

# **HARMFUL • ECOTOXIC**

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING**

# **TRIFLURALIN 480**

**SELECTIVE HERBICIDE**

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

A selective soil incorporated herbicide for the pre-emergence control of certain annual grasses and broadleaf weeds in agricultural and horticultural crops.

Registered pursuant of ACVM Act 1997, Approval No. P9014  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to HSNO Act 1996, Approval No. HSR000830  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**NET CONTENTS: 20L**

## APPROVED HANDLER

This product must be under the control of an approved handler during use.

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

## TOXICITY

May cause skin and eye irritation. May cause sensitization from prolonged skin contact. Avoid contact with eyes and skin. May cause organ damage from repeated oral exposure at high doses. Do not eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

## ECOTOXIC

Very toxic to aquatic organisms. Do not contaminate an aquatic environment with chemical or empty container. Do not spray over or allow drift over, an aquatic environment.

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).

## HANDLING PRECAUTIONS

### 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 sunlight and temperatures below -5°C and above 35°C. Storage of certain quantities of this product trigger specific storage requirements (Refer to HazNote).

## PERSONAL PROTECTION

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.

## EQUIPMENT

Apply with well-maintained and calibrated spray equipment.

## DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an appropriate landfill.

## ENVIRONMENTAL

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.

## 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. Dike area and prevent entry into waterways and drains.

## FIRST AID

If swallowed DO NOT induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and flush with running water.

## GENERAL INFORMATION

Trifluralin 480 Selective Herbicide is a selective herbicide for the control of a range of annual grasses and broad leaf weeds in a variety of crops (listed below under 'Directions for Use'). Trifluralin 480 Selective Herbicide is applied pre-emergence (or transplanted) and pre-weed emergence through incorporation into the soil. Trifluralin 480 Selective Herbicide works by killing weed seedlings as they germinate. Trifluralin 480 Selective Herbicide 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, combind, fathen, red deadnettle, redroot, scarlet pimpernel, spurrey, summer grass, wild oats, wild portulaca, wireweed, witch grass, yellow gromwell.

## APPLICATION METHODS

Trifluralin 480 Selective Herbicide can be applied with conventional boom spraying equipment. Apply in 100 – 400 L/ha. As Trifluralin 480 Selective Herbicide is volatile, it must be incorporated into the soil quickly after spraying. 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:

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).

## MIXING

Trifluralin 480 Selective Herbicide 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.

## DIRECTION FOR USE

**Beware:** TRIFLURALIN 480 SELECTIVE HERBICIDE is not effective on peat soils or soils with high organic matter (>8%).

## RATES AND TIMING OF APPLICATION

Crop	Rate per hectare (Light or sandy soils)	Rate per hectare (Clay, silt or loam soils)	Timing	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	1.7-2.1L	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 3 cm may result in stand reduction.
Drilled Crops: Carrots, Celery, Choumollier, Haricot Beans, Kale, Parsnips, Rape, Soybeans, Sunflowers, Swedes and Turnips Transplanted Crops: Broccoli, Brussel Sprouts, Cabbage, cauliflower, celery, Cucurbits, Pepper and Tomatoes	1.7L	2.5L	From 6 weeks prior to immediately before sowing / transplanting.	Can be used 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 cultivation

Do not apply during rain as soil incorporation may be impaired.

## SOIL RESIDUES

Avoid planting susceptible crops, eg. wheat or ryegrass, for 12 months following application.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.**

## WITHHOLDING PERIODS

Not required when used as directed.

## SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: [www.kenso.co.nz](http://www.kenso.co.nz)

## CONDITIONS OF SALE

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Batch No.:

Date of Manufacture:

UN NO: 3082

ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.

(CONTAINES TRIFLURALIN 48%)

PACKING GROUP III, HAZCHEM 3Z

CLASS 9



In a transport emergency dial 111, Police or  
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only, call 0800 243 622 (24 hours)