

DANGER

KEEP OUT OF REACH OF CHILDREN • READ LABEL BEFORE USE
NOT FOR USE IN HOME GARDENS



ARCHER® 750

DUAL SALT

SCAN ME



ACTIVE INGREDIENT:
750g/L CLOPYRALID

AS THE DIMETHYLAMINE AND
MONOMETHYLAMINE SALT IN THE FORM
OF A SOLUBLE CONCENTRATE

FREE RECYCLING



www.agrecovery.co.nz

Herbicide for the control of
certain broadleaf weeds in
a wide range of crops.



Grow a better tomorrow

ARCHER® 750**GHS CLASSIFICATION:**

Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 3.

Restricted to workplace: The person in charge of a place where Archer 750 is sold may sell the substance to a person only if he or she has received written notification that a competent or authorised person at the workplace will accept responsibility of the substance.

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

DANGER

- Causes damage to liver through prolonged or repeated exposure.
- Harmful to aquatic life with long-lasting effects. Avoid contamination of any water supply with product or empty container.
- Very toxic to the soil environment.
- Selective herbicide – very toxic to some plant species. Certain plants may be killed or damaged from root uptake of this product.
- **Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.** Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
- When applied using aerial or ground-based application methods, the nozzle must be set to coarse droplet quality spray, as defined by the American Society of Agricultural and Biological Engineers ASABE (S572) or the British Crop Production Council guideline. To minimise the risk of damage from drift of this product, especially where susceptible vegetation is within 0.5km, use low drift nozzles which minimise the production of small droplets (less than 100 microns). Maintain a water rate of at least 30 litres/ha for aerial spraying. Do not add additional wetter unless specified on the label. Preferred wind conditions for spraying are a light constant breeze away from any sensitive crops. Archer 750 must not be applied when the wind speeds are less than 3km/hr or more than 20km/hr as measured at the application site.
- Harmful to terrestrial vertebrates.
- This product must not be applied onto or into water.
- Treated vegetation must not be disposed of at any green waste recycling centre.
- Do not use hay or other plant material that has been treated with this substance within 10 weeks of harvest to make compost, mulch susceptible crops and make mushroom substrate. Do not make compost from manure, paunch grass or dairy effluent unless it is from clopyralid-free animals.

HANDLING PRECAUTIONS

The person mixing or applying Archer 750 must be a “Qualified Contractor” or a “Qualified Person”. The spray mixture may also be prepared by a “Qualified Loader”.

STORAGE

- Store in original container tightly closed and in a locked, dry, cool, area away from foodstuffs, seeds, and fertilisers. Store in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 100 litres of Archer 750 require signage, 1000 litres require bunding, and more than 1000 litres require emergency response plans.

PERSONAL PROTECTION

- Use personal protective equipment as required. Avoid skin and eye contact and inhalation of spray mist. When handling, wear eye protection, waterproof gloves, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly after handling. Store locked up.

EQUIPMENT

- Apply using well maintained and accurately calibrated spray equipment.
- Flush equipment thoroughly with clean water after use. If the spray unit which has applied Archer 750 is to be used for the application of other chemicals to sensitive crops, ensure the unit is completely decontaminated.

DISPOSAL

- Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.
- Dispose of product only by using according to the label, or at an approved landfill.

First Aid: If medical advice is needed, have the product container or label at hand. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. IF INHALED: Call doctor if you feel unwell.

Spillage: Collect spillage. Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert material. Sweep up contaminated material and dispose of safely in an approved landfill.

Record Keeping: Written record of each application must be kept where members of the public may lawfully be present, or, where the substance is likely to enter air or water and leave the place.

Mixing: Archer 750 mixes readily with water. Pour the measured quantity of Archer 750 into the partly filled spray tank and add the remainder of the water. Mix well during filling.

DIRECTIONS FOR USE:

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.

The maximum annual application rate for Archer 750 is 1.2L/ha (equivalent to 0.9 kg/ha clopyralid) with a single maximum application rate of 800ml/ha (equivalent to 0.6 kg/ha clopyralid). The maximum number of applications is three with a minimum application interval of three weeks.

The maximum annual application rate for Archer 750 when used in forestry is 4L/ha (equivalent to 3kg/ha clopyralid) with a maximum two applications per year and a minimum interval of 3 months between applications.

The maximum application rate for Archer 750 when used on old man's beard is 10L/ha (equivalent to 7.5 kg/ha clopyralid) with a maximum one application per year.

Archer 750 is selective to a wide range of crops except legumes and Compositae (daisy family). It is compatible with most commonly used herbicides. Archer 750 is damaging to clovers. At 40 ml/ha clovers in pasture may be severely suppressed for 2-6 months. Above 40 ml/ha clovers may be removed from the sward.

TURF AND AMENITY AREAS (golf courses, sports fields and playing fields):

WEEDS	RATE			COMMENTS
	Broadcast Litres/ha	Spot spray High Vol. ml/100L	Spot spray Knapsack ml/10L	
Clover	0.3	30	7	Apply to actively growing plants
Californian thistle	0.4	40	10	Apply from rosette to early flower. Re-treatment may be required.
Bathurst bur, daisy, dandelion, hawksbeard, hawkbit, medics, Onehunga weed, oxeye daisy, narrow-leaved plantain, thistles (annual and biennial)	0.4	40	10	Apply to actively growing plants
Yarrow	0.4	40	10	Apply to actively growing foliage. Matted mature plants may need more than one application
Catsear, fireweed	0.6	60	14	Apply to actively growing plants
Ragwort, sow thistle, lotus	0.8	80	20	Apply to actively growing rosettes
Cape daisy	0.4- 0.8	80	20	Apply to actively growing rosettes. Use low rate on seedlings
Hemlock Lupin	Not recommended	40-80	10-20	Apply to actively growing plants.
Old man's beard	4.8- 10	200	50	
Broom, gorse	Not recommended	200	50	Apply to actively growing plants Oct-Jan

Resistance Management: Archer 750 is a pyridine carboxylate herbicide with an auxin mimic mode of action **GROUP4 HERBICIDE**. Some naturally occurring individual weeds may become resistant when excessive use of the same herbicide occurs. To maximise the effectiveness of herbicides, product containing alternate modes of action should be used in the spray program. Consult www.resistance.nzpps.org/ for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

DIFFICULT TO CONTROL THISTLES:

Add Archer 750 at 40-80ml/ha to enhance the efficacy of Relay® or Agritone™ against difficult to control thistles.

ASPARAGUS: (Established beds only)

To control Californian thistle, yarrow, clover and thistles.

Pre-cutting: Apply 0.2- 0.4 litre/ha to within 3 days of cutting
During cutting: Apply 0.2litre/ha. Do not cut within 3 days of treatment.
Post-harvest: Apply 0.2-0.4 litre/ha over spears. Use directed application if spears are opening or ferns are present. Some damage may occur if treatment is made over open spears or mature fronds.

FODDER AND SUGAR BEETS:

Apply 0.2-0.4 litre/ha for the control of Californian thistle and yarrow. Apply after the 2 true leaf stage of the crop and before bulbous root formation. Archer 750 may be mixed with Betasana Trio® herbicide.

FIELD BRASSICAS:

Apply 0.2-0.4 litre/ha for control of Californian and other thistles and yarrow. Apply after the 2 true leaf stage of the crop and before it closes over.

CEREALS:

Apply 0.12- 0.4litre/ha for the control of Californian thistle and yarrow and 0.4 litre/ha for control of volunteer potatoes. Apply after the 2 true leaf stage of crop and before the 2nd node stage. For volunteer potatoes apply after full potato emergence but before tuber formation. To improve the spectrum of weeds controlled, Archer 750 may be tank mixed with Agritone or other cereal herbicides, and should be applied at the timing recommended for these herbicides.

WARNING:

Do not use straw from Archer 750 treated crops for compost or mulch.

COMPATIBILITY:

Archer 750 is compatible with most commonly used herbicides and cereal fungicides and insecticides.

CONSERVATION TILLAGE:

Archer 750 controls a range of hard to control weeds such as clovers, Californian and other thistles, plantains and yarrow in conservation tillage programmes (minimum tillage or direct drilling).

WEEDS	RATE/HECTARE litres/ha	COMMENTS
Clovers, narrow-leaved plantain, thistles	0.2- 0.28	For best results apply to actively growing weeds
Californian thistle	0.4	Apply from rosette to early flower. Re-treatment may be required
Yarrow	0.4	Apply to actively growing yarrow, autumn to spring. For best results surface cultivate no less than one week after treatment.

For broad spectrum weed control in conservation tillage programmes, Archer 750 may be mixed with other herbicides such as paraquat or Crucial. Observe the directions and recommendations stated on the individual labels, when such products are used with Archer 750 in tank mixtures.

CROP ESTABLISHMENT:

Brassicacae, cereal and ryegrass crops may be drilled any time after application of Archer 750.

Do not plant susceptible crops (clover, peas, beans, potatoes, tomatoes, carrots, cucurbits) within 12 weeks of applying up to 0.2litres/ha of Archer 750. Where more than 0.2litres/ha is applied do not plant susceptible crops within 6-12 months of treatment without sowing a small area first to check soil residues.

FORESTRY: (Radiata pine)

Apply 4 litres/ha in mixture with Scrubcutter at 1 litre/ha to release trees from gorse, broom and wattles. Add Pulse® Penetrant to improve weed control.

Temporary light damage to trees in the form of distortion may occur, particularly where the trees are well above competing weeds.

To suppress weeds and allow the trees to compete, apply to gorse and broom after flowering and during soft spring growth. Best results are obtained from treating gorse up to 1 metre high. For the control of wattle best results are achieved from treating actively growing plants less than two metres tall. Good control of *Acacia dealbata* (silver wattle) and *Albixia lophantha* (brush wattle) is achieved. *Acacia decurrens* (green wattle) is not controlled.

SPOT TREATMENT:

Hand gun: Use 200ml/100 litres of water applied to full coverage through a No. 6-8 tip at 1000-2500 kPa. Add Pulse® Penetrant to improve weed control.

Mistblower: Use 16/litre. For ULV attachment use 80ml/litre of water using the No. 3 or 4 hole. Add Pulse® Penetrant to improve weed control.

MAIZE AND SWEETCORN: Apply 0.2- 0.4litre/ha for the control of Californian thistle, yarrow and Bathurst bur, and 4 0.4litre/ha for control of volunteer potatoes. Apply after the maize or sweetcorn reaches the 3 leaf expanded stage but before crop closure. For volunteer potatoes apply after full potato emergence but before tuber formation.

ORCHARDS:

To control susceptible broadleaf weeds in mature pipfruit, stonefruit and citrus orchards, apply Archer 750 at the recommended rates in the pre-flower or early post-flower period. Direct spray to minimise contact with trees.

SHELTER AND ORNAMENTAL TREES:

Apply 0.4- 0.8litres/ha as a directed spray. Use rates as for amenity areas. Shelter trees such as conifers, willows, poplars, Casuarinas, Cryptomeria and Eucalyptus are tolerant. Many other trees and shrubs are also tolerant. If tolerance is not known, treat only a few plants to gain experience. Do not apply to legumes or Compositae.

EQUIPMENT:

Aerial: Use 200-400 litres of water per hectare. Apply with a calibrated aircraft using the half overlap opposite pass flying technique.

Boom: Archer 750 can be applied with conventional boom application equipment. Use up to 300 litres of water per hectare. Flush equipment thoroughly with clean water after use.

High Volume Gun Application: Ensure thorough coverage of all weeds using a No.6 tip or similar at 1000-2000 kPa.

Mistblower: To control woody weeds use 40ml/litre of water. For ULV attachment use 200ml/litre of water using the No. 3 or 4 hole. Ensure thorough coverage.

Knapsack Applications: When using a knapsack for broadcast application use at least 400 litres of spray mix/ha. For spot treatment ensure thorough coverage.

Lawnboy: Use 8ml per 10 litre tank as a double pass application.

'Carpet' Type Weed Wipers: For control of Californian thistle mix 100ml Archer 750 with 10 litres of water. Follow the rotary weed wiper manufacturer's operating instructions to apply the herbicide mix.

CONDITIONS OF SALE:***CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER***

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

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

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



UN 3082
ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S (Clopyralid)
Class 9, PG III, Marine Pollutant

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