

Spannit granules

A granule containing 6% w/w chlorpyrifos. (MAPP 12950)
For the control of Cabbage Root Fly in transplanted Cabbage,
Broccoli/Calabrese and Cauliflower

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED* IS A LEGAL REQUIREMENT

FOR USE ONLY AS A HORTICULTURAL INSECTICIDE

Chlorpyrifos is an anticholinesterase organophosphorus compound and must not be used by those under medical advice not to work with such compounds.

Crop / situations	Maximum individual dose	Maximum number of treatments	Latest timing of application
Transplanted crops of Broccoli/Calabrese, Cabbage and Cauliflower	120g product / 100m of row	Listed transplanted crops one per crop	6 weeks before harvest

READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE

The (COSHH) of Substances Hazardous to Health Regulations may apply to the use of this product at work



Net contents:

This label is compliant with CPA Voluntary Initiative Guidance

Batch No: See pack

Marketed by:

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HARMFUL



DANGEROUS FOR THE ENVIRONMENT



HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY.

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

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

SAFETY PRECAUTIONS

Operator protection

*Chlorpyrifos is an anticholinesterase organophosphorus compound and must not be used by those under medical advice not to work with such compounds.

*Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

*WEAR SUITABLE PROTECTIVE GLOVES when handling the granules.

*However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH GLOVES after use, especially the insides.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental protection

*EXTREMELY DANGEROUS TO FISH OR OTHER AQUATIC LIFE.

Do not contaminate surface waters or ditches with chemical or used container.

Consumer protection

DO NOT HARVEST CROPS FOR HUMAN OR ANIMAL CONSUMPTION FOR AT LEAST 6 WEEKS AFTER LAST APPLICATION.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP CONCENTRATE IN ORIGINAL CONTAINER tightly closed in a safe place.

EMPTY CONTAINER COMPLETELY and dispose of safely.

Spannit granules

SYMPTOMS OF POISONING

These may include excessive sweating, headache, weakness, faintness and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision, muscle twitching.

FIRST AID

If any of the above symptoms occur, particularly if there is known contamination STOP WORK: Remove contaminated clothing. Wash exposed skin and hair. Prevent all exertion. Call Doctor AT ONCE and show this label.

GUIDE TO DOCTOR:

This product contains an anticholinesterase organophosphorus compound.

Specific treatment:

1. IN ALL CASES AND AS EARLY AS POSSIBLE inject atropine sulphate 2mg or pro rata for children and repeat (if necessary) until fully atropinised.
2. IF AVAILABLE administer pralidoxime 1 gramme by infra-muscular injection. Repeat after 3-4 hours.

Other measures:

1. Keep airway clear.
2. Watch respiration - intubation with endotracheal tube, or tracheotomy may be necessary in conjunction with artificial ventilation.
3. Put patient at complete rest in hospital for 24 hours at least.

Confirmation of diagnosis:

By estimating cholinesterase activity (5ml blood, unheamolysed, collected in anticoagulant)

FURTHER ADVICE FROM:

National Poisons Information Service, West Midlands Poisons Unit, City Hospital NHS Trust, Dudley Road, Birmingham B18 7QH. Tel: 0870 600 6266

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

Soil Types - All mineral and organic soils may be treated, but control may be reduced on peaty soils.

CROPS - Transplanted crops of Broccoli/Calabrese, Cabbage and Cauliflower. All varieties may be treated.

Transplanting Time	Pest	When to Apply	How to Apply
Transplanted after mid-April	Cabbage Root Fly	At transplanting	Sub-surface band
Cabbage Root Fly is a highly destructive pest in Brassica crops. Eggs are laid at ground level around the plants. The larvae burrow into the soil and feed on plant roots and stems. Two, sometimes three, generations of fly are produced per year with the main attacks in April/May and June/July.			

APPLICATION

Dose Rate - 120g Of Spannit Granules per 100m of row. The following rates are equivalent:

Row Spacing	30cm	38cm	45cm	60cm	70cm	75cm	90cm
Rate per hectare of crop	40kg	32kg	27kg	20kg	17kg	16kg	13kg

Application Method

SUB-SURFACE BAND (Applied at transplanting)

Apply granules as a sub-surface in furrow band using a coultter. Set the coultter with its outlet 5cm below the soil surface 15-30 cm in front and in line with the transplanter share. Ensure the roots are planted below the treated layer.

Applicator - Use a Horsline Farmery Microband Applicator fitted with 1 x 8 mm rotor over each outlet.

Calibration of Applicator

Applicator	Pulley Settings (using 29.5 in. dia. Landwheel)			
	Rotor size		No. rotors per outlet	
Horsline Farmery	8mm		1	
Microband Granule Applicator -	Pulleys		Sprocket settings	
Gravity model only	Driver	Driven	Driver	Driven
	7in.	5in.	31 T	25 T

The above settings for the land wheel driven applicator are given as a guide and should be checked in the field before use.

Section 6 of the Health & Safety at Work Act

Additional Product Safety Information

(This section does not form part of the product label under the Control of Pesticides Regulations 1986 COPPR)

Off Label Uses

This label does not provide any other pesticidal use of the product; do not use unless you have assessed any potential hazard involved, the safety measures required and that the use is also approved under COPPR.

Disposal

Follow the guidance on the disposal of pesticides as given in Part 5 of the MAFF/HSE Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings.

Personal Protective Equipment (PPE)

See Safety Precautions section on the main label area and Spillage section below.

- Gloves - made from Viton, Neoprene, Nitrile or Butyl at least 0.4mm thick.
- Face Shield/Goggles - BS 2092.
- Coverall - Saranex coated or equivalent

Spillage

Do not breathe vapour. Keep people, animals and sources of ignition away. Avoid skin and eye contact with product or contaminated surfaces. Do not eat, drink or smoke. Wash thoroughly immediately after handling or if contaminated.

PROTECTIVE CLOTHING MUST BE WORN, ie COVERALLS, RUBBER GAUNTLET GLOVES, RUBBER BOOTS, DUST MASK/FACE SHIELD OR GOGGLES.

Sweep into a suitable container and store in a safe place until disposal.

NB: Inform the local office of the Environment Agency, or in Scotland the Scottish Environmental Protection Agency, if the spillage enters a drain leading to a watercourse. If the spillage enters a drain leading to a sewage works contact the Regional Water plc, or in Scotland the relevant water authority.

Medical Information

If you feel unwell and suffer any of the following symptoms after exposure to this product, seek medical advice - show the label where possible.

Excessive sweating, headache, confusion, weakness, faintness and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision and muscle twitching.

Guide to Doctor

See Symptoms of Poisoning Section.

First Aid

When giving first aid always use personal protective equipment if you are likely to be contaminated.

Ingestion

Stop the patient from working. Take patient away from workplace. Remove all protective clothing. Keep at rest and under observation. DO NOT INDUCE VOMITING. DO NOT GIVE EMETICS. Take patient to a hospital having an Accident and Emergency Department immediately. Inform the hospital of the product involved and where possible show the product label. If the patient's breathing weakens/stops apply assisted breathing/artificial respiration immediately.

Skin Contact

Remove all contaminated clothing immediately (do not re-use until laundered). Wash affected area(s) with soap and plenty of water. Take patient to hospital having an Accident and Emergency Department immediately. If the patient's breathing weakens/stops apply assisted breathing/artificial respiration immediately.

Eye Contact

Flush with water for at least 15 minutes, holding eyelids open, if necessary. Take patient to hospital having an Accident and Emergency Department immediately.

Inhalation

Remove patient to fresh air and keep at rest and under observation. Treat symptomatically.

Occupational Exposure Standard	
Chlorpyrifos	8 hour TWA 0.2mg ³
	10 minutes 0.6mg ³

Fire

Unless immediately controllable, call the fire brigade to deal with fires involving pesticides.

Will not burn but DANGEROUS FUMES may be produced if involved in a fire. BREATHING APPARATUS MUST BE WORN.

Use water, dry powder, foam or carbon dioxide. Spray unopened containers with mist to keep cool.

Safety Data Sheet

This is available from your local distributor or direct from Barclay Chemicals Manufacturing Ltd. (www.barclay.ie)

Conditions of Supply

All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their storage, handling, mixing or use or of the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us or resellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use; these conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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