Filename: 34036_41315_20_Label_MPL_001.pdf. Dimensions: 280mm x 400mm. Scale: A4 - 66%; A3 - 98%. Date: 9 March 2007

POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Infopest ✓ Verified

APPROVED LABEL

Basamid®

Granular Soil Fumigant

ACTIVE CONSTITUENT: 940 g/kg DAZOMET

For the control of nematodes, soil inhabiting insects, soil fungi and germinating seeds of weeds as per the DIRECTIONS FOR USE table.

20 kg

DIRECTIONS FOR USE

RESTRAINTS: Do NOT use when soil temperature exceeds 32 °C
Do NOT apply to dry soil

SITUATION	PEST	RATE	DEPTH OF INCORPORATION	METHOD OF APPLICATION	CRITICAL COMMENTS
Seed beds, broadacre	Germinating seeds of weeds	35 g/m² or 350 kg/ha (Increase rate by 17 g/m² for each 10 cm extra depth)	10 to 15 cm	**1.** Break up soil to the depth of fumigation 5 to 7 days before applying granules, removing plant residues and undecomposed roots. **2.** Ensure soil is moist for the 5 to 7 days before application of granules. Irrigate if necessary. **3.** Cultivate soil to a fine tilth. **4.** Spread granules evenly over surface at the recommended rates. **5.** Incorporate thoroughly immediately to recommended depth. **6.** Seal surface by covering with plastic sheets, or by irrigating with 20 L water/m² to form a surface crust, or by rolling. **7.** Aerate soils where possible by: a) piercing holes into plastic sheeting where it is to remain covering the soil, b) removing plastic, and cultivating to a depth slightly less than that to which the granules were incorporated. **8.** Conduct a germination test 2 to 6 weeks after aeration to ensure no gas residues remain. Once gases have escaped, planting or sowing may take place. Details of the Germination Test are in General Instructions. ***Note:*** Do NOT plant into soil until a positive Germination Test has been conducted.	Organic matter such as plant roots may delay decomposition of BASAMID. Moisture is essential for BASAMID to decompose into gases that kill pests. Lumpy soil prevents even distribution of gases. Spreading granules assists even distribution across the soil profile. Thorough incorporation of granules ensures even distribution of fumigating gases. Optimum results are obtained using plastic sheeting. Without plastic sheeting, a reduction in the level of control can be expected. Where soil temperatures are greater than 20 °C or soils are of a light sandy type that do not crust, plastic sheeting should be used to seal the soil. Usually aeration can take place 5 to 7 days after incorporation. If soil temperature falls below 10 °C, wait 14 days. On heavy soils or in cold weather, extra cultivation may be necessary to aerate the soil adequately. Gas residues will cause crop damage. Wait 2 to 3 weeks before conducting germination test if soil temperature is around 20 °C. Wait 3 to 6 weeks if soil temperature is around 10 °C (See Germination Test under General Instructions).
	Soil fungi including: *Pythium, Phytophthora, Sclerotinia, Sclerotium, Rhizoctonia, Verticillium, Plasmodiophora Armillaria and Fusarium* spp. causing root rot and wilt, clubroot, and damping off of ornamentals, vegetables and seedling plants. Soil insects and non-cyst forming nematodes.	50 g/m² or 500 kg/ha (Increase rate by 17 g/m² for each 10 cm extra depth)	20 to 23 cm		
	Cyst forming nematodes soilfungi and other pests below 23 cm	60 to 70 g/m² or 600 to 700 kg/ha (Increase rate by 17 g/m² for each 10 cm extra depth	30 cm		
Bulk soil	Germinating seeds of weeds. Soil fungi including: *Pythium, Phytophthora, Sclerotinia, Sclerotium, Rhizoctonia, Verticillium, Plasmodiophora, Armillaria* and *Fusarium* spp. causing root rot and wilt, clubroot, and damping off of ornamentals, vegetables and seedling plants. Soil insects and non-cyst forming nematodes.	150 to 220 g/m³		**1.** Ensure soil is moist 5 to 7 days before application. **2.** Mix granules thoroughly at recommended rates. Use soil blending equipment or treat soil with BASAMID in 10 cm layers mixing with hoe or a fork. Treat additional layers on top of layers already treated, to form one heap of treated soil. **3.** Seal soil with plastic sheets or store soil in sealed bins. **4.** Aerate soil 5 to 7 days after treatment. If soil is not to be used within 6 weeks of treatment aeration may not be necessary. **5.** Wait 2 to 4 weeks after aeration to allow gases to escape before considering planting. **6.** Before planting, conduct a germination test to ensure all gas residues have escaped before using soil. ***Note:*** Do NOT plant into soil until a positive Germination Test has been conducted.	Moisture is essential for BASAMID to decompose into gases that kill pests. Thorough mixing is essential for even distribution of fumigating gases. If soil is dry, water may be added while mixing. It is essential to prevent gases escaping to enable them time to take effect. If soil temperature falls below 10 °C wait 14 days before aerating. Re-mixing of the soil will help aerate the soil. Gas residues will cause crop damage. (See Germination Test under General Instructions).

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WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

MODE OF ACTION

When the granules come in contact with warm, moist soil, they release gases. These gases kill actively respiring nematodes, fungi, insects and weeds, but must be kept sealed in the soil long enough to complete the fumigating process. After these gases have sterilised the soil, they must be completely dissipated before the crop can be planted.

APPLICATION

1. Granules may be spread by gloved hand or with an accurate drop spreader to moist soil.
2. Incorporate preferably with a rotary hoe or with a hand hoe.
3. Seal soil surface, preferably with plastic sheeting.
4. Use clean implements to aerate soil to avoid contamination.
5. Do NOT enter glasshouses for 7 days after application unless wearing personal protective equipment specified for applicators with goggles and a half face respirator with organic vapour/gas cartridge.
6. Conduct a successful Germination Test before planting.

PRECAUTIONS

Workers previously experiencing skin or respiratory tract irritation from dazomet or metham-sodium exposure should not work with DAZOMET PRODUCTS. Workers performing manual water-sealing and plastic sealing should wear the personal protective clothing specified for applicators plus a respirator with organic vapour/gas cartridge and goggles.

RE-ENTRY PERIOD

Field Uses: Do NOT allow entry into treated areas for 48 hours after application. When prior entry is necessary, wear personal protective equipment specified for applicators. Clothing must be laundered after each day's use.

Greenhouse Application, Including Under Plastic:

Do NOT allow entry into treated areas for 7 days after application. When prior entry is necessary, wear personal protective equipment specified for applicators with goggles and a half face respirator with organic vapour/gas cartridge. Clothing must be laundered after each day's use. Thoroughly ventilate greenhouses for 24 hours after removing plastic.

RE-HANDLING PERIOD

Potting soil: Treated soil is to remain covered by plastic sheeting or similar material impermeable to MITC (the active gas produced by dazomet), for 7 days after treatment. When prior handling is necessary, wear personal protective equipment specified for applicators with goggles and a half face respirator with organic vapour/gas cartridge. Clothing must be laundered after each day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Do NOT sow or plant until Germination Test indicates soil is free of fumigating gases. Do NOT apply within 60 to 90 cm of plants or of the root zone of trees or shrubs. If slopes are treated take precautions that the chemical is not washed down to growing plants. If using BASAMID in a confined area (eg. glasshouses), no growing plants should be within that area, or share the same air supply. If soils contain a high proportion of organic matter (eg. plant residues, peat, moss, etc.), the residues of BASAMID may take longer than normal to disappear. To ensure that conditions are suitable to plant, apply the Germination Test.

GERMINATION TEST

To ensure that the soil is free from BASAMID gases and planting can begin, it is essential that a Germination Test is made on the treated soil.

1. At several places in the treated area, scrape the surface soil aside and quickly place a sample of soil in a jar. Do NOT take soil from below the depth of incorporation. When the jar is three-quarters full it should be immediately sealed.
2. Three-quarters fill a second jar with untreated soil and replace the lid.
3. Put cress or lettuce seeds on moist cotton pads or moist filter paper and place in jars. Immediately replace the sealing lids.
4. Place the jars in a room with a temperature around 20 °C.
5. After 48 hours, check whether the seeds have germinated. If the seeds have germinated in the jar with the untreated soil but not in the jar with the treated soil, the toxic gases have not yet escaped and the soil should be worked again for aeration.
6. If the seeds with the treated soil germinate normally the soil is clear and planting can proceed.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT contaminate streams, rivers and waterways with product or used container.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do NOT store for prolonged periods in direct sunlight. Shake container empty onto treated area. Destroy empty containers by breaking, crushing or puncturing them. Dispose of the containers at a local authority landfill readily available in your area, or bury the containers at a depth of 500 mm or more at a licensed/ approved disposal site. In some States wastes can only be buried at a licensed landfill. Do NOT burn empty containers or product.

SAFETY DIRECTIONS

Product is poisonous if swallowed. Will irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin. Do NOT inhale dust. The fumes first cause smarting, then watering of eyes. This should be taken as a warning sign. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow length (nitrile, neoprene) gloves and chemical resistant footwear. If product on skin, immediately wash area with soap and 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 and contaminated clothing. Do NOT re-use footwear until thoroughly aired.

FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet.

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

This product as supplied is of a high grade and believed to be suitable for any purpose for which it is expressly recommended and must be used in accordance with the directions for use given on the label. No responsibility is accepted in respect of this product, save those non-excludable conditions implied by any Federal and State legislation or law of a Territory.

Certis Australia Pty Ltd
24 De Little Circuit
Greenway, ACT 2900
Telephone: 0417 770 958

THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

FOR 24 HOUR SPECIALIST ADVICE IN
EMERGENCY ONLY
PHONE – 0417 770 958

Batch No.:

Date of Manufacture:

CERTIS

APVMA Approval Number: 34036/20/1206 - KST BA Australia 092006 - 81026623AU002617

Filename: 34036_41315_600_Label_MPL_001.pdf. Dimensions: 280 mm x 400 mm. Scaling: A4 - 66%, A3 - 98%. Date: 9 March 2007

POISON

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ACTIVE CONSTITUENT: 940 g/kg DAZOMET

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600 kg

DIRECTIONS FOR USE
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