

Product Name: NEMASOL
 APVMA Approval No: 67922/133798



Label Name:	NEMASOL
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	423 g/L METHAM PRESENT AS SODIUM SALT
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Mode of Action:	
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Statement of Claims:	PRE-PLANT TREATMENT FOR CONTROL OF SOIL-BORNE PESTS AS PER THE DIRECTIONS FOR USE TABLE
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Net Contents:	20 L - 1200 L
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Restrains:	DO NOT use by hand directed spraying including sprinkler can. DO NOT treat potting soil by loose mixed or via shredder. DO NOT use by flood irrigation or overhead sprinkler systems. DO NOT apply to a dry soil. DO NOT exceed rates specified DO NOT use in high winds. DO NOT apply in low humidity or when temperature is above 32°C.
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	
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Trade Advice:	
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General Instructions:	<p>GENERAL INSTRUCTIONS: MIXING: After mixing with water do not allow mixture to stand.</p> <p>APPLICATION: Soil should be carefully prepared in advance according to the directions given in tables. Cultivate the area thoroughly and break up clods. Loosen soil deeply one-week in advance of application. Soil should be kept moist until application and if soil has crusted in the meantime recultivate lightly. DO NOT apply in low humidity or when temperature is above 32°C. Soil temperature should be in the range 10-32°C to depth of 8 cm. Where fumes become unpleasant, spray with water to seal fumes in.</p> <p>INTERVALS FOR CULTIVATION AND PLANTING AFTER APPLICATION: Planting may take place 14-21 days after application if soil is light to medium texture, not excessively wet or cold. A minimum interval of 30 days is necessary where soil texture is heavy or high in organic matter, or is wet or soil is less than 15°C. A 60 day interval is required if application rate is greater than 1100L/ha. Cultivation should be carried out on wet, heavy soils to prevent crusting and promote drying, 5-7 days after application, and may be repeated when necessary. DO NOT mix treated soils with untreated soils. Sow an indicator crop to test that no toxic metham sodium remains in the soil, approximately 7 days before main crop. Lettuce or radish is suitable for this purpose because of their rapid germination process. Check for root damage which will indicate whether or not soil is still toxic.</p> <p>POTTING SOIL: Heavy potting soil or heavy field soil, including soils high in clay or organic matter, ensure that proper aeration and drying of the soil has taken place.</p>
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Resistance Warning:	
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Precautions:	<p>PRECAUTIONS: Workers previously experiencing skin or respiratory tract irritation from exposure to metham-sodium products should not work with metham-sodium products. After mixing with water do not allow mixture to stand as poisonous fumes are released on standing. Workers manually sealing should wear the personal protective clothing specified for applicators.</p> <p>RE-ENTRY PERIOD FIELD USE: DO NOT allow entry into treated areas for 48 hours. When prior entry is necessary, wear personal protective equipment specified for applicators. Clothing must be laundered after each day's use.</p> <p>GREENHOUSE APPLICATION, INCLUDING UNDER PLASTIC: DO NOT allow entry into treated areas for 7 days. When prior entry is necessary, wear personnel protective equipment specified for applicators. Clothing must be laundered after each day's use. Thoroughly ventilate greenhouses for 24 hours after removing plastic.</p>
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	<p>REHANDLING PERIOD - POTTING SOIL: Treated soil is to remain covered by plastic sheeting or similar material impermeable to MITC, for 7 days after treatment. When prior handling is necessary, wear personal protective equipment specified for applicators. Clothing must be laundered after each day's use.</p>
<p>Protections:</p>	<p>PROTECTION OF CROPS, NATIVE AND NON-TARGET PLANTS: DO NOT spray desirable plants and lawns and avoid spray drift. DO NOT apply within one metre of drip line of plants. DO NOT use in greenhouses where plants are present. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands and pastures.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT: DO NOT contaminate streams, rivers or watercourses with the chemical or the used containers.</p>
<p>Storage and Disposal:</p>	<p>Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Store in a safe place away from foodstuffs, seeds or fertilisers. DO NOT repack or use container for other purposes.</p> <p>Triple rinse container for disposal. Add rinsings to the 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 for appropriate disposal 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.</p>
<p>Safety Directions:</p>	<p>SAFETY DIRECTIONS Poisonous if absorbed by skin contact or swallowed. Harmful if inhaled. Will damage eyes, nose, throat and skin. Repeated exposure may cause allergic disorders. Product interacts with alcohol - avoid alcohol on day of use. Do not inhale vapour or spray mist. The fumes will first cause smarting, then watering of the eyes. This should be taken as a warning sign. The liquid can cause burns.</p> <p>Only store in a well ventilated area. When opening the container and preparing product for use, wear chemical resistant clothing buttoned to the neck and wrist, washable hat, elbow-length chemical resistant gloves, chemical resistant footwear and full facepiece respirator with organic vapour/gas cartridge or canister. Alternatively, to a full-face respirator wear goggles and a half facepiece respirator. When using the prepared product wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, chemical resistant footwear and full facepiece respirator with organic vapour/gas cartridge. Alternatively, to a full-face respirator wear goggles and a half face respirator.</p> <p>If clothing becomes contaminated with product, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product enters eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash, gloves, goggles, respirator and clothing. If respirator is rubber, wash with detergent and warm water contaminated clothing. DO NOT re-use footwear until thoroughly aired</p>
<p>First Aid Instructions:</p>	<p>If poisoning occurs contact a doctor or Poisons Information Centre (Telephone: Australia 13 11 26, New Zealand 0800 764 766). Avoid giving alcohol. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>

First Aid Warnings:	
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DIRECTIONS FOR USE

Situation	Pests Controlled	State	Rate	Critical Comments
Blueberries and <i>Rubus</i> spp. berries	Germinating weed seeds including: Winter Grass, Prince of Wales Feather, Fat Hen, Nematodes, Symphyliids (Not Tas) (Garden Centipede) and Fungus Diseases including: Rhizoctonia, Pythium, Fusarium, Phytophthora, Verticillium, Sclerotinia and Club Root for Crucifers	All States	250-800 L per treated ha	Use the higher rate for heavier soils. 5-8 weeks prior to planting, soil must be bed-formed with trickle tape and plastic mulch. Thoroughly wet soil to allow weed (seed) to germinate. Apply Nemasol to the moist soil by injecting into mainline using a suitable pump sufficient to wet entire root zone. Use a longer injection period for heavier soils. Flush all lines and equipment with clean water after use. Puncture plastic two weeks after treatment to allow dissipation of Nemasol. Heavy nematode infestation may require further treatment prior to second crop. ENSURE INJECTION CAPACITY CAN HANDLE LARGE RATES OR USE SPLIT APPLICATIONS.
Sites for Seedbeds Lawns and other limited areas			25-50L per 50L water per 1000m ²	SOIL INJECTION: Use the higher rate for heavier soils. Injection points or injection nozzles under a blade should be 12cm apart. 10-15cm deep in a well-prepared moist soil. Immediately after injection, compact the soil by rolling. Water lightly to prevent escape of gas. Repeat irrigation after 2-3 days for light soils or soils which crack or dry out quickly. Prevent run off.
			1.1L per 12L water per 10m ²	ROTARY TILLER: Spray or sprinkle diluted solution in front of tiller. Roll immediately to compact soil. Lightly water as above.
Field: Application to Total Area		NSW, Qld, SA, Vic, WA only	250-500L per 400-700L water per ha (250-500L/ha undiluted)	SOIL INJECTION: Use the higher rate for heavier soils. Follow water method for injection described above for Seedbeds.
			600-800L per 900-1100L water per ha	APPROVED ONLY FOR TRICKLE IRRIGATION SYSTEMS designed to apply agricultural chemicals as certified by the manufacturer and under plastic sheeting. Use the higher rate for heavier soils. Use system to give large droplet size. For shallow pests in the top 30cm or less of soil – run system for, 5-10 minutes. For next 10-20 minutes inject solution into irrigation system and continue watering until soil is wet as deep control is needed. Keep moist for 2-3 days for light soils or soils which crack or dry out quickly. For control deeper than 45 cm divide recommended dose into three equal parts and apply, at intervals during irrigation period.
			250-500L per 400-700L water per ha (250-500L/ha undiluted)	ROTARY TILLER: Spray or sprinkle diluted solution in front of tiller. Roll immediately to compact soil. Irrigate at once with enough water to seal the soil surface. Repeat irrigation after 2-3 days for light soils or soils that crack or dry out quickly.
Field: Application to Beds or Rows		All States	250-500L per 400-700L water per ha (250-500L/ha undiluted)	SOIL INJECTION: Use the higher rate for heavier soils. Solution may be injected into preformed beds or as a band treatment. Follow the instructions for injection above. For a wider treated band space two or more injection points at intervals of 12cm apart. All methods should be at a depth of 10-15cm.
			400-800L per 700-1000L water per ha (400-800L/ha undiluted)	BEDS- SOIL COVERING METHOD: Use the higher rate for heavier soils. Inject the drip into moist soil directly ahead of the bed shaper. Use sufficient water to ensure uniform application. Cover with 7-15cm of moist soil. Roll to compact soil immediately.
			250-500L per 400-700L water (250-500L/ha undiluted)	ROTARY TILLER: Spray or sprinkle diluted solution in front of tiller. Roll immediately to compact soil. Irrigate at once with enough water to seal the soil surface. Repeat irrigation after 2-3 days for light soils or soils that crack or dry out quickly.

Situation	Pests Controlled	State	Rate	Critical Comments
Field: Application to Beds or Rows (continued)	Germinating weed seeds including: Winter Grass, Prince of Wales Feather, Fat Hen, Nematodes, Symphyliids	Qld only	250-800L per treated ha	TRICKLE IRRIGATION: Use the higher rate for heavier soils. 5-8 weeks prior to planting soil must be bed-formed with trickle tape and plastic mulch. Thoroughly wet soil to allow weed (seed) to germinate. Apply Nemasol to the moist soil by injecting into mainline using a suitable pump sufficient to wet entire root zone. Use a longer injection period for heavier soils. Flush all lines and equipment with clean water after use. Puncture plastic 2 weeks after treatment to allow dissipation of Nemasol. Heavy nematode infestation may require further treatment prior to second crop. ENSURE INJECTION CAPACITY CAN HANDLE LARGE RATES OR USE SPLIT APPLICATIONS.
Potting Soil	(Not Tas) (Garden Centipede) and Fungus Diseases including:	All States	600mL per m ² soil mixture	CEMENT MIXER: Mix moist soil thoroughly, adding Nemasol to lidded mix in a well-ventilated area. Empty soil into a pile and cover with plastic sheeting to keep in gas.
			1.1L per 12L water per 10m ²	ROTARY TILLER METHOD: Smoothly spread the soil to a depth of not more than 20cm. Apply Nemasol over entire surface and till to maximum adjustable depth of tiller. Treat further layers as necessary and seal top layer with water.
Tobacco Plant Bed	Rhizoctonia, Pythium, Fusarium, Phytophthora, Verticillium, Sclerotinia and Club Root for Crucifers	NSW, Qld only	9.75L per 700- 900L water per 100m ²	TOBACCO SEED BED: Use the higher rate for heavier soils. Apply in Autumn through an approved irrigation system, sprayers or any suitable approved equipment. Follow instructions for seedbeds or plant beds. DO NOT treat tobacco plant beds by hand directed methods.
	Onion Weed	WA only	1.1L per 50L water per 5m ²	SPOT TREATMENT: Spray entire surface area using drenching nozzles.

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