of wasted containers if the recycling is not managed appropriately. Imtrade has an intensive recycling program that sees the vast majority of packaging re-used or recycled in an effort to do their part reducing pollution of our environment. They also manufacture & promote the use of high-loading products which use less packaging and help to reduce grower's environmental footprint.

# REGISTERED FOR

## Macadamia Nuts

- Fruit Spotting Bug
- Banana spotting Bug
- Macadamia Flower Caterpillar

## Avocado

- Fruit Spotting Bug
- Monolepta Beetle



**TYRANEX  
500**

### Stomp out Fruit Spotting Bug using Trichlorfon

- Reliable and robust chemistry
- Broad-spectrum insecticidal activity
- Low residual, short withholding periods
- Multiple new permits for use
- Developed for Australian conditions



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# TYRANEX 500

## MODE OF ACTION

Imtrade TYRANEX is a Group 1B insecticide that provides broad-spectrum insecticidal control across a range of pest genera. The active ingredient, trichlorfon, is an anticholinesterase compound that acts on target pests via action on the neurotic system. Trichlorfon binds to the active site of the enzyme cholinesterase, preventing the enzyme from breaking down acetylcholine in the nervous system. Acetylcholine is a neurotransmitter responsible for the generation of nerve impulses between the nerve and the receptor. By impeding the action of the cholinesterase enzyme, trichlorfon effectively induces an accumulation of acetylcholine between the nerve and receptor leading to the disruption of the central nervous system, resulting in the death of the target pest. <sup>(1)</sup>

## WHY USE TYRANEX?

When used as directed, Imtrade TYRANEX provides robust control of a broad range of insect pests, including fruit fly, across a wide range of broad-acre and horticultural cropping situations.

- **Reliable and robust** - Trichlorfon is one of a dwindling group of proven organophosphate options, considered one of the only alternatives reliable and robust enough to replace restricted dimethoate and banned fenthion actives.
- **Broad spectrum control** - Trichlorfon provides effective insecticidal knockdown control of a broad range of pests. This includes hard-to-kill soil-borne, Lepidopteran and Hemipteran pests.
- **New permits** - Trichlorfon has recently been granted special use and minor permits for the control of fruit fly and other insect pests across a range of new horticultural cropping situations following the restriction of other efficacious actives.
- **Low residual** - Trichlorfon exhibits rapid environmental breakdown post application and invertebrate knockdown. This translates to short withholding periods, which allows for increased flexibility and confidence around application and harvest timings.

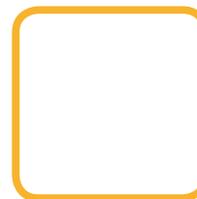
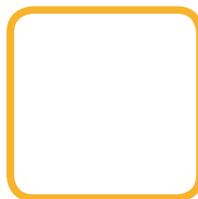
## USING IMTRADE TYRANEX

- **Read the label** - Always read the label when considering Imtrade TYRANEX for your insecticidal control needs. Take due consideration to the PPE and OH&S requirements for its use.
- **Monitor the crop** - As a short residual, non-systemic active, the application timing is critical for obtaining good control with Imtrade TYRANEX. Spray when target pests are reaching threshold numbers, or when fruit fly adults are being seen in pheromone traps.
- **Resistance management** - Where possible, always consider rotating through multiple modes of action when routinely spraying crops for target pests. A well considered plan will aid in the management of insect resistance into the future and ensure insecticidal chemistries are efficacious for years to come.

<sup>(1)</sup> Canadian Council of Ministers of the Environment. 2012. Canadian water quality guidelines for the protection of aquatic life: Trichlorfon. In: *Canadian environmental quality guidelines, 1999*, Canadian Council of Ministers of the Environment, Winnipeg.



**IMPORTANT** For current application use instructions, always refer to the product label. COPYRIGHT Information contained herein remains the copyright of Imtrade Australia and cannot be reproduced without the company's permission. © 2016 Imtrade.



# OPERATION ANNIHILATION

*SMASH THE RESISTANCE*



## PARA-TROOPER

*Excellent grass & broadleaf weed control for the harvest line area*

- Developed & manufactured for Australian conditions
- Formulated to combat hard to kill weeds
- Rapid burndown action
- Reinforced with specialised surfactants
- Quality assured in Australia



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# PARA-TROOPER



## MODE OF ACTION

Imtrade PARA-TROOPER (Paraquat + Amitrole) combines both L and Q herbicidal groups into one easy to use, broad spectrum formulation for optimal burn-down control of weeds.

By combining these two actives, Para-Trooper is able to inhibit both the photosystem 1 photosynthetic pathway and carotenoid biosynthesis. By formulating these at the right concentrations, the two modes of action have proven to be complementary in their effects.

The internal plant metabolism of amitrole delays the direct action of paraquat. This promotes broader translocation of the paraquat ion within the target. In all, this means faster, more complete weed control, reducing regrowth and allowing greater freedom of use (no need to constrain your paraquat treatments to the end of the day or overcast periods).

*“ We are constantly concerned about the spread of group A and B herbicide resistance and, consequently we are equally focused on prolonging the use of Glyphosate. A product such as Para-Trooper is a critically important rotational tool for effectively reducing weed numbers. The benefit of Para-Trooper is its ability to control large, hard to kill weeds quickly and economically”.*

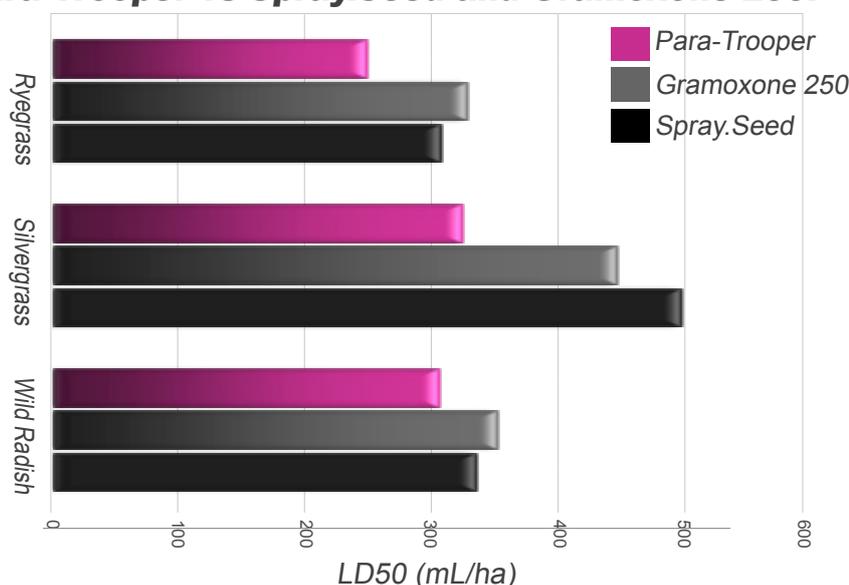
Brett Douglas, St Arnaud, VIC

## USE IMTRADE PARA-TROOPER AS STAND-ALONE

- **Read the label:** Always read the label when considering Imtrade PARA-TROOPER for your non-residual herbicide needs.
- PARA-TROOPER has 25%+ improved efficacy over Paraquat formulations.
- When used as directed, Imtrade PARA-TROOPER offers excellent burn-down control on a wide range of target weeds. It is particularly effective on young, post-emergent weeds of most species.
- **Take action early:** Target weeds when they are young and actively growing for best results. Hardened weeds or those under environmental stress are less susceptible to burn-down.
- **Monitor efficacy:** Some weeds, like flaxleaf fleabane, may require a double knockdown. For best results re-apply PARA-TROOPER post burn-down when regrowth is fresh.



**Para-Trooper vs Spray.Seed and Gramoxone 250.**



# REGISTERED FOR Stem End Rot & Anthracnose in Avocados

CONNECT  
800

## Control a wide range of foliar diseases

- Affordable broad spectrum disease control
- Long-lasting preventative protection against a wide range of fungal pathogens
- Low application rates
- High loading formulation
- Ideal mix partner to enhance efficacy



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# CONNECT 800



## MODE OF ACTION

Imtrade CONNECT 800 WG is a Group 11 Strobilurin fungicide. It works by inhibiting mitochondrial respiration in fungi which prevents spore germination and fungus growth. Azoxystrobin is active at very low doses against a wide range of fungal pathogens. Azoxystrobin moves both translaminary and systemically through the plant, redistributing the active from droplet sites throughout the canopy, ensuring optimum coverage and protection. This is particularly useful when applying to crops with a dense canopy that prevent optimal droplet penetration and coverage. Azoxystrobin binds tightly to the cuticle of plant leaves making it particularly effective as a preventative treatment and provides excellent rain-fastness. Imtrade CONNECT 800 WG applied early in the season as part of a preventative spray programme will reduce the risk of disease development.

## WHY USE CONNECT 800

- **Removing Risk:** Imtrade's wettable granule (WG) formulation has superior storage and handling properties compared to suspended concentrate (SC) formulations which can settle out.
- **High load:** Imtrade's high load granular formulation means more grams of active per kilogram resulting in lower transport and handling costs, reduced application rates, reduced hydrocarbon solvents and smaller pack sizes.
- **Flexibility:** Azoxystrobin as a standalone active allows users to customise their own fungicide mix tailored to each specific situation.

## USING CONNECT 800

- **Read the Label:** Always read the label when considering Imtrade CONNECT 800 WG for your fungicidal protection strategy.
- **Watch the Weather:** Pre-emptive strategies could save your crop, by monitoring the weather Imtrade CONNECT 800 WG can help to prevent outbreaks when applied prior to fungal promoting weather.
- **Monitor the Crop:** Regular monitoring of susceptible crops is vital, best results are obtained when Imtrade CONNECT 800 WG is applied at first signs of disease onset.
- **Use the Correct Water Rate:** Fungicides, including Imtrade CONNECT 800WG, work best when applied at water rates that provide thorough coverage of the target. For best results and to prevent fungal resistance, ensure the water rate/ nozzles being utilised are providing adequate coverage.

## TANK MIXING

Imtrade CONNECT 800 WG is compatible with a range of fungicides and insecticides to enable one pass control options in many situations. Creating mixes of CONNECT 800 WG with different mode of action (MOA) fungicides, especially DMI's, can increase the efficacy of the treatment. Synergistic and additive effects can be obtained by targeting multiple biochemical sites simultaneously.

- DO read the label and compatibility charts before tank mixing CONNECT 800 WG with other chemistries to ensure chemical compatibility.
- DO a jar test to check physical compatibility – note that this WILL NOT demonstrate chemical compatibility.



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# Manage husk spot in macadamia nuts

## IMTRADE DEFEND 400

Active: Difenoconazole

A high quality formulation for rapid curative action

- Strong curative and long-lasting protective properties
- Developed & manufactured for Australian conditions
- Simple to use, no additional adjuvants required
- Compatibility with a range of common fungicides and insecticides

## IMTRADE CARBENDAZIM 500

- Provides effective control of macadamia husk spot
- Highly systemic protectant fungicide with some curative effect

# IMTRADE CEASE

Active: Glufosinate-ammonium

For non-residual control of broadleaf and grass weeds in various situations as specified in the Directions for Use Table.

- Works well in high humidity warm conditions experienced in many horticultural areas.
- Complete knockdown of grass and broadleaf weeds in a range of horticultural and tree crops.
- Under favourable climatic conditions rapid brownout of weeds is achieved.
- Low translocation means low risk for vines and tree crops once bark is lignified and hardened.
- Simple to use, no additional adjuvants required in most cases.
- Resistance management tool as an Integrated Weed Management rotational product with glyphosate, paraquat and diquat.
- No soil residual issues.



## IMTRADE IPRODIONE 500

**KNOCK**  
**Botrytis Blight**  
**FOR SIX**

## IMTRADE ERADICATOR

A Non-selective water soluble herbicide for the control of a wide range of annual and perennial weeds in a variety of situations as per the Directions for Use Table.

**GLYPHOSATE?**  
**CHOOSE QUALITY**  
**CHOOSE ERADICATOR 540**

Not a creature was stirring,  
Not even a mouse



**DeadMouse**  
Zinc Phosphide Bait



**Top Cat**  
Rodenticide



**Alley Cat**  
Rodenticide



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**Phytophthora root rot?**

# **DOMINATE THIS SEASON**



## **IMTRADE DOMINATOR 600**

**Active: Phosphonic Acid**

Formulated for Australian conditions using only high quality ingredients. Each batch is tested to ensure it meets Imtrade's strict standards.



[www.imtrade.com.au](http://www.imtrade.com.au)

# Leading edge solutions through R&D and innovation

## RESEARCH & DEVELOPMENT

Imtrade's in-house regulatory expertise has seen the company rapidly expand their range of crop protection products, now listed as the fourth largest registrant operating in Australia. This success has been built on the foundation of an expanded R&D program, an in-house manufacturing and quality control system, intellectual property & registration ownership and global supply partnerships.

Imtrade Australia operates a Good Laboratory Practice (GLP) laboratory recognised by the National Association of Testing Authorities (NATA), Australia. Registration in 2011 was preceded by more than 3 years of preparatory work as confirmed by NATA, and places Imtrade at the very forefront of pesticide testing in Australia in terms of both capability and integrity. Imtrade is the only GLP recognised test facility in Western Australia, and one of only two companies Australia-wide that also market pesticides.

Imtrade's GLP recognised status provides for the conduct of globally acknowledged non-clinical health and environmental safety studies into pesticides, veterinary drugs, food additives, feed additives and industrial chemicals.

## WHAT IS GLP?

Good Laboratory Practice is a quality system applicable to pesticide testing. The purpose of GLP is to promote the development of quality test data and provide a tool to ensure a sound approach to the management of laboratory studies, including conduct, reporting and archiving.

The GLP program is administered by the Organisation for Economic Cooperation and Development (OECD) and is a global standard for ensuring the quality, reliability, integrity and traceability of data.



## CONFIDENCE IN QUALITY

Quality belongs to everyone and it is Imtrade's duty to maintain it. Responsibility for quality is shared evenly by everybody in each area of the business.

As part of Imtrade's Quality Management Program, all staff are trained in relevant quality standards and procedures.

Imtrade Australia works to a high internal standard and strives to: **'Get it right, first time, every time.'**

The manufacturing facility produces products and services that meet the needs of its customers in an efficient, sustainable manner, on all occasions.

Imtrade Australia identifies products and services that are of quality and in demand and specify the parameters in which these products and services are bound to guarantee quality, ensuring a cost effective means of production and delivery for growers.

## Further Information

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