

WARNING
KEEP OUT OF REACH OF CHILDREN



TOMAHAWK[®] HERBICIDE

GROUP 03 HERBICIDE

For the control of broadleaf weeds in cereals and apples

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active Ingredient:

Contains 200 g/L FLUROXYPYR as the methylheptyl ester in the form of an emulsifiable concentrate, also contains 638 g/L HYDROCARBON LIQUID

Adama New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

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

ADAMA

REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**HAZARD CLASSIFICATIONS: 3.1D, 6.1E, 6.4A, 9.1A, 9.2A****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.

RECORD KEEPING

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.

WARNING**COMBUSTIBLE LIQUID**

Keep away from flames and hot surfaces.

May be harmful if swallowed, in contact with skin or inhaled.

Causes eye irritation.

ECOTOXICITY

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

Very toxic to the soil environment.

HANDLING PRECAUTIONS

Keep out of reach of children.

Wash hands and exposed skin thoroughly after handling.

EQUIPMENT

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

STORAGE

Store in the original, unopened container in a well-ventilated, cool, dry place, out of direct sunlight and away from sources of ignition, stockfeed or foodstuffs. In case of fire use dry chemical, water spray, foam or carbon dioxide for extinction.

There are requirements when storing this product in a workplace, relating to labelling, safety data sheets, stationary container systems, separation distances, secondary containment, emergency response plans, and signage; and in a place other than a workplace, relating to stationary container systems, separation distances, emergency response plans, secondary containment, and signage.

Secondary containment and emergency response plans are required where greater than 100 L of this product are stored. Refer to the product SDS for further information.

TRANSPORT

Do not carry packs greater than 10 L 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.

PERSONAL PROTECTION

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, chemical resistant boots 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 personal protection section 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, 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 medical advice is needed have product container or label at hand.

For advice, or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN: Call a POISON CENTRE or 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 eye irritation persists, get medical attention.

IF INHALED: Call a POISON CENTRE or doctor if you feel unwell.

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.



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Registered pursuant to the ACVM Act 1997, No. P7327

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000512

See www.epa.govt.nz for approval controls

Tomahawk 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:

Bar code to be inserted

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IF INHALED: Call a POISON CENTRE or doctor if you feel unwell.

SAFETY DATA SHEET

A Safety Data Sheet for this product is available at www.adama.com or from Adama New Zealand Limited on request. Call 03 543 8275.

DIRECTIONS FOR USE

TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA. OFF-TARGET DRIFT MAY CAUSE DAMAGE TO NON-TARGET PLANTS.

It is an offence to use this product on animals.

CEREALS

TOMAHAWK 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.

WEEDS	RATE	COMMENTS
Black nightshade Docks (seedling)	0.75 L/ha	Weeds should be at the 2-6 leaf stage.
Field chickweed	1 L/ha	Apply before flowering.
Cleavers	1.25 L/ha	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	1.25 L/ha	Apply to wireweed and cornbind at the 2-6 leaf growth stage. Apply to field madder before flowering.
Volunteer potato	2 L/ha	Suppression only. Apply when volunteer potatoes are 10-20 cm in height.

WEEDS	RATE	COMMENTS
		Level of control will vary according to potato vigour, variety and crop competition.

The addition of an MCPA herbicide to TOMAHAWK 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 label for application timing.

APPLES

TOMAHAWK 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	COMMENTS
White clover	1.5 L/ha	Add Boost Penetrant at 100 mL/100 L spray mix
Docks	1.5 L/ha	Apply TOMAHAWK HERBICIDE in mixture with 2 L/ha glyphosate (360 g/L formulation) and Boost Penetrant at 100 mL/100 L spray mix.
Large flowered mallow Creeping mallow	2.0 L/ha	Apply TOMAHAWK HERBICIDE in mixture with 3 L/ha glyphosate (360 g/litre formulation) and Boost Penetrant at 100 mL/100 L spray mix.

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 PERIODS

Cereals: Do not graze failed crops for 7 days after application.
Apples: Do not harvest within 28 days of application.

MIXING

Half fill the spray tank with water and add the required quantity of TOMAHAWK HERBICIDE. When tank-mixing with other herbicides add the TOMAHAWK HERBICIDE last.

COMPATIBILITY

TOMAHAWK is compatible with glyphosate, MCPA, 2,4-D-amine, clopyralid and most commonly used fungicides and insecticides.

APPLICATION

TOMAHAWK HERBICIDE can be applied using conventional ground spraying equipment. Flush equipment thoroughly with clean water after use.

Boom spraying: Use 100–200 L of water/ha in accordance with The New Zealand Standard for the Management of Agrichemicals (NSZ8409) as a medium quality spray. For late applications use 300 L of water/ha re as medium quality spray to obtain more complete coverage.

RAINFALL

Do not apply if rain is likely to occur within two hours of application.

RESISTANCE MANAGEMENT

TOMAHAWK HERBICIDE contains the GROUP O3 pyridine carboxylic acid herbicide, fluroxypyr. Do not use another product containing a herbicide in the same group in conjunction with TOMAHAWK HERBICIDE, 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. 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. Contact your agronomist, Adama representative or specialist advisor for resistance management advice.

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