

WARNING
Keep out of reach of children



StaraneTM Xtra

HERBICIDE

ACTIVE INGREDIENT:

Contains 333 g/L fluroxypyr as the methylheptyl ester in the form of an emulsifiable concentrate.

GROUP	4	HERBICIDE
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Controls broadleaf weeds in cereals and apples

READ THE LABEL BEFORE USE

NET CONTENTS: 5 L, 20 L

Corteva Agriscience New Zealand Limited

Private Bag 2017

New Plymouth 4342

www.corteva.co.nz

Telephone: 0800 803 939



INFORMATION INSIDE THIS BOX DOES NOT FORM PART OF THE LABEL

StaraneTM Xtra Herbicide

15 June 2022

WARNING



Skin sensitisation Category 1
Hazardous to soil organisms
Hazardous to the aquatic environment (chronic) Category 2

QUALIFICATION REQUIREMENTS

Persons mixing, loading, applying, or otherwise handling Starane™ Xtra must meet the qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

RECORD KEEPING

Records of use, as described in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017 and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3 L of Starane™ Xtra Herbicide is applied, or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

HEALTH HAZARDS

May cause an allergic skin reaction. Avoid breathing fumes, gas, mist, vapours or spray.

ENVIRONMENTAL HAZARDS

Toxic to aquatic life with long lasting effects. Avoid release to the environment. DO NOT apply directly into or onto water.

Hazardous to soil organisms.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

SELECTIVE HERBICIDE - VERY TOXIC TO SOME PLANT SPECIES. Certain plants may be damaged or killed from contact with this product. DO NOT allow drift outside the target area to occur.

HANDLING PRECAUTIONS

EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

STORAGE

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from sources of ignition and foodstuffs. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Stores containing more than 100 L of Starane™ Xtra Herbicide (or substances of the same hazard class) require signage and more than 1,000 L require containment. See the Health and Safety at Work (Hazardous Substances) Regulations and the New Zealand Standard for the Management of Agrichemicals NZS8409 for further information.

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PERSONAL PROTECTION

When opening the container, preparing the product for use, and applying the product, wear eye protection, cotton overalls buttoned to the neck and wrist and chemical resistant gloves. Take off contaminated clothing and wash it before re-use. Contaminated work clothing should not be allowed out of the workplace.

DO NOT eat, drink or smoke while using. Wash hands and face thoroughly after handling.

SPILLAGE

DO NOT touch or walk through spilled material. Wear personal protective equipment as recommended above. Stop leak if safe to do so. Dike area and prevent entry into waterways and drains. **Small spills/leaks:** Contain and absorb small spills with a proprietary absorbent suitable for chemical spills or an inert material such as sand, soil or sawdust. Collect spilled product and place into sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water. Absorb and collect washings and place in the same sealable container for disposal at an approved landfill. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills/leaks:** Report large spills to Corteva Agriscience Emergency Services at 0800 844 455.

DISPOSAL

Triple rinse empty containers and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues (liquid and dry) and have an intact legible label should be taken to an Agrecovery collection site. Otherwise crush and bury in a suitably approved landfill. DO NOT burn empty containers.

Dispose of this product only by using according to the label, via Agrecovery (visit www.agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill. DO NOT burn.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

DO NOT dispose of this product; spray mix or equipment cleaning water down drains or sewers.

FIRST AID

If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If medical advice is needed, have the product container or label at hand.

TRANSPORT

DO NOT carry more than 100 mL of this product on a passenger service vehicle.

SAFETY DATA SHEET

A Safety Data Sheet is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939 or visit www.corteva.co.nz

NOTICE

Important: You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

Registered pursuant to the ACVM Act 1997, No P7719.
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, Approval No HSR007849
See www.epa.govt.nz for approval controls.

Registered to: Corteva Agriscience New Zealand Limited New Plymouth 4342 Telephone 0800 803 939 www.corteva.co.nz	EMERGENCY RESPONSE (All hours) Ring from anywhere in New Zealand 0800 844 455 Or Globally +64-6-751-2407	IN A TRANSPORT EMERGENCY DIAL 111 FOR POLICE OR FIRE
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Shipping Name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains fluroxypyr meptyl) Marine Pollutant

UN Number: 3082



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Starane™ Xtra Herbicide

15 June 2022

Date of Manufacture:

Batch No.

Barcode

MIXING INSTRUCTIONS

Half fill the spray tank with water and add the required quantity of Starane™ Xtra Herbicide. When tank mixing with other herbicides, add the Starane™ Xtra Herbicide last.

COMPATIBILITY

Starane™ Xtra Herbicide is compatible with glyphosate, MCPA amine (DMA salt), Paradigm™, Rexade™ GoDRI™, Versatill™ Powerflo™, and most commonly used fungicides and insecticides.

APPLICATION

Starane™ Xtra Herbicide can be applied using conventional ground spraying equipment. Flush equipment thoroughly with clean water after use. **Decontaminate before using on plants that are sensitive to Starane™ Xtra Herbicide.** Crops susceptible to Starane™ Xtra Herbicide include, but are not limited to: beans, clovers, lucerne, lupins, peas and other legumes; flowers, fruit trees, hops, ornamentals, pine trees, shade trees, potatoes, sunflowers, tomatoes, vegetables and vines.

Boom spraying: Use 100 - 200 L/ha water in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409) as a medium quality spray. For late applications use 300 L/ha water as medium quality spray to obtain more complete coverage.

CLEANING OF SPRAY EQUIPMENT

RINSING

- After using Starane™ Xtra Herbicide, empty the spray unit completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the 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 through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

DECONTAMINATION

Following an application of Starane™ Xtra Herbicide all spraying equipment must be thoroughly cleaned both inside and out with a suitable spray tank cleaner. Follow the instructions on the tank cleaner label for the decontamination process. **DO NOT** use chlorine based tank cleaners.

Once decontamination has been completed cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants and water sources.

RAINFASTNESS

DO NOT apply if rain is likely to occur within two hours of application.

WITHHOLDING PERIODS

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

Cereals: DO NOT graze failed crops for seven days after application.
Apples: DO NOT harvest within 28 days of application.

RESISTANCE MANAGEMENT

GROUP	4	HERBICIDE
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Starane™ Xtra Herbicide is a pyridine carboxylic-acid herbicide (Group 4) which has an auxin mimic mode of action. Some naturally occurring individual weeds may become resistant when excessive use of the same herbicide occurs. To maximize the effectiveness of herbicides, products containing alternate 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

CEREALS

Starane™ Xtra Herbicide is a selective herbicide for the control of many broadleaf weeds in wheat, barley and oats. Apply from the 3 leaf stage of the crop to booting (flag leaf) growth stage. DO NOT spray cereals undersown with clover or lucerne.

On some barley varieties and/or growth stress situations, transient yellowing, wilting and discolouration of foliage may be observed after an application of herbicides containing fluroxypyr (including Starane™ Xtra). Plants will recover and yield is not affected when good growing conditions occur after application.

WEEDS	Rate mL/ ha	COMMENTS
Black nightshade Docks (seedling)	450	Weeds should be at the 2 - 6 leaf stage.
Field chickweed	600	Apply before flowering.
Cleavers	750	Apply at the 2 - 4 whorl stage. Application may also be made to cleavers at advanced growth stages to achieve knockdown.
Wireweed Cornbind Field madder	750	Apply to wireweed and cornbind at the 2 - 6 leaf growth stage. Apply to field madder before flowering.
Volunteer potato	1200	Suppression only. Apply when volunteer potatoes are 10 - 20 cm in height. Level of control will vary according to potato vigour, variety and crop competition.

The addition of MCPA amine to Starane™ Xtra Herbicide will broaden the weed spectrum for control of fathen, hedge mustard, wild turnip, shepherd's purse and nettle, and will improve the control of wireweed. Refer to the MCPA amine label for application timing.

APPLES

Starane™ Xtra Herbicide broadens the activity of glyphosate against certain broadleaf weeds in orchards. Refer to table below for use directions. Applications should be directed to the ground ensuring contact is not made with any green bark, suckers,

foliage or fruit of the tree. DO NOT apply to trees less than 3 years old. Refer to glyphosate label for use rates for weeds not listed below, general recommendations and precautions relating to that product.

WEEDS	Rate mL/ ha	COMMENTS
White clover	900	Add either Pulse ^{®1} or Slikka ^{™1} penetrants at 100 mL/100 L spray mix.
Docks	900	Apply Starane [™] Xtra Herbicide in mixture with 2 L/ha glyphosate 360* and either Pulse ^{®1} or Slikka ^{™1} penetrants at 100 mL/100 L spray mix.
Large-flowered mallow Creeping mallow	1200	Apply Starane [™] Xtra Herbicide in mixture with 3 L/ha glyphosate 360* and either Pulse ^{®1} or Slikka ^{™1} penetrants at 100 mL/100 L spray mix.

* Adjust rates for different glyphosate formulation concentrations.

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^{®1}, ^{™1} Registered trademarks of other companies.