

DANGER – KEEP OUT OF REACH OF CHILDREN. CORROSIVE. ECOTOXIC.


ravensdown

HERBICIDE

Pasture Guard[®] D-Amine 720

A broadleaf herbicide for
control of broadleaf weeds
in cereals and pasture

ACTIVE INGREDIENT:

Contains 720g/litre 2,4-D as the
diethanolamine and dimethylamine salts
in the form of a soluble concentrate.



Registrant: Ravensdown Ltd
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BATCH:
D.O.M:

NET CONTENTS
20 Litres

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PASTURE GUARD® D-Amine 720 | READ LABEL CAREFULLY BEFORE USING

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

HAZARD CLASSIFICATION: 6.1D, 6.9A, 8.3A, 9.1B, 9.2A, 9.3B

QUALIFIED PERSON: This product must be under the control of a Qualified Person or Contractor, as per Part 4C of the Hazardous Property Controls EPA Notice.

TOXICITY

Toxic - May cause organ damage from repeated oral exposure at high doses.
Danger - this product is corrosive and may cause eye damage.
Harmful - May be harmful if swallowed, inhaled or absorbed through the skin.

ECOTOXICITY

Toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with chemical or empty container. Do not apply directly into or onto water.
Very toxic to the soil environment. Selective herbicide - very toxic to some plant species. Decontaminate spray equipment before use on a sensitive crop. **Beware - apply this product carefully. Spray drift may cause serious damage to desirable plants.** Ensure compliance with any relevant regional air management plans. Do not allow spray drift over aquatic environments.
Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

STORAGE

Keep out of reach of children.
Store in accordance with NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a locked, dry, cool, well ventilated area away from foodstuffs, fertilisers and seeds. Avoid storing this product with Class 1, 2, 3.2, 4 or 5 substances.
Stores containing 100L of PASTURE GUARD D-AMINE 720 are subject to signage and secondary containment. More than 100L require emergency response plans.

PERSONAL PROTECTION

Avoid contact with skin and eyes and do not inhale spray mist. When handling wear protective clothing such as chemically resistant gloves and boots, eye protection and overalls. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work.
Do not eat, drink or smoke while using.

EQUIPMENT

Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use.

RECORD KEEPING

Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

DISPOSAL

Triple rinse container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush or puncture and bury in an approved landfill.
Do not burn container. Do not use container for any other purpose. Dispose of product only by using according to label directions or dispose of safely at a managed landfill.

DIRECTIONS FOR USE - RATE AND TIMING OF APPLICATION

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.

Crop	Rate	Critical comments
Barley, millet, ryecorn, wheat	1.1-1.7 L/ha	Apply from 6 leaf stage of crop to jointing (when nodes are visible at the base of the stem). DO NOT apply to barley or wheat between jointing stage and flowering. Spring sown cereals undergoing rapid growth should be treated with MCPA, e.g. Pasture Guard MCPA 750
Oats	1.1 L/ha	Apply to autumn sown oats only, and treat in the following spring when plants are fully tillered. For spring sown oats, use MCPA, e.g. Pasture Guard MCPA 750
Pasture	1.7-3.4 L/ha	Use the lower rate for seedling weeds and small plants, the higher rate for more mature plants. Treat seedling weeds in late autumn or early winter. Graze area to be treated to expose weeds and reduce clover leaf. Then leave for 1 week to freshen up before spraying. As treated weeds are more palatable to stock, avoid grazing for 14 days after spraying.

FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed, Rinse mouth. **DO NOT** induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If contact with eyes occurs, wash out immediately with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If inhaled, move the patient to fresh air immediately. Begin artificial respiration if breathing has stopped. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell.

SPILLAGE

In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Prevent material coming into contact with Class 1, 2, 3.2, 4 or 5 substances. Contain liquid spills and absorb with inert material such as soil or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

EMERGENCY RESPONSE

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call **0800 CHEMICAL (0800 243 622)**.

SAFETY DATA SHEET

If additional safety information is required, refer to the Safety Data Sheet. For a copy, contact the customer centre on 0800 100 123.

TRANSPORT

Do not carry 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.

GENERAL DIRECTIONS

Before opening, carefully read warning statement, precautions instructions, first aid instructions and directions for use. PASTURE GUARD D-AMINE 720 is a non-volatile selective herbicide for control of a range of broadleaf weeds in pasture and cereals. Use low rates on seedling weeds and higher rates on larger weeds or under dry hardened growth conditions. Avoid application where the crop or weeds are under stress eg drought or frost. Best results are obtained when weeds are in the seedling stage of growth and are actively growing. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

APPLICATION

PASTURE GUARD D-AMINE 720 can be applied with conventional ground and aerial equipment. Use the higher water rates for difficult to control perennial weeds.

Aerial: Use 30-100L of water per hectare. To minimise damage to susceptible vegetation within 500m, use low drift nozzles which minimise the production of small droplets (100 microns).

Boom: Use 100-300L of water per hectare in most situations. For hard to kill weeds use 200-500L of water per hectare.

Spot Spraying

Hand gun: Use 550ML PASTURE GUARD D-AMINE 720 per 100L of water and ensure thorough coverage of the plant.

Knapsack: For annual weeds use 55ml per 10L of water.

MIXING

Partly fill the spray tank with water, and add the required quantity of PASTURE GUARD D-AMINE 720. Maintain agitation through filling and spraying.

COMPATIBILITY

PASTURE GUARD D-AMINE 720 is compatible with most commonly used herbicides.

RAINFALL

DO NOT spray if rain is expected within six hours of spraying.

SPRAYER DECONTAMINATION

Always wash tank and flush equipment thoroughly with clean water after use. To avoid subsequent injury to sensitive crops, immediately after spraying thoroughly remove all traces of PASTURE GUARD D-AMINE 720 from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms and hoses with clean water.
2. Quarter fill the tank with clean water and add 500g of an alkali detergent per 100L of water. Circulate through the system for at least 15 minutes with agitation then drain.
3. Drain the whole system.
4. Nozzles and filters should be removed and cleaned separately.
5. Finally, rinse tank thoroughly with clean water, flush through hoses and boom and allow to drain.

INGREDIENTS

PASTURE GUARD D-AMINE 720 contains 720g/L 24D as the active ingredient and less than 1% free amine as a solubiliser.

PASTURE MANAGEMENT

PASTURE GUARD D-AMINE 720 is damaging to all clovers, particularly red, subterranean and suckling clover and to plantain and chicory. To minimise pasture damage, graze pasture to reduce clover leaf and to expose target weeds, and leave for one week to allow weeds to recover before spraying. **DO NOT** spray hay or silage paddocks. Buttercup is better controlled with MCPA, e.g. Pasture Guard MCPA 750. To improve control of thistles, add a clopyralid herbicide, eg. Multiple. NOTE: clopyralid will severely suppress clovers, which may take 6 - 12 months to recover. Bindweeds and Californian thistle will require repeat treatments.

New Pasture: PASTURE GUARD D-AMINE 720 can be used in newly established pasture, but the maximum application rate should not exceed 1.7L/ha (1.1L/ha if red clover has been sown). Clovers must have at least 3 trifoliate leaves, and pasture must be grazed 3-7 days before application to remove clover foliage and minimise clover damage. Soils should have adequate nitrogen status. Clover growth will be suppressed for 3-4 months.

CLOVERS

PASTURE GUARD D-AMINE 720 is damaging to all clovers, particularly red, subterranean and suckling clover.

RESISTANCE MANAGEMENT:

PASTURE GUARD D-AMINE 720 contains 2,4-D, a [GROUP 2] HERBICIDE from the phenoxy carboxylic acid chemical group with the action like indole acetic acid (synthetic auxins) mode of action. Naturally occurring weed biotypes resistant to phenoxy carboxylic acids are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include nodding thistle, slender winged thistle and buttercup. To prevent or delay development of resistant biotypes, use PASTURE GUARD D-AMINE 720 in tank mixture, or rotation with herbicides of a different mode of action against the weed.

Consult www.resistance.nzpps.org/ for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

Plant Back periods: 2,4-D has soil activity which may be exacerbated by dry soil conditions. To ensure that susceptible species (e.g. brassicas, grasses, clovers) are not damaged by 2,4-D soil residues, do not plant for 4 weeks after application.

ANIMAL SAFETY

Poisonous plants such as ragwort may become more palatable after spraying. If concerned that stock health maybe affected, stock should be kept away from the treated area until plants have died down. Delay grazing for two weeks after spraying to allow time for the herbicide to have maximum effect on the weeds.

Weeds Controlled in Cereals: Fathen, hedge mustard, nettles, shepherds purse, wild turnip (at lower rate) Black nightshade, calandrinia, docks (seedling), thistles (at higher rate) Chamomiles, cornbind, docks (regrowth), fumitory, spurrey, stinking mayweed, willow weed, wireweed, yellow, vetch (checked at higher rate only)

Weeds Controlled in Pasture: A wide range of seedling weeds, including thistles and ragwort. However, larger weeds and established biennial weeds may not be well controlled. Perennial weeds will not be well controlled.

The following weeds will not be controlled: Chickweed, cleavers, grasses, hydrocotyle, stinking mayweed, oxalis, prostrate amaranth, parsley pier, pearlwort, sorrel, staggerweed.

Registered pursuant to the ACVM Act, No.P9439. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Code: HSRO07878. See www.epa.govt.nz for approval controls.

WARRANTY AND LIMITATION

IMPORTANT: Read this notice before opening the container.

The registrant warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. The registrant gives only those other warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. The registrant declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. The registrant is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.

PHONE 0800 100 123

