

AGPRO LABEL
DIRECT

TRIFLAIN

Issue Date: 07/02/2017

AGPRO

RAINBOW

HARMFUL - ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

GROUP

K1

HERBICIDE

TRIFLAIN

For pre-emergence weed control in brassicas, lucerne, peas, beans and some other vegetable crops.

Active Ingredient: 480 g/L TRIFLURALIN in the form of an emulsifiable concentrate

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

Registered pursuant to the ACVM Act 1997: P9448
See www.foodsafety.govt.nz for registration conditions.
Approved under the HSNO Act 1996: HSR000830
See www.epa.govt.nz for controls

Distributed by:
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Net Contents: 20 litre
Batch:
Date of manufacture:

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HSNO CLASSIFICATION: 3.1D, 6.1D, 6.3B, 6.4A, 6.5B, 6.9A, 9.1A, 9.2A

APPROVED HANDLER: This product must be under the personal control of an approved handler when:
(a) applied in wide dispersive manner; or (b) used by a commercial contractor.

TOXICITY: Harmful if swallowed, absorbed through skin, or inhaled. May cause skin and eye irritation. May cause sensitization from prolonged skin contact. Causes organ damage from repeated oral exposure at high doses.

ECOTOXIC: Very toxic to aquatic life and soil organisms. Do not apply onto or into water. Selective Herbicide — Very toxic to some plant species. Some plants may be damaged or killed by contact with this product. Do not allow drift outside the target area to occur. Decontaminate equipment before use on sensitive plants (see Application Method section).

FLAMMABILITY: Combustible liquid. Do not store or use near heat or naked flame.

PRECAUTIONS: Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing, or applying, wear overalls, boots, gloves, and eye protection. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

PROTECTION OF ENVIRONMENT: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur. Thoroughly wash equipment after use with clean water and detergent.

EQUIPMENT: Apply with well-maintained and calibrated spray equipment.

FIRST AID

For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor immediately. Get medical advice if you feel unwell.

If swallowed, do NOT induce vomiting. Rinse mouth. Get medical advice.

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs, or rash develops, get medical attention.

If splashed in eyes, wash out immediately with running water and keep rinsing for 15 minutes. Get medical attention if irritation occurs.

STORAGE: Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from feed, seeds, or foodstuffs. Store in a cool, dry, well-ventilated area, avoiding heat, naked flame, sunlight and temperatures below -5°C and above 35°C. Storage of 100 L or more of this product requires bunding and signage.

SPILLS: Extinguish all ignition sources and exclude all bystanders from the vicinity of the spill. Do not touch or walk through spilled material. Wear facemask or goggles, chemical resistant overalls (buttoned to neck and wrists), gloves and boots. Stop leak if safe to do so. Contain spill with earth or non-combustible material, and prevent entry into waterways and drains.

DISPOSAL: Triple rinse empty container with water and add washings to spray tank. Recycle empty container through commercial recycling company, otherwise crush and bury in a approved landfill. Dispose of product only by using according to the label instructions, or at an appropriate landfill.

GENERAL INFORMATION

TRIFLAIN is a selective herbicide for the control of certain annual grasses and broad leaf weeds in a variety of crops (listed below under 'Directions for Use). **TRIFLAIN** is applied pre-crop planting (or transplanting) and pre-weed emergence through incorporation into the soil. **TRIFLAIN** works by killing weed seedlings as they germinate. **TRIFLAIN** works best on germinating weeds within the zone of incorporation. Established or deep

germinating weeds may not be controlled.

RECOMMENDED USE

Weeds controlled: Amaranth spp, annual poa, barnyard grass, bladder campion, bristle grass, calandrinia, catchfly, chickweed, cleavers, cornbind fathen, red deadnettle, redroot, scarlet pimpernel, spurrey, summer grass, wild oats, wild portulaca, wireweed, witch grass, yellow gromwell.

Resistant weeds include: Black nightshade, clovers, fumitory, mallows, shepherds purse, storksbill, twincross, wild turnip, willow weed, thistles and daisies.

DIRECTIONS FOR USE

Warning: Do not use on peat soils or soils with high organic matter (>8%). Do not use in drip irrigation systems. Do not apply during rain as soil incorporation may be impaired.

MIXING

TRIFLAIN mixes readily with water. To ensure mixing pour the correct amount into the partly filled tank and add the remainder of the water while agitating. Agitate thoroughly before and during spraying and before spraying after a stoppage.

APPLICATION METHODS

TRIFLAIN can be applied with conventional boom spraying equipment. Apply 100 - 400 L/ha using a medium to coarse quality spray as defined by ASABE (S572) or the BCPC is recommended. To minimize off target spray drift it is recommended to spray when wind speeds are between 3 and 20 km/hr and to avoid atmospheric inversion conditions. Avoid overlapping and switch off spray boom when turning or slowing to avoid over-application.

As **TRIFLAIN** is volatile, it must be incorporated into the soil quickly after spraying. Incorporate into the top 5cm of soil immediately after application. Do not leave on the surface for more than 8 hours, especially in dry, warm and windy conditions. Incorporation can be achieved through cultivation with either :

- a) Rotary hoe set to a depth of 5 - 10 cm,
- b) Disc harrow or plough set to a depth of 8- 15 cm and at a speed not less than 6 km/h (minimum of 2 cultivations in different directions),
- c) Heavy spike, diamond or dutch harrow at a speed of 10 - 13 km/h (minimum of 2 cultivations in different directions).

ADDITIONAL USE PRECAUTIONS

When applied according to the directions and under normal growing conditions **TRIFLAIN** will not harm the treated crop. Seedling disease, cold weather, deep planting, excessive moisture, high salt concentration or drought may weaken crop seedlings and increase the possibility of crop damage. Under these conditions, delayed crop development or reduced yields may result.

Under prolonged dry conditions, or prolonged cold wet conditions, certain crops are susceptible to injury when planted in soil previously treated with **TRIFLAIN**. To avoid such injury it is inadvisable to plant sensitive grasses such as ryegrass or wheat for 12 months following **TRIFLAIN** application. Sowing linseed deeper than 3cm may result in some linseed stand reduction.

CONDITIONS OF SUPPLY

READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

To the extent permitted by law, the supplier does not accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with these goods, including without limitation their storage, application, handling or use. The supplier does not make any warranties (express or implied) with respect to fitness for purpose, merchantable quality or any other matter. To the extent only that the supplier is prevented by law from contracting out of the Consumer

Guarantees Act, then these conditions apply subject to that Act. The Act shall not apply where these goods are acquired for business purposes.

APPLICATION RATES AND TIMING

Crop	Rate per hectare (Light or sandy soils)	Rate per hectare (Clay, silt or loam soils)	Application time	Comments
Barley	1.25-1.7L	1.7L	14 days prior to sowing. If conditions are favorable for germination, planting may immediately follow incorporation.	Use higher rate for wild oats. Cover harrow to leave a flat soil bed. Drill barley at least 5cm deep, below the treated soil layer, but do not seed too deeply in loose soils.
French Beans, Linseed, Lucerne, Oilseed Rape, Peas	1.25-1.7L	1.7-2.0 L	At least 14 days prior to planting in cold and wet soil conditions. If conditions are favorable for germination, planting may immediately follow incorporation.	Use lower rates for early sown process crops. Linseed sown deeper than 3cm may result in stand reduction.
Drilled Crops: Carrots, Celery, Choumollier, Haricot Beans, Kale, Parsnips, Rape, Soybeans, Sunflowers, Swedes Turnips Transplanted Crops: Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Celery, Curcubits, Pepper Tomatoes	1.7L	2.5L	Up to 6 weeks prior to immediately before sowing / transplanting.	Can be used at any time on established row crops for inter-row cultivation.
Cucumbers, Melons, Pumpkins, Squash	1.7L	2.5L	Post crop planting/emergence	On established crops for inter-row application

It is an offence for users of this product to cause residues exceeding the relevant MRL in Food Notice: Maximum Residue Levels for Agricultural Compounds.

CLEANING SPRAY EQUIPMENT

Rinsing:

After using **TRIFLAIN**

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray until as above, quarter fill with clean water and circulated the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
- Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources.

Decontamination:

Before using equipment with other products or on plants sensitive to **TRIFLAIN**

- Wash the tank and rinse the system as above, then quarter fill the tank and add a standard alkali based laundry detergent at 500 g (or ml)/100L and circulated through the system for at least 15 minutes. Do not use chlorine based cleaners.
- Drain the whole system. Remove filters and nozzles and clean them separately.
- Finally, flush the system with clean water and allow to drain.

RESISTANT WEEDS WARNING

GROUP	K1	HERBICIDE
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TRIFLAIN is a dinitroaniline herbicide (Group K1), some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To maximize the effectiveness of herbicides, products containing alternative modes of action should be used in the spray program. Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

Registered to:

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