

ECOTOXIC



ADAPT[®]
HERBICIDE

GROUP	B	HERBICIDE
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**For the Post Emergence control of Perennial
and Annual Grasses, and Broadleaf Weeds
in Grain and Silage Maize Crops.**

ACTIVE INGREDIENT: Contains 750 g/kg Nicosulfuron in the form of a water dispersible granule

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NET CONTENTS
500 g, 1 kg,
2 kg, 5 kg,
10 kg, 15 kg,
20 kg

ADAMA

Read the label completely before use**HAZARD CLASSIFICATIONS 9.1A, 9.2A****ECOTOXIC**

APPROVED HANDLER - This product must be under the care of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

RECORD KEEPING -Records of use must be kept under certain circumstances – see The New Zealand Standard for the Management of Agrichemicals (NZS 8409) for details.

ECOTOXIC

Very toxic to aquatic life. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Selective herbicide - very toxic to some plant species. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow drift to occur outside the target area.

HANDLING PRECAUTIONS

Keep out of reach of children.

Equipment

Apply using well maintained and accurately calibrated equipment. Clean equipment thoroughly after use.

Storage

Store in original container, tightly closed and in a dry, cool area away from foodstuffs, fertilisers and seeds. Store in accordance with NZS8409 Management of Agrichemicals.

Protective Clothing

When mixing or applying wear appropriate eye protection, waterproof gloves, boots and overalls. Wash hands and exposed skin before meals and after work.

Spillage

Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert absorbent material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste container. Dispose of waste safely in a suitable landfill.

Disposal

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

Product Disposal - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

First Aid: For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor. If swallowed do NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

Safety Data Sheet: A Safety Data Sheet for this product is available from Adama New Zealand Limited on request. Call 03 543 8275.

RESISTANCE MANAGEMENT: ADAPT contains the **GROUP B** sulfonylurea herbicide, nicosulfuron. Do not use another product containing a herbicide in the same group in conjunction with ADAPT, and where possible alternate the types of herbicides used within any one paddock over time. Herbicides from different group codes should either be used alternately or mixed together to prevent the numbers of resistant individuals building up. Naturally occurring biotypes resistant to sulfonylurea herbicides are known to exist. Since the occurrence of resistant weeds is difficult to detect prior to use Adama New Zealand Ltd accepts no liability for losses that may result from the failure of this product to control resistant weeds.

PRODUCT INFORMATION

ADAPT 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 treated within 7 days before or after with foliar applied organophosphate insecticides, as severe crop injury may result.

DIRECTIONS FOR USE IN MAIZE:

ADAPT must only be applied to a treatment area once per year. The application rate must not exceed 110g/Ha.

Couch control: Use ADAPT at 80g per hectare with the addition of Bonza[†] spray adjuvant at 500 mL per 100 L of spray volume. Apply when sufficient couch foliage is present for good coverage.

Mercer grass (suppression): Use ADAPT at 110 g per hectare with the addition of Bonza[†] spray-adjuvant at 500 mL per 100 L spray volume. Apply when sufficient Mercer 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 Mercer grass control.

Annual grasses: Use ADAPT at 50-80 g 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 ADAPT and use in soil areas where the organic matter level is low to medium. Add Bonza[†] spray adjuvant at 500 mL per 100 L spray volume. Apply when sufficient grass foliage is present for good coverage.

Broadleaf weeds: Use ADAPT at 50-80 g 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 ADAPT and use in soil areas where the organic matter level is low to medium. Add Bonza[†] spray adjuvant at 500 mL per 100 L spray volume. Mature weeds will not be adequately controlled.

Oxalis (suppression): Use ADAPT at 80-110 g per hectare. The higher rate will improve control. Add Bonza[†] spray adjuvant at 500 ml per 100 L 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.

Broadleaf weeds: Bathurst bur, Black nightshade, Groundsel, Fathen, Fumitory, Redroot, Sow thistle, Thorn apple, Twincross, 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.

Application Timing: Broadleaf weeds; for best results, ADAPT should be applied before weeds have reached the 4 true leaf stage. Weeds larger than 4 true leaf stages 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 75 mm in length. The maize crop growth stage best for application is between the 2 and 8 leaf stage when the crop is growing vigorously without moisture stress.

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

Soil residues: To minimise soil residues, treated areas should be deeply cross cultivated to ensure maximum dispersal of residues. Ryegrass and small grain cereals should not be sown in areas treated within the previous 5 months.

Cultivation: Do not cultivate during the 10 days before an ADAPT application as this may decrease weed control by placing weeds under stress. The optimum timing for cultivation or side dressing of fertiliser is 7-14 days after an ADAPT 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.

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. ADAPT is rainfast 6 hours after application.

Compatibility: ADAPT plus Bonza[†] spray adjuvant is compatible in tank mixtures with Atranex[®] WG, Atranex[®] SC or Flumetsulam 800 WG formulations, ADAPT may be tank mixed with Kamba[†] 500 (applied to maize less than 30 cm tall), or Emblem to increase broadleaf weed control, but Bonza[†] 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). Grass weed control with ADAPT may be reduced when Bonza[†] spray adjuvant is not used. Do not apply ADAPT plus Bonza[†] spray adjuvant in tank mixture with Triffid[†] growth enhancer.

Mixing Instructions: Prior to mixing ADAPT, thoroughly rinse sprayer, tank, boom, hoses and nozzles with water. Pour ADAPT into the spray tank half-filled with water. Complete water filling. Maintain a moderate agitation until the mix is applied. If adding other post-emergence herbicides and/or Bonza[†] spray-adjuvant, add after ADAPT is thoroughly mixed in the half-filled tank. Apply the spray mixture within 24 hours of mixing.

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 ADAPT into the maize whorls as crop damage may occur.

Aerial and ground broadcast application: Apply ADAPT herbicide in 100-300 L 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 L of water per hectare. CDA application may result in less effective weed control than conventional boom spraying.

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.

Withholding period: Silage maize 56 days.

Sprayer Cleanup: To avoid injury to subsequently sprayed sensitive crops, all traces of ADAPT must be removed from mixing and spraying equipment immediately after spraying.

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

CONDITIONS OF SALE

Adama New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Adama New Zealand Limited is limited to the replacement of the goods or (at the option of Adama New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Adama New Zealand Limited within thirty days of delivery.



Registered to:
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