

DANGER

KEEP OUT OF REACH OF CHILDREN

Read label before use

ECOTOXIC

Triflain

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

***ACTIVE INGREDIENT: 480g/litre TRIFLURALIN in the form of an
emulsifiable concentrate.***

20L

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

Distributed by:
AGPRO NZ Ltd
10 Polaris Place, East Tamaki, Auckland 2013
PO Box 58-963, Botany, Auckland 2163
Ph 09 273 3456
www.agpro.co.nz

AGPRO



HAZARD CLASSIFICATIONS

Flammable liquid Category 4, Acute oral toxicity Category 4, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

TOXICITY

Danger: Causes organ damage from repeated or prolonged oral exposure.

Warning: Harmful if swallowed. May cause eye irritation. May cause an allergic skin reaction.

FLAMMABILITY

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

ECOTOXIC

Very toxic to aquatic life with long lasting effects. Very toxic to soil organisms. Do not apply directly onto or into water.

Selective Herbicide - Very toxic to some plant species. Some plants may be damaged or killed by contact with this product.

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. Decontaminate equipment before use on sensitive plants (see Application Method section).

QUALIFIED HANDLER: This product must be under the personal control of a suitably qualified handler when mixed, loaded or applied.

PRECAUTIONS

Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing, or applying, wear facemask or goggles, chemical resistant overalls (buttoned to neck and wrists), gloves and boots. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing/equipment after use.

STORAGE

Keep out of reach of children. Store in the original, tightly closed container, in a locked 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 must be in accordance with the current version of NZS 8409 Management of Agrichemicals. Storage of 100 L or more of this product requires secondary containment, an emergency response plan and signage. Stores containing an aggregate quantity of more than 500L of Flammable liquid Category 4 product require 2 fire extinguishers.

EQUIPMENT

Apply with well-maintained and calibrated spray equipment.

RECORD KEEPING

Records of use, as described in the relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS 8409), must be kept if using more than 3 L of **Triflalin** within 24 hours.

DISPOSAL

PRODUCT DISPOSAL: Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.

CONTAINER DISPOSAL: Triple rinse container and add rinsate to the spray tank. Recycle clean containers at an Agrecovery depot, or puncture and dispose of at an approved landfill. Do not burn. Do not use container for any other purpose.

FIRST AID

For advice, contact the National Poisons Centre 0800 POISON

(0800 764 766) or a doctor immediately. If medical advice is needed, have product container or label to hand.

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 wash skin and hair with plenty of soap and 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. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

If inhaled, move the person to fresh air immediately. Maintain half upright position if breathing is difficult. Carry out artificial respiration if necessary.

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. Place in a sealable and labelled waste container and dispose of safely at an approved landfill.

EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade.

For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622).

TRANSPORT

Do not carry on a passenger service vehicle.

SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit www.agpro.co.nz for a copy.

GENERAL INFORMATION

Triflalin 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'). **Triflalin** is applied pre-crop planting (or transplanting) and pre-weed emergence through incorporation into the soil. **Triflalin** works by killing weed seedlings as they germinate. **Triflalin** works best on germinating weeds within the zone of incorporation. Established or deep germinating weeds may not be controlled.

Proper Shipping Name	Class	UN No.	Packing Group	Hazchem
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains trifluralin 48%)	9	3082	III	3Z

Batch Number:

Date of Manufacture:



LBL253.1

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, shepherd's purse, storksbill, twincrest, wild turnip, willow weed, thistles and daisies.

RESISTANT WEEDS WARNING

GROUP	3	HERBICIDE
-------	---	-----------

Triflalin is a dinitroaniline herbicide (Group 3). 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.

DIRECTIONS FOR USE

Warning: Do not use on peat soil 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

Triflalin 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

Triflalin 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 **Triflalin** 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:

- Rotary hoe set to a depth of 5 - 10 cm,
- 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),
- 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 **Triflalin** 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 **Triflalin**. To avoid such injury it is inadvisable to plant sensitive grasses such as ryegrass or wheat for 12 months following **Triflalin** application. Sowing linseed deeper than 3cm may result in some linseed stand reduction.

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

WITHHOLDING PERIOD

Not required when used as directed.

CLEANING SPRAY EQUIPMENT

Rinsing

After using **Triflalin**:

- 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 unit as above, quarter fill with clean water and circulate 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 **Triflalin**:

- 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.

CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

Registered to:

Shandong Rainbow International Co., Ltd,
19th & 20th Floor, Hanyu Financial Centre,
Building A3-4, No. 7000 East Jingshi Road,
Jinan, China 250101

NZ Address:

6 Horlicks Place, Randwick Park,
Auckland 2105
Tel: (021) 02886306

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 favourable 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 - 2.0L	At least 14 days prior to planting in cold and wet soil conditions. If conditions are favourable 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, Cucurbits, Peppers, 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.