

ECOTOXIC

NB: Read the directions and information on the label before using

AGPRO Nicosulfuron

Group	B	Herbicide
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Contains 750 g/kg nicosulfuron in the form of a water dispersible granule.

AGPRO Nicosulfuron is a selective post emergent herbicide for the control of a range of weeds in grain and silage Maize crops.

Registered pursuant to the ACVM Act 1997, No. P009259

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, No. HSR007874

See www.epa.govt.nz for approval conditions.

Date of manufacture:

Batch Number:

Pack Size: 500g

Registered to and distributed by:

AGPRO NZ Ltd

10 Polaris Place

East Tamaki

P O Box 58-963

Auckland

Ph. 09 273 3456

Fax 09 273 3457

www.agpro.co.nz



A handwritten signature in blue ink, likely of a government official, positioned below the red stamp.

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HSNO Classifications: 6.4A, 9.1A, 9.2A



WARNING:

Harmful. May cause eye irritation.

Warning. Very toxic to aquatic life.

Warning. Very toxic to the soil environment.

PRECAUTIONS:

Personal Protection

Do not eat, drink or smoke whilst using.

Wear impermeable gloves, coat, hat and trousers during use. Use an air respirator with organic vapour canister or self contained breathing apparatus when exposure is likely.

Wear a face shield or goggles if eye contact is likely to occur.

Immediately after use or before any meal break, remove protective clothing and thoroughly wash hands and face.

Avoid skin and eye contact.

Storage

Store in original container tightly closed and in a locked dry, cool, well ventilated area away from foodstuffs. Under appropriate storage, the product shows no significant degradation within 2 years from the date of manufacture. Contact the supplier if product is older than 2 years.

Spills

Wear the above mentioned protective clothing when dealing with spills. Contain the spill and recover spilt product by sweeping then place recovered material into properly labelled drum. Deal with spillages immediately and prevent contamination of watercourses, drains, streams, ponds. If this is likely to occur, warn the local authorities immediately.

Disposal

Dispose of product by following label directions or at an approved landfill. Avoid contamination of waterways with product or empty container.

Container Disposal

Triple rinse container and add rinsate to spray tank. If container cannot be recycled then bury in suitable landfill.

FIRST AID:

Contact National Poisons and Hazardous Chemicals Information Centre ph 0800 764 766 (0800 POISON) or a doctor for medical advice.

If swallowed, seek medical advice immediately.

If skin contact occurs, remove contaminated clothing and flush skin with running water immediately. Wash contaminated clothing before re-use.

If eye contact occurs, wash out eyes with running water immediately.



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

GENERAL INFORMATION:

AGPRO Nicosulfuron is a selective post emergent herbicide for the control of certain weeds in Maize crops. AGPRO Nicosulfuron is rapidly absorbed by leaves and translocated throughout the plant. Susceptible weeds stop growing immediately, followed by discolouration and eventual death. Application to actively growing weeds will optimise control.

RESISTANCE MANAGEMENT

AGPRO Nicosulfuron contains a GROUP B herbicide from the sulphonyl urea group, acting by inhibition of acetolactase synthase (ALS). Naturally occurring biotypes resistant to sulphonyl urea herbicides are known to exist. Further resistance to these herbicides could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Resistance management strategies can be found at;

www.nzpps.org/resistance

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: Silage maize 56 days.

Cultivation: Do not cultivate during the 10 days prior to a AGPRO Nicosulfuron application as this may decrease weed control by placing weeds under stress. The optimum time to cultivate (if desired) or side dress with fertilizer is 7 – 14 days after AGPRO Nicosulfuron application.

Interaction with Insecticides: Do not apply to Maize previously treated with soil applied organophosphate insecticides or to Maize that has been treated within 7 days before or after with foliar applied organophosphate insecticides, as severe crop injury may result.

Weather Conditions: Actively growing weeds (warm, moist conditions and adequate soil moisture) are more readily controlled. Maize stressed due to weather conditions may show a temporary yellowing or crop stunting. AGPRO Nicosulfuron is rainfast 6 hours after application.

Mixing: Prior to mixing, thoroughly rinse spray tank, pump, boom and nozzles with water. Add the required quantity of AGPRO Nicosulfuron to a half filled spray tank then complete filling. Maintain moderate agitation throughout filling and application. Add other products after AGPRO Nicosulfuron is thoroughly mixed in the half spray tank.

Compatibility: AGPRO Nicosulfuron is compatible with atrazine, bromoxynil and dicamba. Follow label instructions from those labels.

Caution:



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Do not use on Sweetcorn or Popcorn varieties.

Do not use on Maize seed crops unless tested on existing NZ varieties under NZ conditions.

Do not apply AGPRO Nicosulfuron into Maize whorls as crop damage may occur.

Do not apply to crops greater than 500 mm as crop injury may ensue.

Application: Ensure application equipment is accurately calibrated. Complete spray coverage is essential for optimum control. Do not overspray. Apply within 24 hours of mixing.

Aerial Application: Apply AGPRO Nicosulfuron in 100 L/ha water.

CDA Application: Use a large (250 – 300 micron) droplet size and apply in a minimum of 30 L/ha water. CDA application may result in less effective weed control than conventional boom application.

Ground Application: Apply AGPRO Nicosulfuron in 200 – 300 L/ha water. Use the higher water rate where weeds are large. Position the boom nozzles between the Maize rows for optimum coverage of weeds. The use of nozzles on droppers will improve weed coverage and minimise the amount of spray deposit on the crop.

Sprayer Cleanup: All traces of AGPRO Nicosulfuron must be removed from mixing and application equipment immediately after application.

1. Drain tank, then flush tank, pump and boom with clean water for 10 minutes.
2. Fill tank with clean water and add 1 L chlorine bleach (containing 3% sodium hypochlorite) per 100 L water. Agitate, flush through system, allow to stand for 15 minutes with agitation then drain.
3. Repeat step 2.
4. Remove all nozzles and filters and clean separately. Thoroughly rinse tank and flush with clean water through pump and boom to remove all traces of chlorine solution.

Following Crops: Prior to planting, thoroughly cultivate treated areas to ensure maximum dispersal of residue. Ryegrass and small grain cereals may be planted a minimum of 5 months following application of AGPRO Nicosulfuron.

Application Timing:

Broad-leaved weeds; Best results are achieved when AGPRO Nicosulfuron is applied before the weeds reach the 4 leaf stage. Larger weeds 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 6 tillers or 75 mm in length.

Crop; The best application timing is when the crop is between 2 and 8 leaf stage and is growing vigorously without moisture stress.

Weeds Controlled		Weeds Suppressed	
Broad-leaved weeds	Grasses	Broad-leaved weeds	Grasses



Bathurst bur, Black nightshade, Groundsel, Fathen, Fumitory, Redroot, Sow thistle, Thorn apple, Twincress, Water pepper, Wild portulaca, Willow weed.	Barnyard grass, Bristle grass, Couch, Crowfoot grass, Kikuyu, Pasture grasses, (volunteers), Rough bristle grass, Smooth witch grass, Summer grass, Wild oats.	Apple of Peru, Bindweed, Buttercup, Californian thistle, Chicory, Clover, Dock, Oxalis, Potatoes (volunteers), Scotch thistle.	Mercer grass.
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Adjuvant: Add AGPRO Crop Oil at 500 mL/100 L water when using AGPRO Nicosulfuron alone. Check partner labels for adjuvant use when tank mixing.

DIRECTIONS FOR USE IN MAIZE:

Weed Type	Rate	Remarks
Broad-leaved weeds	50 – 80 g/ha	Use the low rate only if a pre-emergent herbicide has been applied and if weed pressure is low. Add a suitable tankmix herbicide with AGPRO Nicosulfuron and use in soil areas where the organic matter is low to medium. Mature weeds may not be adequately controlled.
Oxalis (suppression)	80 – 110 g/ha	The higher rate will improve control.
Annual grasses	50 – 80 g/ha	Use the low rate only if a pre-emergent herbicide has been applied and if weed pressure is low. Add a suitable tankmix herbicide with AGPRO Nicosulfuron and use in soil areas where the organic matter is low to medium. Apply when sufficient grass foliage is present for good coverage. NB. On Summer grass use AGPRO Crop Oil at 1 L/100 L water.
Couch	80 g/ha	Apply when sufficient Couch foliage is present for good coverage.
Mercer grass (suppression)	110 g/ha	Apply when sufficient Mercer grass foliage is present for good coverage. Shading from a good crop canopy following application will improve control.

CONDITIONS OF SUPPLY

The use of AGPRO Nicosulfuron being beyond the control of the manufacturer, no warranty expressed or implied, beyond that cover under the Fair Trading Act is given by AGPRO NZ Limited regarding suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and AGPRO NZ Limited accepts no responsibility for any consequence whatsoever resulting from the use of this product.



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