

WARNING

Keep out of reach of children
Read label before use

ECOTOXIC

AGPRO Nicosulfuron 750 WDG

*Contains 750g/kg nicosulfuron in the form of a
water dispersible granule*

For post-emergent control of perennial and annual
grasses and broadleaf weeds in grain
and silage maize crops

Net: 500g

Registered pursuant to the
ACVM Act 1997, No. P010202
See www.foodsafety.govt.nz for
registration conditions
Approved pursuant to HSNO Act 1996,
Approval Code HSR007864
See www.epa.govt.nz for approval
controls

Registered to and distributed by:
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AGPRO



HAZARD CLASSIFICATION

Eye irritation Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms.

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

WARNING TOXICITY

Causes serious eye irritation.

ECOTOXICITY

Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container. This product must not be applied directly into or onto water. Avoid contamination of any water supply with product or empty container. 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.



**UN3077
ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
SOLID, N.O.S., (nicosulfuron 75%)
Packing Group III, Marine Pollutant**



AGPRO®
(N.Z.) LIMITED

LBL 183.1

PRECAUTIONS

QUALIFICATION REQUIREMENTS

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

Selective Herbicide – very toxic to some plant species.

Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow spray drift to occur outside the target area.

PERSONAL PROTECTION

Avoid contact with skin and eyes, and inhalation of dust and spray mist. When mixing or applying this product wear chemically resistant gloves, overalls, boots 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. Wash all protective clothing after work.

STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area avoiding direct sunlight and away from foodstuffs, fertilisers or seeds. Storage must be in accordance with the current version of the NZ Standard for the Management of Agrichemicals (NZS 8409). Stores containing 100kg or more of **AGPRO Nicosulfuron 750 WDG** require signage and an emergency response plan.

SHELF LIFE

When stored appropriately, this product should show no significant degradation for 24 months from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

EQUIPMENT

Apply only with appropriate, well-maintained and calibrated equipment in accordance with NZS 8409.

RECORDS OF APPLICATION

If 3kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, written records must be kept for three years.

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.

PACKAGING 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 call the National Poisons Centre 0800 POISON (0800 764 766) (24 hours) or a doctor.

If medical advice is needed have product container or label to hand.

IF SWALLOWED: Do NOT induce vomiting. Call the Poisons Centre or a doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

IF ON SKIN OR HAIR: Remove contaminated clothing. Flush skin with water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poison Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

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).

SPILLAGE

Exclude non-essential people from the area. Wear protective clothing and prevent chemical from entering waterways. Generating as little dust as possible, sweep up solid spills and place in a waste container. Sweep up solids without creating dust. Absorb liquid spills with inert material such as attapulgite, soil, etc.,. Wash area and absorb with further inert material. Place all waste material in a sealable, labelled waste container. Dispose of safely at an approved landfill.

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 INSTRUCTIONS

AGPRO Nicosulfuron 750 WDG is rapidly absorbed by foliage and translocated throughout the weeds.

Weeds stop growing immediately and discoloration of weeds occurs, followed by dieback that spreads slowly throughout the weed.

INTERACTION WITH INSECTICIDES

Do not apply to maize previously treated with soil-applied organophosphate insecticides or to maize that has been

applied within seven days before or after with foliar treated organophosphate insecticides, as severe crop injury may result.

WITHHOLDING PERIOD

Silage maize: 56 days

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

RESISTANCE MANAGEMENT

GROUP	2	HERBICIDE
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AGPRO Nicosulfuron 750 WDG contains a sulfonylurea herbicide that acts via the inhibition of acetolactase synthase (ALS). Naturally occurring resistant biotypes are known to exist and can become more prevalent after many years of continuous or excessive use of this product.

To prevent or delay resistance use **AGPRO Nicosulfuron 750 WDG** in tank mixes as appropriate, and/or in rotation with herbicides that have a different mode of action. Refer to www.resistance.nzpps.org for further resistance management advice.

DIRECTIONS FOR USE

MIXING

Stir or mix well. Add the full quantity of the product to the partly filled spray tank whilst agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. If adding other post-emergence herbicides and/or paraffin oil adjuvant, then add these after **AGPRO Nicosulfuron 750 WDG** is thoroughly mixed in the half-filled tank. Agitate from the bottom if allowed to stand.

COMPATIBILITY

AGPRO Nicosulfuron 750 WDG plus a 450g/L paraffinic oil spray adjuvant is compatible in tank mixtures with **AGPRO Atrazine 900 WDG**. **AGPRO Nicosulfuron 750 WDG** may be tank mixed with Dicamba (applied to maize less than 30cm tall), or bromoxynil to increase broadleaf weed control, but a 450g/L paraffinic oil spray adjuvant should not be used with these mixtures as there is a greater risk of crop injury (which can be minimized by the use of dropper nozzles). Check with the supplier regarding compatibility if dicamba or other post-emergent herbicides are to be tank mixed with **AGPRO Nicosulfuron 750 WDG**. Grass weed control with **AGPRO Nicosulfuron 750 WDG** may be reduced when a 450g/L paraffinic oil spray adjuvant is not used.

Do not apply **AGPRO Nicosulfuron 750 WDG** plus a 450g/L paraffinic oil spray adjuvant in tank mixture with Trifid™ growth enhancer.

WEATHER CONDITIONS

Warm, moist conditions and adequate soil moisture, both before and after application, will improve control.

Maize stressed due to weather conditions may show a temporary yellowing or crop stunting.

AGPRO Nicosulfuron 750 WDG is rainfast six hours after application.

APPLICATION

Make sure that spray equipment is correctly calibrated. For best results ensure complete spray coverage of the weeds. Position the boom nozzles between the rows of maize.

The use of droppers from the boom will improve target weed coverage. Do not overspray and do not apply

AGPRO Nicosulfuron 750 WDG into the maize whorls as crop damage may occur.

Aerial and ground broadcast application:

Apply **AGPRO Nicosulfuron 750 WDG** in 100 - 300 litres of water per hectare. Use the higher water rate where weeds are dense.

CDA application:

Use a large (250 - 300 micron) droplet size and apply not less than 30 litres of water per hectare. CDA application may result in less effective weed control than conventional boom spraying.

DIRECTIONS FOR USE IN MAIZE

The maximum application rate is 110g product/ha (82.5g a.i./ha) with a frequency of application of no more than once a year.

Couch control:

Use **AGPRO Nicosulfuron 750 WDG** at 80g per hectare with the addition of a 450g/L paraffinic oil spray adjuvant at 500ml per 100 litres of spray volume. Apply when sufficient couch foliage is present for good coverage.

Merger grass (suppression):

Use **AGPRO Nicosulfuron 750 WDG** at 110g per hectare with the addition of a 450g/L paraffinic oil spray adjuvant at 500ml per 100 litres of spray volume. Apply when sufficient Merger grass foliage is present for good coverage. Shading from a good crop canopy after application will improve control. In the following season, a subsequent application will improve overall Merger grass control.

Annual grasses:

Use **AGPRO Nicosulfuron 750 WDG** at 50 - 80g per hectare. Use the low rate only if following a pre-emergence

herbicide application and if weed pressure is low. Add a suitable tankmix herbicide with **AGPRO Nicosulfuron 750 WDG** and use in soil areas where the organic matter level is low to medium.

To control yellow bristle grass use 80g/ha. Add a 450g/L paraffinic oil spray adjuvant at 500ml per 100 litres of spray volume.

NB. On summer grass use a 450g/L paraffinic oil at 1L/100L of spray volume. Apply when sufficient grass foliage is present for good coverage.

Broadleaf weeds:

Use **AGPRO Nicosulfuron 750 WDG** at 50 - 80g per hectare. Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Add a suitable tankmix herbicide with **AGPRO Nicosulfuron 750 WDG** and use in soil areas where the organic matter level is low to medium. Add a 450g/L paraffinic oil spray adjuvant at 500ml per 100 litres of spray volume. Mature weeds will not be adequately controlled.

Oxalis (suppression):

Use **AGPRO Nicosulfuron 750 WDG** at 80 - 110g per hectare. The higher rate will improve control. Add a 450g/L paraffinic oil spray adjuvant at 500ml per 100 litres of spray volume.

WEEDS CONTROLLED

Grasses:

Barnyard grass, bristle grass, couch, crowfoot grass, kikuyu, pasture grasses (volunteers), rough bristle grass, smooth witchgrass, summer grass, wild oats, yellow brittle grass.

Broadleaf weeds:

Bathurst bur, black nightshade, groundsel, fathen, fumitory, redroot, sow thistle, thorn apple, twincrest, water pepper, wild portulaca, willow weed.

WEEDS SUPPRESSED

Grasses:

Mercer grass.

Broadleaf weeds:

Apple of Peru, bindweed, buttercup, Californian thistle, chicory, dock, clover, oxalis, potatoes (volunteers), Scotch thistle.

TIMING OF APPLICATION

Broadleaf weeds:

For best results, **AGPRO Nicosulfuron 750 WDG** should be applied before weeds have reached the four true leaf stage. Weeds larger than four true leaf stage may only be suppressed.

Grass weeds:

Apply when there is sufficient leaf area for good uptake but before the grass has formed a thick layer. Apply to summer grass at a maximum of three tillers or 75mm in length. The maize crop growth stage best for application is between the two and eight leaf stage when the crop is growing vigorously without moisture stress.

CAUTION: Application to maize greater than 500mm in height risks crop injury.

Soil residues:

To minimise soil residues, treated areas should be deeply crop cultivated to ensure maximum dispersal of residues. Ryegrass and small grain cereals should not be sown in areas treated within the previous five months.

Cultivation:

Do not cultivate during the ten days before an **AGPRO Nicosulfuron 750 WDG** application as this may decrease weed control by placing weeds under stress. The optimum timing for cultivation or side dressing of fertiliser is seven to fourteen days after an **AGPRO Nicosulfuron 750 WDG** application.

CAUTION:

Do not use on sweetcorn or popcorn.

Do not use on field maize grown for seed unless tested on existing NZ varieties under NZ conditions.

CLEANING AND DECONTAMINATION

After using spray equipment, flush all equipment and lines with clean water then decontaminate spray equipment before it is used to treat plants that are sensitive to nicosulfuron. Cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants or water sources.

CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO (N.Z.) Limited, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO (N.Z.) Limited 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 (N.Z.) Limited accepts no responsibility for any consequence whatsoever resulting from the use of this product.