

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

# BIOTHIN

## BLOSSOM THINNER

ACTIVE CONSTITUENT: 782g/L AMMONIUM THIOSULPHATE

FOR THE DESICCATION OF BLOSSOMS  
AND REDUCTION OF FRUIT SET IN PLUMS  
INCLUDING PRUNE PLUMS, AND CERTAIN  
VARIETIES OF LOW CHILL PEACHES



20 LITRES



DIRECTIONS FOR USE:

SITUATION	TARGET	STATE	RATE	CRITICAL COMMENTS
Plums (fresh and prune)	Desiccation of blossoms at flowering and reduction in fruit set	WA, SA VIC, ACT and NSW only	1.0 L per 100 L of water	For plums apply at 1 to 2 days after full bloom and for peaches apply at full bloom. Use an air blast sprayer calibrated to give an even droplet size and to apply spray over the entire tree aiming to wet blossoms evenly using approximately 1500 to 2500 litres of spray per field hectare depending upon tree size. Do not apply more than 2500 litres per hectare as over-thinning and foliage damage may occur. Lower volumes may give poorer coverage and reduce efficacy. Ensure sprayer is calibrated to give even coverage over the whole tree. Poor calibration may result in over-thinning of the lower part of the tree and under-thinning of the upper parts of the tree. For peaches use the higher rate on heavy flowering trees or when application is made several day after full bloom.  Refer to General Instructions section for further details.
Peaches (nominated varieties only)			1.0 to 1.25 L per 100 L of water	

NOT TO BE USED FOR ANY PURPOSE OTHER THAN INDICATED ON THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

GENERAL INSTRUCTIONS

- BIOTHIN BLOSSOM THINNER desiccates blossoms and prevents them from setting provided it is applied at the correct time. Late application may desiccate flower petals but will not affect pollination and setting. Early application may lead to over thinning if sufficient blossoms have not set before application or under thinning if sufficient blossoms have not opened.
- Full bloom is considered to be when the first petals start to fall. At this stage most (approximately 90%) flowers will have opened.
- Some leaf burning may occur but experience has shown that this is normally slight and temporary and tree growth is not affected. Experience has shown that peach variety Flordagold may be more susceptible. When treating European plums exercise caution until local experience has been obtained.
- If flowering occurs over an unusually long period due to seasonal conditions final fruit thinning may be reduced.
- If conditions at flowering do not favour pollination; i.e. cool wet weather with few pollinators about, do not use this product, as over-thinning may result.
- Pollinator and fruit set are affected by many factors and combinations of factors, many of which are not well understood. Field research has shown that BIOTHIN can be a great assistance with crop load management when used according to the directions for use but under or over thinning may occur from time to time.
- Peach varieties: BIOTHIN is only recommended for use on the following varieties for which test results are available: Flordasun, Flordagold, Flordagem, Sungem, Sunred, Sunlite, and Sherman's Red.
- Addition of Hortiwet 370 Nonionic Wetter Spreader at 0.5L/100L will aid more even coverage and more consistent results. Over use of wetting agent can result in over thinning.

**MIXING:** Fill spray tank with approximately three-quarters of the water. Measure out the required amount of BIOTHIN and add to the tank. Add the remainder of the water with the agitator going.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used container. Biothin has low toxicity. It is not toxic to bees if used as directed. However exercise caution when using when bees are foraging and stop spraying if bee toxicity is seen.

NRA APPROVAL No: 54636/1001

Batch No:  
Date of Manufacture

IN AN EMERGENCY  
DIAL 000  
POLICE OR  
FIRE BRIGADE

STORAGE AND DISPOSAL

Keep out of reach of children. Store in closed, original container in a well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank or knapsack mix. 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, puncture and bury empty containers in a local authorized landfill site. If no landfill is available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Unused diluted material may be used as a plant fertiliser. Unwanted undiluted product may be diluted and also used as plant fertiliser.

SAFETY DIRECTIONS

**Causes skin irritation and serious eye damage.** Avoid contact with eyes and skin. When opening the container and preparing spray, wear gloves, goggles and disposable fume mask. If product in eyes, wash out immediately with water. After each days use, wash gloves and goggles.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Tel 13 11 26).

MATERIAL SAFETY DATA

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

HAZARD & PRECAUTIONARY STATEMENTS

**Harmful if swallowed and inhaled. Toxic to aquatic life.** Avoid breathing mist or spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.



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