

# BioAAid® Summer Spray Oil

## INSECTICIDE

### ACTIVE CONSTITUENT: 851 g/L PETROLEUM OIL

For the control of scale insects on citrus, mites on stone and pome fruit trees and Cercospora, Cordana, leaf spots, leaf speckle on bananas and for use as a spreader.



Manufactured by:  
Australian Adjuvants Pty Ltd  
5-7 Maria St, Laverton North,  
Victoria 3026, Australia  
P: +61 3 9369 4333  
F: +61 3 9015 6508  
E: admin@ausadjuvants.net.au  
www.ausadjuvants.net.au

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#### DIRECTIONS FOR USE:

#### RESTRAINTS:

DO NOT spray when shade temperatures exceed 30°C.

DO NOT spray when soil is dry or trees are suffering from moisture stress.

CROP	PEST	STATE	RATE	CRITICAL COMMENTS	
Citrus except "Glen Retreat" variety Mandarins	Citrus Leafminer	NSW, Qld, Vic, SA, WA, Tas only	For control of Citrus leafminer use 0.5L/100L if there is also a need to control other pests eg Red Scales then use 0.5 - 1.0L /100L	During each flush cycle spray every 5 to 14 days. In summer and early autumn spraying will be needed more frequently than in mid to late autumn. Sprays must be applied thoroughly, ensuring that susceptible leaves are covered on both sides. PRECAUTIONS: If petroleum spray oil is applied more than once from spring to autumn, either alone or in combination with other materials, the total strength of oil used in commercial orchards should not exceed 2L in Qld and SA, and 2.5L of oil in NSW and Victoria. Do not spray citrus with sprays containing 1 to 1.2L product/100L water before October or after mid-March. Do Not spray when the soil is dry; trees must not be suffering from moisture stress when sprayed. Ensure that oil-water mixtures held in spray tanks or containers during application are continually and effectively agitated or stirred to prevent the oil separating from the water. Petroleum oil sprays greater than 250mL product/100L water should not be applied for at least one month after spraying with sulphur or lime sulphur, as severe injury may occur, especially if the oil is applied in hot weather.	
		Red Scale	Vic, SA, WA only	1.2L/100L	Apply according to local Department of Agriculture recommendations.
			NSW only	1.3-2.0L/100L	
			Qld only	1.0 - 1.7L/100L	Application late November to early December. Another application late January early February if required. Tank mix with methidathion according to the label recommendations.
		White Wax Scale,	Vic, WA only	1.2L/100L	Apply according to local Department of Agriculture recommendations.
		Pink Wax Scale	NSW only	2L/100L	
Black Scale	Tas, WA only	1.8L-2.5L/100L	Application mid December to early January. Apply again in February.		
Soft Brown Scale	Tas, WA only		Application January/April.		

CROP	PEST	STATE	RATE	CRITICAL COMMENTS
Pome Fruit Stone Fruit	San Jose Scale, Oyster Shell Scale, Bryobia Mite Eggs, European Red Mite Eggs	Vic, SA, WA, Tas, NSW only	2L/100L	Application during dormant period up to green tip (Pome Fruit) or bud swell (Stone Fruit).
		Qld only	3 L/100 L	For WA apply in combination with a recommended chemical treatment for San Jose Scale.
	Two Spotted Mite	NSW, Qld only	3L/100L	Application during dormant period up to green tip (Pome Fruit) or bud swell (Stone Fruit).
Bananas	Cercospora Leaf Spot	NSW only	4L/Ha	Apply in combination with mancozeb at 2.2-4.5kg/Ha in 200-500L of water. Apply at 3-4 week intervals from December until late April. In Nth Qld the intervals may be reduced to 10-14 days in the wet season.
		Qld only	3.5L/Ha	
	Cercospora Leaf Speckle, Leaf Spot	NSW, Sth Qld only	12L/Ha	Apply as above. Starting in November, early December apply as a mist at intervals of not more than 3 weeks until April. Spray both sides of leaves.
		NSW, Sth Qld only	5L/Ha	Apply with Tilt* 250EC at 200-400mL/Ha. Begin spraying in December and apply 4-5 times at 21 day intervals. If required use alternative fungicides after this. Spray both sides of leaves.
	Cercospora Leaf Spot, speckle, Cordana leaf spot	Nth Qld only	5 L/ha	Apply with Tilt* 250EC at 200-400mL/Ha. Spray from the start of the wet season in December every two weeks for a maximum of 6 applications. If required use alternative fungicides after this. Spray both sides of the leaves.
Scale Insects	Qld, NSW, WA only	2L/100L	Use when heavy scale populations are present on foliage, fruit or stems. If trees need watering do not apply. Efficacy is best against young crawler stages.	
		Qld only	1L/100L	Application late November to early December. Another application late January early February if required. Tank mix with methidathion or carbaryl according to label recommendations or soda ash at 500-750g/100L, or washing soda at 500-750g/100L.
Avocado	Scale Insects	Qld only	1.2 or 1.6L/100L	Use when heavy scale populations are present on foliage, fruit or stems. If trees need watering do not apply. Efficacy is best against young crawler stages.
Kiwifruit	Scale Insects	NSW, WA only	2L/100L	
		Qld only	1-1.6L/100L	
Custard Apple	Scale Insects	NSW, WA only	2L/100L	
		Qld only	1-1.7L/100L	
Mango	Scale Insects	NSW, WA only	2L/100L	
		Qld only	1.25L/100L	
Grapes	Grapevine Scale	NSW only	3L/100L	Control is possible if the dormant vines are sprayed in winter preferably after pruning.
As a Spreader	All pests above	NSW, Qld, Vic, Tas, SA, WA only	0.5L/100L	Use in conjunction with malathion, bordeaux, thiram and ziram if used at low-oil strengths. Spray coverage is improved with the inclusion of BioAAid Summer Oil.

PEST	SPRAYER	VOLUMES OF SPRAY (L/ha)		
		500 mL**	1.0 L**	2.0 L**
Red Scale	Oscillating boom with Outtrigger		8,000-12,000	
	Airblast with tower		9,000-14,000	
	Rotary Atomiser		8,000-12,000	
Young soft scales	Oscillating boom with Outtrigger		6,000-10,000	6,000-10,000
	Airblast with tower		6,000-10,000	6,000-10,000
	Rotary Atomiser		6,000-8,000	6,000-8,000
Citrus Red Mite	Oscillating boom with Outtrigger	7,000-10,000	5,000-8,000	
	Airblast with tower	7,000-10,000	5,000-8,000	
	Rotary Atomiser	7,000-8,000	4,500-6,500	
Rust Mites	Oscillating boom with Outtrigger	7,000-10,000	5,000-8,000	
	Airblast with tower	7,000-10,000	5,000-8,000	
	Rotary Atomiser	7,000-8,000	4,500-8,000	
Citrus leafminer	Oscillating boom with Outtrigger	3,000-4,000		
	Airblast with tower	3,000-4,000		
	Rotary Atomiser	3,000-4,000		
Young Mealybugs*	Oscillating boom with Outtrigger		10,000	10,000-12,000
	Airblast with tower		10,000	10,000-14,000
	Rotary Atomiser		8,000	8,000-10,000
Greenhouse Thrips*	Oscillating boom with Outtrigger		10,000-12,000	
	Airblast with tower		10,000-12,000	
	Rotary Atomiser		8,000-12,000	

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIOD: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

**GENERAL INSTRUCTIONS:**

Apply when trees are in good condition 7-10 days after rain or irrigation.

**MIXING INSTRUCTIONS:**

Pour the required amount of water into the mixing tank then add the BioAAid Summer Spray Oil and agitate well. When using in combination with other pesticides, mix the pesticide first according to the manufacturers' instructions, then add BioAAid Summer Spray Oil last. Maintain continuous agitation while spraying.

**SPRAYING INSTRUCTIONS:**

Refer to the table for recommended spray volumes. These are based on mature, four metre high orange trees (250 single planted or 500 double planted trees per hectare). Volumes in bold type face mean that the same spray may need to be applied twice in one season. Volumes in normal type face indicate that one spray per season is generally sufficient. Where a range of values is given, the lower value is suitable for low to medium infestations in the presence of good natural enemy activity. The higher value is for heavy infestations, and may also be more suitable for the production of fresh fruit. Applications for the control of soft scales, wax scales and mealy bugs must be applied when the youngest stages of the pests predominate.

\* Single season applications, or the first of two sprays, for Greenhouse Thrips and Mealy bugs should be made post-harvest, initially in late spring/early summer before new-season fruits start to touch.

\*\* Volumes of BioAAid Summer Spray Oil per 100 L of Water. Run-off should not be considered as wastage as it is generally better to apply higher volumes with less oil than lower volumes with more oil. Thorough coverage is very important and must include the tops of trees. Maintain continuous agitation while spraying.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:**

DO NOT apply Sertin 186 EC and BioAAid Summer Spray Oil in tank mixes of methazole or ioxynil as crop damage may occur.

**PROTECTION OF LIVESTOCK, FISH, CRUSTACEANS AND ENVIRONMENT:**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL:**

KEEP OUT OF REACH OF CHILDREN

Store in the closed, original container in a cool, well-ventilated area.

Do not store for prolonged periods in direct sunlight.

Triple-rinse containers before disposal. Add rinsings to spray tank.

Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

**For 1000L containers** – Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage.

**MATERIAL SAFETY DATA SHEET:**

For further information refer to the Material Safety Data Sheet (MSDS), which is available from the supplier.

**CONDITIONS OF SALE:**

The use of BioAAid Summer Oil being beyond the control of the Manufacturer, no warranty expressed or implied is given by Australian Adjuvants Pty Ltd regarding its suitability, fitness or Efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Australian Adjuvants Pty Ltd accepts no responsibility or any Consequences whatsoever resulting from the use of this product.

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APVMA Approval No.: