WARNING
KEEP OUT OF REACH OF CHILDREN
ECOTOXIC

CUTLASS® HERBICIDE

GROUP 02 HERBICIDE

A selective herbicide for the control of difficult broadleaf weeds in cereals, maize, pasture and waste areas. (Controls atrazine resistant fathen in maize)

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active Ingredient:
Contains 500 g/L DICAMBA as the DIMETHYLAMINE salt in the form of a soluble concentrate

Adama New Zealand Limited
Level 1, 19 Elms Street,
Wakatu Estate
Stoke 7011 New Zealand
PO Box 1799
Nelson 7040 New Zealand
Telephone 03 543 8275
adama.com

NET CONTENTS
1L, 5L, 10L, 20L

ADAMA ESSENTIALS
Refer to booklet for full label instructions.

HAZARD CLASSIFICATIONS
Classifications 6.1E, 6.3A, 6.4A, 6.9B, 9.1A, 9.2A, 9.3B, 9.4B

WARNING

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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 Standards for Management of Agrichemicals (NZS8409) for details.

TOXICITY
Warning —
May be harmful if swallowed, inhaled or absorbed through the skin.
May cause skin and eye irritation.
Presumed to cause organ damage from repeated oral exposure at high doses.
Avoid eye and skin contact and avoid inhalation of spray mist or vapours.

ECOTOXICITY
Very toxic to aquatic organisms. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. Toxic to terrestrial vertebrates and to terrestrial invertebrates.

HANDLING PRECAUTIONS
Keep out of reach of children.
Do not eat, drink or smoke while using.

Equipment
Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Storage
Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from sources of ignition, stockfeed or foodstuffs.
As a Class 9 Substance with Ecotoxicity Classifications storage of Cutlass Herbicide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information.

Transport
Do not carry greater than 1 litre of this product on a passenger service vehicle.

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

Protective Clothing
When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.

Spillage
Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the Precautions box of this label to clean up spills. Absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved 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, burn in an appropriate incinerator if circumstances such as wind direction permit, or 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:
If swallowed do NOT induce vomiting. Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor for advice.
If skin contact occurs, remove contaminated clothing and wash with plenty of soap and water. If skin irritation occurs get medical attention. Wash contaminated clothing before reuse.
If splashed in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
If inhaled move the victim to fresh air and call a POISONS CENTRE or doctor if you feel unwell.

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Cutlass® is a registered trademark of an ADAMA Group Company

EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

In a Transport Emergency
Phone 111
Police or Fire

Batch Number: Date of Manufacture:
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HSNO classifications 6.1E, 6.3A, 6.4A, 6.9B, 9.1A, 9.2A, 9.3B, 9.4B
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SAFETY DATA SHEET
A Safety Data Sheet for this product is available from Adama New Zealand Limited on request. Call 03 543 8275.

Beware: Apply this product carefully. Spray drift may cause serious damage to desirable plants. A strategy to minimise spray drift should be employed at all times when applying spray near aquatic environments.

Animal Safety:
Poisonous plants may become more palatable after spraying. Stock should be kept away from the treated area until the plants have died down.

DO NOT graze treated areas or feed treated crops or threshings to livestock for two weeks after application.

DIRECTIONS FOR USE:
Add Cutlass Herbicide to water in the spray tank and agitate. Where a second chemical is to be used, always add the Cutlass Herbicide to the spray tank first.
Spray when weeds are young and actively growing, and unless stated otherwise, before the 3-5 true leaf stage.
Do not spray when rainfall seems likely within 6 hours of application.
Do not spray when weeds are wet with dew or rain or under stress from drought, extreme cold or waterlogging.
Do not spray outside recommended crop growth stages as crop damage may result.

Application Equipment: Cutlass Herbicide is suited for application with conventional boom and spot application equipment. To avoid spray drift, do not use nozzle/pressure combinations that produce fine droplets. Maintain water rates at those recommended – refer Application Table.

Compatibility: May be used in tank mixtures with most other products.

Spectrum of Control: Cutlass Herbicide is active against many broadleaf weeds and is particularly useful in assisting the activity of phenoxy herbicides such as MCPA and 2,4-D. Cutlass Herbicide can be mixed with Glyphosate where white clover control is desired. Do not plant legume crops (peas, lucerne, clover, lupins) within 28 days of using Cutlass Herbicide. Grass, cereal and Brassica crops do not require any waiting period.

Weeds controlled: Alligator weed, black medic, black nightshade, Californian thistle, cape weed, catsear, chamomiles, chickweed, cleavers, clovers, cornbind, cut leaved geranium, dandelion, docks, dove's foot, fathen, fennel, field bindweed, fireweed, goat's rue, greater bindweed, hawkbit, hemp nettle, hedge mustard, hemlock, inkweed, leafy spurge, mallows, mouse eared chickweed, Onethunga weed, nipplewort, pearlwort, pennroyal, perennial sow thistle, prostrate amaranth, redroot (amaranth), ragwort, selfheal, shepherd's purse, sheep's sorrel, sow thistle, stinking mayweed, spiny emex, spurrey, thorn apples, vetches, wild onion, wild carrot, willow weed (redshank), wireweed, yarrow.

Cutlass Herbicide does not control fumitory, plantains, starweeds, stone crop, or speedwells.

NOTE: Cutlass Herbicide injures clover and re-establishment of clover in pasture may be difficult for up to 2 months after spraying.
<table>
<thead>
<tr>
<th>USE</th>
<th>RATE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct drilling of brassicas, cereals</td>
<td>Apply 600mL Cutlass Herbicide +</td>
<td>Graze pasture and allow 5-10 cm of regrowth before spraying. Allow 3</td>
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<tr>
<td>and pasture grasses</td>
<td>2.2L of a glyphosate 490 g/L product</td>
<td>days for chemical to be absorbed, then drill as soon as possible (5-7</td>
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<td></td>
<td>in 100-200L water per hectare.</td>
<td>days for couch, Californian thistle)</td>
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<td></td>
<td>See glyphosate label rates</td>
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<td></td>
<td>for problem weeds.</td>
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<tr>
<td>Cereals – wheat, barley and oats</td>
<td>140-280mL Cutlass Herbicide + 1.5-2</td>
<td>Apply only when the crop is at the 4-5 leaf stage between tillering</td>
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<td></td>
<td>litres of a MCPA 375 g/L product in</td>
<td>and jointing. Use the lower rate for young weeds and the higher rate</td>
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<td></td>
<td>100-200 litres water per hectare.</td>
<td>for more advanced weeds and where Californian thistle is present. Do</td>
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<tr>
<td></td>
<td></td>
<td>not spray crops undersown with clover or Lucerne.</td>
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<tr>
<td>Turf</td>
<td>800mL Cutlass Herbicide + 3 litres</td>
<td>Apply as a boom spray.</td>
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<tr>
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<td>of a MCPA 375 g/L in 150-200L water</td>
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<td>per hectare.</td>
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<tr>
<td>Linseed</td>
<td>240-280mL per 100-200 litres water</td>
<td>Spray after the crop has 4 true leaves and before flower buds have</td>
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<td></td>
<td>per hectare.</td>
<td>formed in stem tips. Do not use when crop is undersown with clovers or</td>
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<td></td>
<td></td>
<td>Lucerne.</td>
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<tr>
<td>Maize</td>
<td>400-600mL per 200 litres water per</td>
<td>For control of fathen (including atrazine resistant), field bindweed</td>
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<td></td>
<td>hectare.</td>
<td>and Californian thistle. Apply as an overall spray when the maize is</td>
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<td></td>
<td></td>
<td>10-30cm in height. For larger weeds use the higher rate. On short</td>
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<td>relative maturity hybrids (100 days or less) use the lower rate and</td>
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<td>apply at the earlier growth stage. For small maize and weeds, position</td>
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<td></td>
<td></td>
<td>boom height relative to the ground. As maize and weeds grow, raise</td>
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<td>boom height to adjust for maize height. (Avoid positioning nozzles</td>
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<td>directly over the maize whorl).</td>
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<tr>
<td>Marrow-stemmed kale (chou mollier),</td>
<td>280-340mL per 200 litres water per</td>
<td>Spray when crop is at the 4-6 the leaf stage when weeds are small and</td>
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<td>thousand headed kale</td>
<td>hectare.</td>
<td>actively growing.</td>
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<tr>
<td>Oil seed rape</td>
<td>200-280mL per 200-300 litres water</td>
<td>Spray when crop is at the 4-6 true leaf stage when weeds are small and</td>
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<td></td>
<td>per hectare.</td>
<td>actively growing. Do not exceed the higher rate and do not spray crops</td>
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<td>in stressed growth conditions.</td>
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<tr>
<td>Pasture</td>
<td>100mL Cutlass Herbicide + 500mL of</td>
<td>For the control of Californian thistle, apply as a spot spray just</td>
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<td></td>
<td>a MCPA 375 g/L per 100 litres water</td>
<td>prior to flowering.</td>
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<td>120-140 mL Cutlass Herbicide + 660mL of a 2,4-D</td>
<td>For ragwort control, apply as a spot spray. Avoid spraying</td>
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<td></td>
<td>520 g/L product per 100 litres water</td>
<td>surrounding pasture. Even repeated applications may not</td>
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<td>control regrowth ragwort, which is often characterised by multicrows.</td>
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<tr>
<td>Waste areas</td>
<td>80 – 120 mL Cutlass Herbicide +</td>
<td>Apply as a wetting spray in spring or autumn. Add an Amtire 400 g/L</td>
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<td>330mL of a 2,4-D 520 g/L product per</td>
<td>product or Glyphosate 490 g/L product to the mixture at recommended</td>
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<td>100 litres water</td>
<td>label rates for grass weed control. Add Simanex SC Herbicide for long</td>
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<tr>
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<td>term control.</td>
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</tbody>
</table>

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HSNO classifications 6.1E, 6.3A, 6.4A, 6.9B, 9.1A, 9.2A, 9.3B, 9.4B
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.

RESISTANCE MANAGEMENT
Cutlass contains the GROUP O2 herbicide, dicamba. Do not use another product containing a herbicide in the same group in conjunction with Cutlass, 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.

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