

**BASAMID® GRANULAR**

**SOIL FUMIGANT**

For the control of soil-borne nematodes, soil fungi, and germinating weed seeds. It is suitable for the fumigation of open land and all kinds of seedbeds for nurseries and greenhouses.

**COMMERCIAL (AGRICULTURAL)**

**GUARANTEE:** Dazomet ..... 97%

**REGISTRATION NO. 15032      PEST CONTROL PRODUCTS ACT**

**IN CASE OF EMERGENCY INVOLVING A POISONING CALL 1-800-267-1373  
IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR FIRE  
CALL 1-519-826-7878**



**DANGER**

**POISON**

**NET CONTENTS:** 20 kg

**READ ENTIRE LABEL BEFORE USING.  
KEEP OUT OF REACH OF CHILDREN.**

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416-947-3873

**BASAMID®** is a registered trademark of Kanesho Soil Treatment BVBA/SPRL.

## **DIRECTIONS FOR USE:**

### **Crops:**

Vegetable seedbeds (field, greenhouse) for eggplant, lettuce, pepper, tomato.

Tobacco seedbeds - fall treatment only (greenhouse).

Forest nurseries, seed or propagation beds (field, greenhouse) for conifer, deciduous, ornamentals.

Annual flower beds (field, greenhouse).

Turf seedbeds.

Ginseng seedbeds.

On contact with moist soil the active ingredient of **BASAMID GRANULAR** breaks down and releases toxic gases which spread in the air phase of the soil. These gases control unencysted nematodes, soil fungi and most germinating weed seeds commonly found in soil and mixtures of soil and peat used in seedbeds.

## **SOIL PREPARATION BEFORE TREATMENT:**

Soil to be treated with **BASAMID GRANULAR** should be well prepared, in seedbed condition having a fine tilth and free from clods. It should be free from undecomposed roots and plant residues. Soil moisture level must be suitable for seed germination **for a 5 to 7 day period** prior to treatment. Water the soil as necessary to achieve and maintain this level.

## **APPLICATION:**

Apply **BASAMID GRANULAR** evenly over the soil with a fertilizer spreader or other suitable equipment. It may be applied by hand if rubber gloves are worn. Even distribution is essential and therefore application equipment should be calibrated. Avoid breathing any dust.

**DO NOT APPLY BY AIR.**

## **RATE:**

Use 3.25 to 5 kg per 100 sq. metres of area to be treated.

## **INCORPORATION:**

**BASAMID GRANULAR** must be thoroughly and evenly incorporated into the soil to a depth of 15 to 23 cm immediately after application. This is best achieved using a rotary cultivator or rototiller equipped with L-shaped tines. The rotor speed should be high and the forward speed low.

### **SEALING OF TREATED SOIL:**

As soon as possible after incorporation, the soil should be sealed to retain the maximum concentration of gases in the soil. This can be done by:

- a) compacting the surface with a roller. The surface should be firm and free from cracks and remain so for the duration of fumigation. To avoid surface cracks in hot weather, water the soil as required.
- b) flooding the soil surface with water to obtain a surface crust. Ten to twenty litres of water per sq. metre are required. Surface compaction as in (a) and flooding can be combined.
- c) covering the treated area with a polyethylene sheet and sealing the edges with soil. This method will allow the effective gases to act more efficiently on disease agents and weed seeds immediately below the soil surface and thus increase the effectiveness of **BASAMID GRANULAR**.

### **AERATION OF SOIL:**

**ALL TRACES OF TOXIC GASES MUST DISAPPEAR FROM THE TREATED SOIL BEFORE PLANTING OR SOWING, OTHERWISE PLANT DAMAGE OR KILL MAY RESULT.**

At warm soil temperatures (above 18°C at 10 to 15 cm.) the soil may be opened five to seven days after the **BASAMID GRANULAR** application. This can be done with a rototiller, disc harrow or hand tools. The soil should be worked to the depth of incorporation of **BASAMID GRANULAR**, but no deeper. At the next step about 2 days later, the SAFETY GERMINATION TEST must be carried out.

At cooler temperatures (below 8°C to 12°C) the soil should not be worked for 2 to 4 weeks after application and the waiting period after opening the soil should be 10 to 15 days.

When soil temperatures are below 6°C **BASAMID GRANULAR** should not be used.

Potting soil must also be aerated.

When aerating greenhouses, provide adequate ventilation and be sure exhaust fumes do not flow over growing plants.

Use only disinfected clean equipment when opening treated soils. This helps prevent the introduction of plant pests to the treated area. The same is true for footwear as well.

### **WAITING PERIOD:**

The interval between treatment and planting depends on the temperature, moisture and structure of the soil. For medium soils, general recommendations as follows can be made.

<b>Soil Temperature at a depth of 10 cm</b>	<b>Period between treatment and planting</b>
Over 18°C	10 - 12 days
15 - 18°C	12 - 18 days
12 - 15°C	18 - 25 days
8 - 12°C	25 - 30 days
6 - 8°C	30 - 40 days

**NOTE: DO NOT USE TREATED SOIL UNTIL THE SAFETY GERMINATION TEST HAS BEEN CARRIED OUT AND HAS SHOWN THE SOIL TO BE SAFE TO USE.**

### **SAFETY GERMINATION TEST:**

This must be carried out to establish when it is safe to use any soil following treatment with **BASAMID GRANULAR**.

Take a minimum of six random samples from the treated area of potting compost.

For large areas, take 15 samples for each hectare. These samples must be representative of the whole area and the depth of soil treated. Where the area treated is large, the samples may be bulked, then well-mixed and resampled. Samples should be taken down to the depth at which incorporation was made.

Put the soil into glass jars or similar non-porous containers. These should be about half filled. Level the soil, moisten if necessary, add moistened cotton pads or filter paper and sprinkle with cress seed. Carefully seal the top of the jars with screw tops or polyethylene held on with rubber band. Prepare a similar test sample using untreated soil. Place the jars in a warm room where germination should occur in approximately 48 hours, at which time they should be checked.

If there is any suppression of germination or discolouration of sprouting cress in the treated soil when compared with the untreated sample, fumes are still present and the time before planting should be extended for a further few days. An additional aeration may help speed up removal of the gases from the soil.

Repeat the SAFETY GERMINATION TEST until the cress seeds germinate evenly in all the jars. It is then safe to plant in the soil.

### **SPECIAL INSTRUCTIONS - TOBACCO GREENHOUSES:**

Treat tobacco greenhouses with **BASAMID GRANULAR** only in the fall, preferably before mid October.

Dry muck is difficult to wet and particular care should be taken to ensure that the muck is moist to the full depth of treatment for 5 to 7 days before treatment.

The depth of incorporation should be 10 to 13 cm., but will depend on the depth of the muck layer.

**DO NOT INCORPORATE DEEP ENOUGH TO MIX SAND WITH THE MUCK.**

The preferred method of sealing the soil is to use polyethylene sheets. Two to three weeks after treatment, remove the plastic sheets, aerate the soil and carry out the SAFETY GERMINATION TEST. If necessary, repeat the aeration and germination test until cress seeds germinate evenly.

To prevent weed seeds from blowing onto the treated soil, the plastic sheets may be replaced after the aeration and germination tests.

**WARNING:**

**BASAMID GRANULAR** is toxic to all growing plants. For applications outside, do not apply within one metre of growing plants or closer than the drip line of trees and large shrubs. If slopes are treated, take precautions to prevent the chemical from washing down close to growing plants.

In greenhouses and cold frames, remove all plants before treating with **BASAMID GRANULAR** and do not re-introduce plant material until the soil has been aerated and the SAFETY GERMINATION TEST has shown the soil to be safe to use.

When using **BASAMID GRANULAR**, and when ventilating greenhouses after use, ensure that the toxic vapours from the treated house do not enter adjacent or adjoining houses, or damage to plants may occur. Doors and windows separating houses should be tightly sealed by additional plastic or similar material.

Our data is not complete for the use of **BASAMID GRANULAR** to fumigate propagating bed materials other than soil or soil-peat mixtures.

Our data is also not complete on the use of **BASAMID GRANULAR** treated soil for covering Hydrangea plants during dormant periods. Do not use for such, or similar purpose.

For best results, do not use manure or lime shortly before, during or immediately after the application of **BASAMID GRANULAR**.

Clean application equipment with water after use with **BASAMID GRANULAR** before using for other purposes.

## **PRECAUTIONS:**

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally.
3. Avoid inhalation of vapour, dust, or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Do not smoke while using.
6. Wear protective equipment and clothing, including goggles or face shield, approved respirator, gloves (rubber, PVC, neoprene or nitrile), hat, long-sleeved shirt, trousers and rubber boots.
7. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
8. After treatment with **BASAMID GRANULAR**, greenhouses must be thoroughly aired before entering or working in them.
9. Clean equipment thoroughly after use.
10. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: [www.croplife.ca](http://www.croplife.ca).

## **FIRST AID:**

### **IN CASE OF EYE CONTACT:**

Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IN CASE OF SKIN OR CLOTHING CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

### **IF SWALLOWED:**

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

### **IF INHALED:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**STORAGE:**

1. Store in original, tightly-closed container.
2. Do not ship or store near food, feed, seed or fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Keep away from moisture and temperatures above 50<sup>0</sup>C.

**DISPOSAL:**

1. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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