

Product Name: TAMIFUME 365 SOIL FUMIGANT
APVMA Approval No: 67094/118272



Label Name:	TAMIFUME 365 SOIL FUMIGANT
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	365g/L METHAM present as the potassium salt
Mode of Action:	
Statement of Claims:	Pre-planting treatment for control of soil-borne pests in ornamentals, food and fibre crops, tobacco and control of certain weeds, nematodes symphylids and fungus diseases, onion weeds (WA only)
Net Contents:	200L, 1000L
Restrains:	DO NOT apply to 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.
Directions for Use:	
Other Limitations:	PROHIBITIONS: DO NOT USE BY HAND DIRECTED SPRAYING INCLUDING SPRINKLER CAN. DO NOT TREAT POTTING SOIL BY LOOSE MIXED METHOD OR VIA SHREDDER. DO NOT USE BY FLOOD IRRIGATION OR OVERHEAD SPRINKLER SYSTEMS.
Withholding Periods:	

Trade Advice:	
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General Instructions:	
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Resistance Warning:	
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Precautions:	<p>PRECAUTIONS Workers previously experiencing skin or respiratory tract irritation from metham exposure should not work with metham 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>RE-ENTRY PERIOD- GREENHOUSE APPLICATION, INCLUDING UNDER PLASTIC DO NOT allow entry into treated areas for 7 days. When prior entry is necessary, wear personal protective equipment specified for applicators. Clothing must be laundered after each day's use. Thoroughly ventilate greenhouse for 24-hours after removing plastic.</p> <p>RE-ENTRY 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>
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Protections:	<p>PROTECTION FOR CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT spray desirable plants and lawns and avoid spray drift. DO NOT apply within 1 meter 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 waterways with the chemical or used containers.</p>
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Storage and Disposal:	<p>STORAGE AND DISPOSAL: 200L Store in the 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 tank mix. DO NOT dispose of undiluted chemicals onsite. 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 500mm 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. Refillable Containers (1000 L only)</p>
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For Official Use Only

	Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.
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Safety Directions:	<p>Harmful if inhaled or swallowed. Poisonous if inhaled. Will damage the eyes, nose, throat and skin. Repeated exposure may cause allergic disorders. Interacts with alcohol – avoid alcohol on day(s) of use. Do not inhale vapour or spray mist. The fumes first cause smarting, then watering of eyes. This should be taken as a warning sign. The liquid can cause burns. Use and store in a well ventilated areas. When opening the container and preparing product for use, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, chemical resistant footwear, a full face-piece respirator with organic vapour/gas cartridge or canister (or goggles and half face-piece respirator with organic vapour cartridge or canister). When using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, chemical resistant footwear, a full face-piece respirator with organic vapour/gas cartridge or canister (or goggles and half face-piece respirator with organic vapour cartridge or canister).</p> <p>If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or vapour on skin, immediately wash area with soap and water. If product or vapour in 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 if rubber wash with detergent and warm water and contaminated clothing. Do not re-use footwear until thoroughly aired.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 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>
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First Aid Warnings:	
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DIRECTIONS FOR USE

Situation	Pest Controlled	State	Rate	Critical Comments
Sites for Seed beds, Lawns and other limited areas	Germinating Weed Seeds including Winter Grass. Prince of Wales Feather, Fat Hen, Nematodes, Fungus Diseases including Rhizoctonia. Pythium,	All States	30-60L per 60L water/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. ROTARYTILLER: Spray in front of tiller. Roll immediately to compact soil. Lightly water as above 1.3L per 12L water/10m ²
			1.3 L per 12 L water/10m ²	
Field: Application to Total Area	Fusarium, Phytophthora, Verticillium, Sclerotinia and Club Root of Crucifers	NSW, Qld, SA. Vic, WA only	290-580 L per 400- 700L water/ha OR 290-580 L/ha (undiluted)	SOIL INJECTION: Use the higher rate for heavier soils. Follow method for injection described under seedbeds.
				ROTARYTILLER: Spray 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	Germinating Weed Seeds including Winter Grass, Prince of Wales Feather, Fat Hen, Nematodes, Symphylids (Not Tas.) (Garden Centipede), Fungus Diseases including Rhizoctonia, Pythium, Fusarium, Phytophthora, Verticillium, Sclerotinia and Club Root of Crucifers	All States	465-930L per 700-1000L water/ha OR 465-930 L/ha (undiluted)	SOIL INJECTION: Use the higher rate for heavier soils. Solution may be injected into pre-formed beds or as a band treatment Follow the instructions for injection above. For a wider treated band space use two or more injection points at intervals of 12cm apart. All methods should be at a depth of 10-15cm.
				BEDS- SOIL COVERING METHOD: Use the higher rate for heavier soils. Inject or drip into moist soil directly ahead of the bed shaper. Use sufficient water to ensure uniform application. Cover with 7- 15 mm of moist soil. Roll to compact immediately.
				ROTARY TILLER: Spray 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.
		Qld only	290-930 L 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 Tamifume 365 to moist spoil by injecting into mainline using 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 Tamifume 365. Heavy nematode infestation may require further treatment prior to second crop. ENSURE INJECTION CAPACITY CAN HANDLE LARGE RATES OR USE SPLIT APPLICATIONS

Situation	Pest Controlled	State	Rate	Critical Comments
Potting Soil	Germinating Weed Seeds including Winter Grass, Prince of Wales Feather, Fat Hen, Nematodes, Symphylids (Not Tas.) (Garden Centipede), Fungus	All States	695 mL per m ² soil mixture	CEMENT MIXER: Mix moist soil thoroughly, adding Tamifume 365 to lidded mixer in well-ventilated area. Empty soil into a pile and cover with plastic sheeting to keep in gas.
			1.3 L per 12 L water/10m ²	ROTARY TILLER: Spread soil more water per 10m ² depths of 20cm. Apply Tamifume 365 soil fumigant 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	Diseases including Rhizoctonia, Pythium, Fusarium, Phytophthora, Verticillium, Sclerotinia and Club Root of Crucifers	NSW, Qld, VIC only	11.3 L per 700-900 L water/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 hand directed methods.
	Onion Weed	WA only	1.3 L per 50 L water/5m ²	SPOT TREATMENT: Spray entire surface area using drenching nozzles.

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

GENERAL INSTRUCTIONS

Mixing

If mixing with water apply immediately and do not allow mixture to stand overnight.

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 re-cultivate 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 8cm. Where fumes become unpleasant spray with water to seal fumes in.

After Application:

Planting may take place 14-21 days after application if soil is light medium texture, if 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 or 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 soil fumigant 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.