TRIGGER® 3  
MAPP 14304  
A pelleted bait formulation containing 3 % w/w metaldehyde for the useful control of slugs and snails and reduction in plant damage in all agricultural and horticultural crops.

15kg

For Batch Number and Manufacturing Date see packaging

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK

SAFETY PRECAUTIONS

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.  
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the product, applying by hand or hand-held equipment and when handling contaminated surfaces.  
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.  
WASH HANDS before meals and after work.

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.  
DANGEROUS TO GAME, WILD BIRDS AND ANIMALS, all spillages must be buried or removed.  
KEEP POULTRY OUT of treated areas for at least 7 days after treatment.

Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.  
EMPTY CONTAINER COMPLETELY and dispose of safely.
IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL MOLLUSCIDICIDE

<table>
<thead>
<tr>
<th>Crops/ situations</th>
<th>Maximum individual dose (kg product/ha)</th>
<th>Maximum total dose (kg product/ha)</th>
<th>Latest time of application</th>
</tr>
</thead>
<tbody>
<tr>
<td>All non edible crops (around), amenity grassland, managed amenity turf, natural surfaces not intended to bear vegetation</td>
<td>11.7</td>
<td>23.4</td>
<td>-</td>
</tr>
<tr>
<td>All edible crops (around) Potato</td>
<td>11.7 (except potato and cauliflower)</td>
<td>23.4</td>
<td>-</td>
</tr>
<tr>
<td>Potato</td>
<td>11.7</td>
<td>23.4</td>
<td>7 days before harvest</td>
</tr>
</tbody>
</table>

Other specific restriction:
Applications must not be made to cauliflower.
The maximum total dose of metaldehyde must not exceed 700 g active substance/ha/year.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

TRIGGER 3
A pelleted bait formulation containing 3 % w/w metaldehyde

Keep out of reach of children.
Keep away from food, drink and animal feeding stuffs.
When using do not eat, drink or smoke.
In case of accident or if you feel unwell, seek medical attention immediately (show the label where possible).

To avoid risks to man and the environment, comply with the instructions for use.

PROTECT FROM FROST, store in a dry, cool, frost-free ventilated area.

This label is compliant with the CPA Voluntary Initiative Guidance.
DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Restrictions/Warnings

DO NOT apply before heavy rainfall, which may reduce the persistence of the granules. Late application of pellets to broad-leaved plants may result in lodging of the pellets in foliage. Care should be taken to avoid this when making applications to edible crops.

Animal Safety Note - Keep dogs out of field during application. When the applicator stops/starts, ensure no small heaps of pellets from the spouts or spreading mechanism are left on the soil surface because these may be consumed to excess by dogs and other animals. Spillages must be buried or removed.

Control

TRIGGER 3 CONTROL PROGRAMME
Complete control of slugs/snails is difficult to achieve with any type of molluscicide so some crop loss may occur especially in wet seasons but best control is achieved by a programme of good husbandry and properly timed applications of a pellet bait such as Trigger 3.

STEP 1: GOOD HUSBANDRY

Observe and, where possible, practice the following husbandry to reduce the overall population of slugs and snails.
- Drill cereals as early as possible to avoid attack.
- Remove straw after cereal harvest. Incorporate organic debris deep into the soil.
- Plough or cultivate during dry conditions to reduce the slug population.
- Prepare a fine seedbed with a firm tilth because slugs/snails do not burrow through the ground but make their way down through cracks or openings in the soil.
- Consider additional rolling operations on weathered tilth where the action of the roller will crumble the soil and provide good consolidation.
- If possible, try to avoid drilling susceptible crops in fields at risk. Such fields include those carrying leafy brassicas in the previous year; where heavy straw residues remained after harvest; heavier soils or fields known to carry a high slug/snail population.
- Increase cereal seed rates by 10-20% if heavy damage is anticipated.
- Lift potatoes as soon as they mature because damage can increase rapidly in the autumn.

STEP 2: APPLICATIONS OF TRIGGER 3

The first application of Trigger 3 is usually made as a preventative measure as specified in the table but, especially in wet seasons, follow-up applications may be required. To establish the need for pellet application on winter wheat or winter oilseed rape, monitor for slug activity. Where bait traps are used, use a foodstuff attractive to slugs e.g. chicken layers mash which has proven to be particularly effective. DO NOT use slug pellets in traps in these crops since they are a potential hazard to wildlife and pets.

For crops other than winter wheat and winter oilseed rape, assessment by test baiting will indicate when slugs are surface-active and if conditions are suitable for further treatment.

For further information on slug trapping and damage risk assessment, please refer to HGCA Topic Sheets No. 84 (winter wheat) and 85 (winter oilseed rape), available from the HGCA website (www.hgca.com).

Crops

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pest</th>
<th>Method of Application</th>
<th>Timing</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cereals</td>
<td>Slugs</td>
<td>Broadcast the pellets as evenly as possible through any suitable granule or fertiliser applicator.</td>
<td><strong>Pre-drilling/emergence</strong>: Ideally apply to prepared seed bed and leave 2-4 days before drilling. Otherwise, apply immediately after drilling. <strong>Post-emergence</strong>: Apply as soon as damage is seen or as indicated by test baiting as detailed above.</td>
<td>11.7 kg/ha</td>
</tr>
<tr>
<td>Crop Type</td>
<td>Pests</td>
<td>Method</td>
<td>Application Period</td>
<td>Rate</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Brassicas Oilseed rape, Cabbage</td>
<td>Slugs, Snails</td>
<td>Broadcast the pellets as evenly as possible through any suitable granule or fertiliser applicator.</td>
<td>Applicable pre-emergence and post-emergence.</td>
<td>11.7 kg/ha</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Broadcast evenly over the soil surface shortly after drilling. For cabbage, a later application may be required over the crop to prevent pests entering the hearts or curds. It is important to apply pre-hearting to prevent pellets being lodged in the hearts or curds. Varieties of oilseed rape low in glucosinalates can be more acceptable to slugs than &quot;single low&quot; varieties. The efficacy of Trigger 3 to these varieties has not been established.</td>
<td>Note: Do not apply to cauliflower.</td>
<td>11.7 kg/ha</td>
</tr>
<tr>
<td>Grassland</td>
<td>Slugs, Snails</td>
<td>Broadcast evenly over soil or crop through any suitable granule or fertiliser applicator.</td>
<td>Before drilling/emergence: Ideally apply and leave for 2-4 days before drilling. Failing this, apply just before or after drilling. Post-emergence: Apply as soon as damage is seen even though a pre-emergence application may have been applied.</td>
<td>11.7 kg/ha</td>
</tr>
<tr>
<td>Potatoes</td>
<td>Slugs, Snails</td>
<td>Broadcast the pellets evenly over the soil surface through any suitable granule or fertiliser applicator.</td>
<td>Best results are achieved when pests are actively feeding following a period of light rain from mid-July to August. Under conditions where heavy attack is likely to occur, re-apply 2-3 weeks later or sooner if test baiting shows the necessity.</td>
<td>11.7 kg/ha</td>
</tr>
<tr>
<td>Other agricultural and horticultural crops and all non edible crops (around)</td>
<td>Slugs, Snails</td>
<td>Broadcast the pellets evenly over the soil surface through any suitable granule or fertiliser applicator.</td>
<td>When slugs and snails are active and preferably before crop damage occurs.</td>
<td>11.7 kg/ha</td>
</tr>
</tbody>
</table>

**Note:** Late application of pellets to broad-leaved plants may result in lodging of the pellets in foliage. Care should be taken to avoid this when making applications to edible crops.

The maximum total dose must not exceed 23.4 kg product/ha/year. In high risk situations, where additional treatments against slugs are necessary beyond the permissible 700 g metaldehyde/ha/year total dose, use an alternative slug control product not containing metaldehyde.
COMPANY ADVISORY INFORMATION

Slug pellets are pesticides, keep pesticides out of water
  o Pellets should not fall within 5m of the top of the bank of a watercourse or ditch. To achieve this, users should determine the spread width of the applicator with the product to be applied prior to any application (to the rear as well as the side of the applicator).
    ▪ Calibrate your applicator before use
    ▪ Fill and clean application equipment in the field.
    ▪ Do not fill or clean down in the yard
  o Avoid applying slug pellets when heavy rain is forecast.
  o Check that product packaging is intact and clear up spillages immediately.

Section 6 of the Health and Safety at Work Act
Additional Product Safety Information
(This section does not form part of the product label under the Control of Pesticide Regulations 1986)
The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has “off-label” approval or is otherwise permitted under the Control of Pesticides Regulations.

The information on this label is based on the best available information including data from test results

Safety Data Sheet

1. Identification of the product and the company

<table>
<thead>
<tr>
<th>Substance</th>
<th>Value(s)</th>
<th>CAS nr/EINECS nr/EC index</th>
<th>Symbol(s)</th>
<th>R-Phrase(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metaldehyde</td>
<td>3 %</td>
<td>106-62-3 / 203-600-2 / 605-005-00-7</td>
<td>Xn</td>
<td>10-22</td>
</tr>
</tbody>
</table>

Rat oral LD50 (mg/kg): < 200
Percutaneous (rat) LD50 (mg/kg): > 4000
Rat inhalation LC50 (mg/l/4h): > 15
LC50-96 H – Rainbow trout (mg/l): 75
EC50-48H-Daphnia magna (mg/l): > 90
IC50-72H-Algae (mg/l): 73.5

2. Information on ingredients

3. Hazard identification

4. First-aid measures

Effects and symptoms
General : Can enter the body by ingestion or inhalation or (less) through the skin.
Inhalation : Cough. Sore throat.
Skin contact : May be irritating.
Eye contact : Irritation, Redness. Pain.

First-aid measures
General information : Treat symptomatically. If you feel unwell seek medical advice (show the label where possible).
Inhalation : Remove victim to fresh air. Allow the victim to rest. Seek medical attention if ill effect develops.
Ingestion : Wash out mouth with plenty of water. Allow the victim to rest. Never give anything by mouth to an unconscious person. Induce vomiting. Seek medical attention immediately.
Skin contact : Remove contaminated clothing and shoes. Wash skin with water. Seek medical attention if ill effect or irritation develops.
Eye contact : Remove contact lenses if present. Rinse immediately with plenty of water, with the eyelid open for at least 15 minutes. Seek medical attention if ill effect or irritation develops.
Note to physician : This material may affect the nervous system.

5. Fire-fighting measures
Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Hazardous thermal : Burning may produce: toxic and corrosive vapours/gases.
(de) composition products : See also Heading 10 (Stability and Reactivity).
Protection of fire-fighters : Wear suitable protective clothing. Self-contained breathing apparatus with full face shield. Fight fire from safe distance and protected location.

6. Accidental Release Measures
Personal precautions : Ventilation required. In the event of major spillage evacuate room. Wear suitable protection.
Methods of cleaning up : Prevent dispersion. Sweep or shovel spills into appropriate container for disposal. Prevent formation of clouds of dust.
After spillage and/or leakage : Remove as chemical waste, according to national or local legislation.

7 Handling and storage
General : Read label before use
Handling : Prevent formation of clouds of dust. Do not breathe dust. Wear suitable protection.
Storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in a frost-free, dry, cool, well-ventilated area according to national or local legislation.
Packaging material : Use original packaging.

8. Exposure controls/personal protection
Engineering measures : Provide adequate ventilation to minimise dust and/or vapour concentrations.
Hygiene measures : When using, do not eat, drink or smoke. Wash hands and face with soap and water before the break. Shower after work. Wear clean working clothes every day.
Occupational Exposure Limits : No occupational exposures limits have been established.
Personal protection
- Respiratory protection : Dustfilter.
- Skin protection : Working clothes.
- Hand protection : PVC gloves.
- Eye protection : In the event of possible exposure: eye protection.
- Ingestion : When using, do not eat, drink or smoke.

9. Physical and chemical properties
Physical state : Pellet
Colour : Blue
Odour : Characteristic.
PH value : Not applicable.
Solubility in water : Dispersable
Relative vapour density (air=1) : Not applicable.
Flash point (°C) : Not applicable.
Explosion limits : Not applicable.
Log P octanol / water at 20°C : No data available.

10. Stability and reactivity
Stability : Stable under normal circumstances.
Hazardous decomposition products : Burning may produce e.g: Carbon monoxide, Acetaldehyde. Hydrocarbons.
Hazardous reactions : Will not occur.
Materials to avoid : None under normal conditions.
Hazardous properties : Not applicable.
Conditions to avoid : None under normal conditions.
Hazardous Polymerization : Will not occur.

11. Toxicological information
Rat oral LD50 [mg/kg] : > 2000
Percutaneous (rat) LD50 [mg/kg] : > 2000
On ingredients : See Heading 2 (Information on Ingredients).

12. Ecological information
On product : The data available do not support environmental hazard.
On ingredients : See Heading 2 (Information on Ingredients)

13. Disposal consideration
Waste disposal procedures : Prevent dispersion. Remove waste product to a suitable incinerator. According to national or local legislation.
Waste of residues : Keep waste separate. Remove as chemical waste, according to national or local legislation.
Contaminated packaging : Keep waste packaging separate. Remove as chemical waste, according to national or local legislation.

14. Transport information
General Information : Free for transport regulations.

15. Regulatory information
EU Regulations EU classification
Hazard symbol(s) : Not applicable.
Warning phrases
Risk phrases : None.
Safety Phrases
R Phrase(s) : S02 - Keep out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S20/21 - When using, do not eat, drink or smoke.
S22 - Do not breathe dust.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

Symbol(s)

16. Other information
Comp. Code : 0
Explanation of R-phrases used in heading 2
: R10 - Flammable.
: R22 - Harmful if swallowed.
Sources of key data used : Classification Database ECB
: Handboek bestrijdingsmiddelen gebruik & milieu-effecten van J P van Rijn, N.M. van Straalen en J Willems.
: EASi-View, European Substance Information, Royal Haskoning.
Further information : Revision – See: *

The contents and format of this MSDS are in accordance with EC Commission Directive 93/112/EEC, 99/45/EC and 2001/58/EC.

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