

**VICCHEM**

*The Right Chemistry*



# HORTICULTURE PRODUCT GUIDE

**PICK WITH  
THE BEST.**

HORTICULTURAL SPECIALTIES →

SPRAY ADJUVANTS →

WETTING AGENTS & SOIL WETTERS →

INSECTICIDE SPRAY OILS →

HORTICULTURE SPECIALTIES	<b>GALA<sup>+</sup></b> <b>GROWTH REGULATOR</b> Gibberellic Acid (GA3) in Ethyl Oleate and Surfactants 
	<b>SUITABILITY</b> → Tree Crops / Viticulture
	<b>HITMAN<sup>+</sup></b> <b>SOAP INSECTICIDE</b> Fatty Acid Potassium Soap 
	<b>SUITABILITY</b> → Viticulture / Protected Cropping / Field Crops
	<b>Voulaire's<sup>+</sup> EE-MULS-OYLE<sup>+</sup></b> <b>MULTI-PURPOSE DRYING OIL</b> Esterfield Vegetable Oil and Surfactants 
	<b>SUITABILITY</b> → Viticulture
SPRAY ADJUVANTS	<b>HASTEN<sup>+</sup></b> <b>SPRAY ADJUVANT</b> Esterfield Vegetable Oil (Ethylated) and non-ionic Surfactants  
	<b>SUITABILITY</b> → Tree Crops / Viticulture / Protected Cropping / Field Crops
	<b>OUTRIGHT<sup>+</sup> 770</b> <b>SPRAY ADJUVANT</b> Unique formulation of Esterfield Vegetable Oil (Ethylated), Ammonium Sulphate and non-ionic Surfactants 
	<b>SUITABILITY</b> → Weed Control
	<b>GRAVITATE<sup>+</sup> 707</b> <b>SPRAY ADJUVANT</b> A combination of Esterfield Vegetable Oil (Ethylated), Citric acid and Soyol Phospholipids creating an acidifying and penetrating adjuvant 
	<b>SUITABILITY</b> → Weed Control
WETTING AGENTS & SOIL WETTERS	<b>DELUGE<sup>+</sup> LOW FOAM</b> <b>WETTING AGENT</b> Low foaming non-ionic Surfactant 
	<b>SUITABILITY</b> → Tree Crops / Viticulture / Protected Cropping / Field Crops
	<b>DELUGE<sup>+</sup> 1000</b> <b>WETTING AGENT</b> High performance non-ionic Surfactant 
	<b>SUITABILITY</b> → Tree Crops / Viticulture / Protected Cropping / Field Crops
	<b>SPRINTA<sup>+</sup> SUPERWETTER</b> Organosilicone non-ionic Superwetter 
	<b>SOAK-N-WET<sup>+</sup></b> <b>For SOIL WETTING and WATER RETENTION</b> Soil Wetting and Water Retention Agent
INSECTICIDE SPRAY OILS	<b>TRUMP<sup>+</sup></b> <b>SPRAY OIL</b> Highly refined Paraffinic Oil (USR > 98%) and Surfactants 
	<b>SUITABILITY</b> → Tree Crops / Viticulture / Protected Cropping / Field Crops
	<b>VICOL<sup>+</sup> SUMMER OIL</b> <b>INSECTICIDE</b> Highly refined Paraffinic Oil (USR > 92%) and Surfactants 
	<b>SUITABILITY</b> → Tree Crops / Viticulture / Protected Cropping / Field Crops
	<b>VICOL<sup>+</sup> WINTER OIL</b> <b>WINTER DORMANT MISCIBLE OIL</b> <b>INSECTICIDE</b> Refined Petroleum Oil and Surfactants
	<b>SUITABILITY</b> → Tree Crops / Viticulture

The VICCHEM logo is presented in a bold, white, sans-serif font against a solid red rectangular background.

*The Right Chemistry*

# REACH FOR VICCHEM.

At VICCHEM, we're committed to nurturing the growth of Australia and empowering our growers to achieve the best results from their land. With a legacy spanning over 90 years, we have been a steadfast partner to Australian growers and horticulturalists, consistently delivering top-notch agri-chemical solutions that drive success in both farms and the broader horticultural and agricultural communities.

Understanding the unique challenges of horticulture in Australia is second nature to us. That's why we're dedicated to developing practical and sustainable solutions, harnessing rigorous research, solid science, and extensive local expertise. Our comprehensive range of horticultural products include; Drying Oils, Soap Insecticides, Growth Regulators, Spray Adjuvants, Wetting Agents, Soil Wetters, and Spray Oils. Each product is crafted to meet the precise needs of the Australian horticulture industry, focusing on superior quality and effectiveness.

When results matter, Australian growers trust VICCHEM.





# HORTICULTURAL SPECIALTIES.

Our extensive lineup of specialist horticultural products is designed to meet the unique needs of every grower.

Grounded in science and a deep understanding of what horticultural growers require, our products are developed to improve performance of your crop. Products like GALA Growth Regulator will enhance a variety of crops, HITMAN Soap Insecticide is highly effective against soft-bodied insects and mites, and VOULLAIRE's EE-MULS-OYLE will significantly reduce the drying time of fruit. With VICCHEM you are equipped improved profitability of your growing operations.



## HITMAN<sup>†</sup>

**SOAP INSECTICIDE**



**USAGE RATES** 1.5 - 3.0L per 100L water

**PACKAGE SIZE** 20L / 200L / 1000L

BENEFITS
➔ No withholding period and zero residue
➔ Suitable for use in Integrated Pest Management Programs
➔ Controls a range of soft bodied insects and mites

HITMAN Soap Insecticide is an organically approved contact insecticide and wetting agent with no withholding period, posing low risk to users and the environment. Its active ingredient, potassium salts of fatty acids derived from natural oils, effectively targets soft-bodied insects and mites. Approved by the Australian Certified 'Organic' for organic use, it offers peace of mind for eco-conscious farmers. HITMAN Soap Insecticide is a safe and reliable choice for pest control in organic farming practices.

CROP & ENVIRONMENTAL EFFECTS	
<b>Fruit &amp; Foliage:</b> Medium Risk	<b>Beneficial Pest Management:</b> Medium Risk

PEST SPECTRUM
Aphids, Thrips, Scale, Mealybug, Mites, Whitefly

SUITABILITY		
	<b>VITICULTURE</b>	Grape
	<b>PROTECTED CROPPING</b>	Vegetables / Cannabis
	<b>FIELD CROPS</b>	Banana / Vegetables

 **GALA<sup>†</sup>**  
GROWTH REGULATOR 

**USAGE RATES** → See label (*rates vary*) **PACKAGE SIZE** → 1L / 10L



- BENEFITS**
- Promotes growth in grapes, citrus, cherries and pasture
  - Increases crop value
  - Safe and easy to use liquid formula

GALA Growth Regulator is a unique formulation of Gibberellic Acid (GA3) containing the penetrating oil Ethyl Oleate, specifically designed for foliar spray applications on citrus, cherries, grapes and pasture. This safe and easy-to-use product promotes cell elongation and accelerates cell division in plants, resulting in larger grapes and cherries, GALA decreased severity of certain physiological disorders in citrus and increased pasture growth during dormant periods when applied as directed.

**CROP & ENVIRONMENTAL EFFECTS**

<b>Fruit &amp; Foliage:</b> Low Risk	<b>Beneficial Pest Management:</b> Low Risk
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**SUITABILITY**

	<b>TREE CROPS</b>	Citrus / Cherry
	<b>VITICULTURE</b>	Grape

 **Voullaire's<sup>†</sup>**  
**EE-MULS-OYLE<sup>†</sup>**  
MULTI-PURPOSE DRYING OIL 

**USAGE RATES** → 0.5ml - 2L per 100L water **PACKAGE SIZE** → 20L / 200L / 1000L

- BENEFITS**
- Reduces fruit drying time
  - Produces higher quality dried fruit
  - Internationally recognised manufacturing standard

VOULLAIRE'S EE-MULS-OYLE is a Multi-Purpose Drying Oil designed to reduce fruit drying time, particularly for grapes, enhancing produce value by minimising exposure to the environment. Its active ingredients, ethyl esters, are cost-effective and efficiently increase drying rates. Formulated with a unique blend of emulsifiers, it ensures excellent emulsion stability for easy and reliable application. VOULLAIRE'S EE-MULS-OYLE offers a practical solution for accelerating fruit drying while maintaining product quality and value.

**SUITABILITY**

	<b>VITICULTURE</b>	Grape
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# SPRAY ADJUVANTS.

Enhance the efficiency and effectiveness of your spray applications with VICCHEM’s specialty spray adjuvants.

Designed for superior performance, our adjuvants ensure faster wetting action, more uniform distribution, and enhanced retention, facilitating better uptake of foliar-absorbed products. Whether it’s breaking through the waxy plant cuticle with HASTEN, managing hard water challenges with OUTRIGHT 770, or adjusting pH levels with GRAVITATE 707, our adjuvants provide tailored solutions to meet the needs of every horticulture grower.

## GRAVITATE<sup>+</sup> 707

SPRAY ADJUVANT

USAGE RATES

0.25 - 0.5L per 100L water

PACKAGE SIZE

5L / 10L / 20L / 110L / 1000L

- BENEFITS
- Adhere to leaf surface
  - Increases coverage of spray droplets
  - Superior surface penetration

GRAVITATE 707 Spray Adjuvant is a cutting-edge adjuvant tailored for Australian agriculture. Serving as a second-generation acidifying and penetrating surfactant, it enhances the efficacy of agri-chemical products. This innovative solution combines the trusted effectiveness of HASTEN, ensuring superior weed leaf penetration and minimised driftable fines. GRAVITATE 707 boasts a low odour, facilitating easier handling, and features a pH indicator, aiding growers and spray operators in achieving the optimal pH balance within tank mixes.

SUITABILITY

OTHER

Weed Control



**HASTEN<sup>+</sup>**

**SPRAY ADJUVANT**



**USAGE RATES** 0.5 - 2L per 100L water

**PACKAGE SIZE** 5L / 20L / 110L / 1000L





**BENEFITS**

- Superior surface penetration
- Widely compatible with insecticides and fungicides
- Safe to the crop, user and the environment

HASTEN Spray Adjuvant, endorsed by Australia's top agri-chemical products, boasts superior surface penetration capabilities, is ideal for various horticultural products under diverse spray conditions. This premium adjuvant enhances the effectiveness of a broad spectrum of agricultural products, including selective and non-selective herbicides, insecticides, fungicides, and defoliant. HASTEN stands as a reliable choice to optimise the performance of agri-chemicals to ensure improved efficacy across different farming applications and conditions.

**CROP & ENVIRONMENTAL EFFECTS**

<b>Fruit &amp; Foliage:</b> Medium Risk	<b>Beneficial Pest Management:</b> Low Risk
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<b>SUITABILITY</b>		<b>TREE CROPS</b>	Citrus / Almond / Pome Fruit / Cherry
		<b>VITICULTURE</b>	Grape
		<b>PROTECTED CROPPING</b>	Vegetables / Ornamental
		<b>FIELD CROPS</b>	Vegetables / Tomato



**OUTRIGHT<sup>+</sup> 770**

**SPRAY ADJUVANT**



**USAGE RATES** 0.25 - 1L per 100L water

**PACKAGE SIZE** 5L / 20L / 110L / 1000L

**BENEFITS**

- Improves herbicide activation in hard water
- Enhanced penetration of waxy weed surface
- Increases adhesion for maximum uptake

OUTRIGHT 770 Spray Adjuvant tackles hard water challenges, ensuring herbicides remain effective in high-mineral content water preventing deactivation. With its unique blend of ammonium sulphate and HASTEN Technology, OUTRIGHT 770 optimises herbicide performance even in challenging conditions. Delivers enhanced penetration through tough waxy weed surfaces, prolongs herbicide activity and improves adhesion for maximum uptake. OUTRIGHT 770 combines three essential adjuvants in the one adjuvant, simplifies mixing and application, offering a cost-effective solution for farming operations.

<b>SUITABILITY</b>		<b>OTHER</b>	Weed Control
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# SOAK-N-WET<sup>†</sup>

For SOIL WETTING and WATER RETENTION

**USAGE RATES** 2 - 10L/Ha

**PACKAGE SIZE** 20L / 200L / 1000L

## BENEFITS

- Increases water availability for plant
- Retains water in root zone and reduces evaporation
- Improves re-wetting of soils

SOAK-N-WET Wetting Agent, featuring a non-ionic wetting adjuvant and water-retaining polymer, is suitable for various settings including broadacre, horticulture, viticulture, orchards, turf, and home gardens. It enhances water potential by aiding soil penetration, retention, and evaporation resistance, prolonging soil moisture around plant roots to foster growth. Fast-acting, long-lasting, and biodegradable, SOAK-N-WET minimises water runoff and wastage, making it an environmentally friendly choice for optimising plant health and water usage.

## CROP & ENVIRONMENTAL EFFECTS

<b>Fruit &amp; Foliage:</b> Soil Contact Only	<b>Beneficial Pest Management:</b> Soil Contact Only
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## SUITABILITY



**OTHER**

Soil Contact Only



# SPRINTA<sup>†</sup> SUPERWETTER



**USAGE RATES** 0.03 - 0.2L per 100L water

**PACKAGE SIZE** 1L / 5L / 10L / 20L

## BENEFITS

- Ensures thorough coverage on all plant surfaces
- Reduces surface tension of water
- Improves effectiveness of herbicides

SPRINTA Superwetter, a non-ionic wetting agent with organosilicone properties, aids in the retention of spray droplets, ensuring excellent coverage on target surfaces and penetration of horticultural products. Compatible with various agri-chemical products, its superwetting properties are particularly effective for crops or pests requiring thorough surface coverage for optimal performance. SPRINTA Superwetter is a reliable choice for achieving comprehensive and effective application of agri-chemical treatments in diverse farming scenarios.

## CROP & ENVIRONMENTAL EFFECTS

<b>Fruit &amp; Foliage:</b> High Risk	<b>Beneficial Pest Management:</b> High Risk
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## SUITABILITY



**OTHER**

Contact your local Agronomist



# DELUGE<sup>+</sup> LOW FOAM

WETTING AGENT



**USAGE RATES** 0.01 - 0.5L per 100L water

**PACKAGE SIZE** 5L / 10L / 20L / 110L, 1000L

### BENEFITS





- Improves uptake of agri-chemicals on plant surface
- Reduces foam of high foaming products
- Improves spreading of spray droplets on plant surface

DELUGE LOW FOAM Wetting Agent is formulated to reduce foaming and minimise the risk of phytotoxicity while enhancing spray results. This non-ionic wetting agent aids in retention, wetting, and dispersion of spray droplets, improving the uptake of agri-chemicals. Compatible with most agri-chemical products and water qualities used in agricultural spraying, DELUGE LOW FOAM is crop-safe when used as directed, making it well-suited for horticultural applications.

### CROP & ENVIRONMENTAL EFFECTS

**Fruit & Foliage:**  
Low Risk

**Beneficial Pest Management:**  
Medium Risk

SUITABILITY		<b>TREE CROPS</b>	Citrus / Almond / Pome Fruit / Cherry / Other Tree Crops
		<b>VITICULTURE</b>	Grape
		<b>PROTECTED CROPPING</b>	Tomato / Vegetables
		<b>FIELD CROPS</b>	Banana / Tomato

# DELUGE<sup>+</sup> 1000

WETTING AGENT



**USAGE RATES** 0.01 - 0.4L per 100L water

**PACKAGE SIZE** 5L / 20L / 110L / 1000L

### BENEFITS





- High concentration reduces handling and storage
- Delivers improved herbicide performance
- Safe to the crop, user and the environment

DELUGE 1000 Wetting Agent is a high-performance non-ionic surfactant with outstanding in-crop safety. Compatible with most agri-chemical products, it ensures excellent wetting and spreading of spray droplets on plant surfaces. Suitable for both acid and alkaline sprays, DELUGE1000 mixes easily with various water types used in agricultural spraying. Highly concentrated, it's ideal for broadacre horticultural applications, offering efficient coverage and performance for growers seeking superior results in on farm.

### CROP & ENVIRONMENTAL EFFECTS

**Fruit & Foliage:**  
Medium Risk

**Beneficial Pest Management:**  
Medium Risk

SUITABILITY		<b>TREE CROPS</b>	Citrus / Almond / Pome Fruit / Cherry / Other Tree Crops
		<b>VITICULTURE</b>	Grape
		<b>PROTECTED CROPPING</b>	Tomato / Vegetables
		<b>FIELD CROPS</b>	Banana / Tomato



# INSECTICIDE SPRAY OILS.

Elevate your crop care with VICCHEM’s specialised Insecticide Spray Oils, expertly designed to support healthy growth and effective pest control throughout the year.

Our oils, including TRUMP Spray Oil, VICOL Summer Oil, and VICOL Winter Oil, offer targeted solutions to combat a range of pests with minimal environmental impact. Whether safeguarding dormant crops or enhancing active growth phases, VICCHEM Insecticide Spray Oils provide superior coverage, enhanced penetration, and reliable protection against a variety of insect and mite pests, ensuring your horticultural efforts are as fruitful as possible.

## **VICOL<sup>†</sup> WINTER OIL** WINTER DORMANT MISCIBLE OIL **INSECTICIDE**

**USAGE RATES** 2 - 3L per 100L

**PACKAGE SIZE** 20L / 200L / 1000L / Bulk

### BENEFITS

- ➔ Delivers excellent coverage and minimises runoff
- ➔ Ideal for pest control during dormancy period
- ➔ Cost effect spray oil insecticide

VICOL Winter Oil is a mineral oil based product that offers a cost-effective control of selected insect pests on dormant trees and plants. Suitable for use on dormant tree crops crops as well as grapevines. VICOL Winter Oil effectively targets scale and mite pests and is specifically designed for use in winter when trees and vines are dormant. Its effective emulsion ensures excellent coverage, minimises runoff and provides an economic and efficient pest control.

### CROP & ENVIRONMENTAL EFFECTS

**Fruit & Foliage:**  
High Risk

**Beneficial Pest Management:**  
Medium Risk

### PEST SPECTRUM

Scale, Mites

SUITABILITY



**TREE CROPS**

Citrus / Almond / Pome Fruit / Stone Fruit / Cherry



**VITICULTURE**

Grape



# TRUMP<sup>†</sup>

## SPRAY OIL



**USAGE RATES** 1 - 5L per 100L water

**PACKAGE SIZE** 20L / 200L / 1000L / Bulk

### BENEFITS

- High quality and safe spray oil
- No withholding period and zero residue
- Suitable for use in Integrated Pest Management Programs
- Controls a range of soft bodied insects and mites

TRUMP Spray Oil, a highly purified paraffin oil (USR > 98%), minimises phytotoxicity potential while effectively targeting pests, enhancing the performance of select horticultural products. This blend of refined paraffinic oil and non-ionic surfactants is tailored for pest management across various crops as specified on the label. Its purity reduces the risk of phytotoxicity compared to other oil-based products, ensuring a reliable and effective solution for pest control while safeguarding crop health and value.

### CROP & ENVIRONMENTAL EFFECTS

**Fruit & Foliage:**  
Low/Medium Risk

**Beneficial Pest Management:**  
Medium Risk

### PEST SPECTRUM

Aphids, Thrips, Scale, Mealybug, Mites, Whitefly, Leaf Miner

<b>SUITABILITY</b>		<b>TREE CROPS</b>	Citrus / Almond / Pome Fruit / Stone Fruit / Cherry
		<b>VITICULTURE</b>	Grape
		<b>PROTECTED CROPPING</b>	Vegetables / Ornamental
		<b>FIELD CROPS</b>	Banana / Vegetables



# VICOL<sup>†</sup>

## SUMMER OIL

### INSECTICIDE



**USAGE RATES** 0.5 - 3L per 100L water

**PACKAGE SIZE** 20L / 200L / 1000L / Bulk

### BENEFITS

- No withholding period and zero residue
- Suitable for use in Integrated Pest Management Programs
- Controls a range of soft bodied insects and mites

VICOL Summer Oil is a paraffinic oil (USR > 92%) product that effectively controls scale insects on citrus and grapevines, mite pests on stone and pome trees. Suitable for use throughout the year, it offers effective emulsion for optimal coverage and reduces runoff. Formulated with a highly refined paraffinic oil, it's particularly effective against scale insects and mites in a range of diverse growing conditions, crops and tree crops.





### CROP & ENVIRONMENTAL EFFECTS

**Fruit & Foliage:**  
Medium Risk

**Beneficial Pest Management:**  
Medium Risk

### PEST SPECTRUM

Thrips, Scale, Mealybug, Mites, Leaf Miner

<b>SUITABILITY</b>		<b>TREE CROPS</b>	Citrus / Almond / Pome Fruit / Stone Fruit / Cherry
		<b>VITICULTURE</b>	Grape
		<b>PROTECTED CROPPING</b>	Ornamental
		<b>FIELD CROPS</b>	Banana

# VICCHEM

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## AVAILABLE FROM YOUR LOCAL RURAL RETAILER

For further information visit [VICCHEM.COM.AU](http://VICCHEM.COM.AU) OR  
CALL 03 9301 7000 or your VICCHEM Territory Manager:

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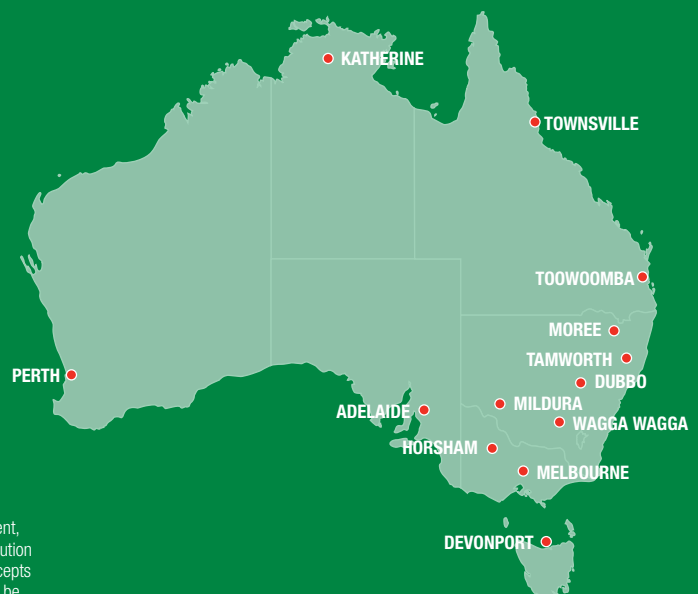
We encourage you to recycle your VICCHEM 5, 10 and 20 L containers at your local drumMUSTER recycling location.

[drummuster.org.au](http://drummuster.org.au)



VICCHEM is proudly Australian owned and manufactured.

## VICCHEM WAREHOUSE LOCATIONS



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