

DANGER

KEEP OUT OF REACH OF CHILDREN

Read label before use

ECOTOXIC

AGPRO 2,4-D Amine 720

Herbicide for the control of broadleaf weeds in cereals and pasture.

Contains 720g/L 2,4-D as the dimethylamine salt in the form of a soluble concentrate.

20L

Registered pursuant to the ACVM Act 1997, No. P9799
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSNO Act 1996,
Approval Code HSR007878
See www.epa.govt.nz for approval controls

Registered to and distributed by:
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AGPRO



HAZARD CLASSIFICATION

Acute oral toxicity Category 4
Serious eye damage Category 1
Specific target organ toxicity repeated exposure Category 1
Hazardous to the aquatic environment chronic Category 2
Hazardous to soil organisms
Hazardous to terrestrial vertebrates

HSNO Classification: 6.1D, 6.9A, 8.3A, 9.1B, 9.2A, 9.3B

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

DANGER

TOXICITY

Harmful if swallowed. Causes serious eye damage. Causes damage to organs through prolonged or repeated exposure.

ECOTOXICITY

Toxic to aquatic life with long lasting effects. Very toxic to soil organisms. Toxic to terrestrial vertebrates.

PRECAUTIONS

QUALIFIED HANDLER

This product must be under the control of a suitably qualified handler during handling, mixing, loading or application.

Selective Herbicide – very toxic to some plant species. This product must not be applied into or onto water. Avoid contamination of any water supply with

product or empty container. Application to drains, ditches and irrigation channels must only be made when these waterways are dry and at least one month is allowed to elapse before the channels are used to carry water.

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.

Aerial application: To minimise the risk of damage from spray drift, especially where susceptible vegetation is within 500 metres, use low drift-nozzles (finer than BCPC or ASABE S572) which minimise the production of small droplets (< 100 microns). The preferred wind conditions for spraying are a light, constant breeze that is away from sensitive crops. Ensure compliance with relevant regional air management plans.

PERSONAL PROTECTION

Avoid contact with skin and eyes, ingestion and inhalation of spray mist. When mixing or applying this product, overalls, boots, gloves and eye protection should be worn. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area avoiding direct sunlight and away from foodstuffs, fertilisers or seeds. Storage must be in accordance with

Proper Shipping Name	Class	UN No.	Packing Group	Hazchem
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains 2,4-D 72%)	9	3082	III	3Z

Batch Number:

Date of Manufacture:



LBL006.1

the current version of Management of Agrichemicals (NZS 8409). Stores containing 1000 L or more of **AGPRO 2,4-D Amine 720** require secondary containment, signage and an emergency plan.

EQUIPMENT

Apply only with appropriate, well-maintained and calibrated equipment in accordance with NZS 8409.

RECORDS OF APPLICATION

If 3kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, written records must be kept.

DISPOSAL

PRODUCT DISPOSAL: Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.

CONTAINER DISPOSAL: Triple rinse container and add rinsate to the spray tank. Recycle clean containers at an Agrecovery depot, or puncture and dispose of at an approved landfill. Do not burn. Do not use container for any other purpose.

FIRST AID

For advice call the National Poisons Centre 0800 POISON (0800 764 766) (24 hours) or a doctor. If medical advice is needed have product container or label to hand.

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Call the Poisons Centre or a doctor if you feel unwell.

IF IN EYES: Immediately call the Poisons Centre or a doctor. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

IF ON SKIN OR HAIR: Remove contaminated clothing and flush with water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poisons Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade. For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622).

SPILLAGE

Exclude non-essential people from the area. Wear protective clothing and prevent chemical from entering waterways. Absorb liquid spills with inert material such as attapulgite, soil, etc., and place in a sealable and labelled waste container. Wash area with water and absorb with further inert material. Dispose of safely at an approved landfill.

SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit www.agpro.co.nz for a copy.

GENERAL INSTRUCTIONS

AGPRO 2,4-D Amine 720 is a non-volatile selective herbicide for control of a range of broadleaf weeds in cereals and pasture. Use low rates on seedling weeds and higher rates on larger weeds or under dry hardened growth conditions. Avoid application when the crop or weeds are under stress, e.g. drought or frost. Best results are obtained when weeds are in the seedling stage of growth and are actively growing.

APPLICATION

AGPRO 2,4-D Amine 720 can be applied with conventional ground and aerial equipment. Use the higher rates for difficult to control perennial weeds.

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

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

Spot spraying – Handgun: Use 500 mL **AGPRO 2,4-D Amine 720** per 100 L water and ensure thorough coverage of the plant.

Spot spraying - Knapsack: For annual weeds use 55 mL per 15 L of water.

DIRECTIONS FOR USE

MIXING

Partly fill the spray tank with water. Add the required amount of **AGPRO 2,4-D Amine 720** into the partly filled tank and add the remainder of the water while agitating. Agitate thoroughly before and during spraying and before spraying after a stoppage.

COMPATIBILITY

AGPRO 2,4-D Amine 720 is compatible with most commonly used herbicides.

RAINFALL

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

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Limits of Agricultural Compounds.

PASTURE MANAGEMENT

AGPRO 2,4-D Amine 720 is damaging to all clovers, particularly red, subterranean and suckling clover and to plantain and chicory. To minimize pasture damage, graze pasture to reduce clover leaf and 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. To improve control of thistles, add a clopyralid herbicide. Note: clopyralid will severely suppress clovers, which may take 6 -12 months to recover.

Bindweeds and Californian thistle will require repeat treatments.

New pasture: AGPRO 2,4-D Amine 720 can be used in newly established pasture, but the maximum application rate should not exceed 1.7 L/ha (or 1.1 L/ha if red clover has been sown). Clovers must be at least 3 trifoliate leaves, and pasture must be grazed 3 -7 days before application to remove foliage and minimize clover damage. Soils should have adequate nitrogen status. Clover growth will be suppressed for 3 -4 months.

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.

Weeds Controlled in Cereals: Fathen, hedge mustard, nettles, shepherd's 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, yarrow, 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, parley piert, pearlwort, sorrel, staggerweed.

ANIMAL SAFETY

Poisonous plants such as ragwort may become more palatable after spraying. If concerned that stock health may be 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.

RESISTANT WEEDS WARNING

GROUP	4	HERBICIDE
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AGPRO 2,4-D Amine 720 contains 2,4-D from the phenoxy carboxylic acid chemical group with the action like indoleacetic 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 **AGPRO 2,4-D Amine 720** in tank mixture, or in rotation with herbicides of a different mode of action against the weed. Refer to www.resistance.nzpps.org for further resistance management advice.

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 a MCPA formulation approved for use on cereals.
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 a MCPA formulation approved for use on cereals.
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.

CLEANING AND DECONTAMINATION

Always wash spray 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 **AGPRO 2,4-D Amine 720** from mixing and spray equipment by:

1. Drain the tank, then flush tank, booms and hoses with clean water.
2. Quarter fill the tank with clean water and add 500 g of an alkali detergent per 100 L water. Circulate through the system for at least 15 minutes with agitation, then drain.
3. Drain the complete spray system.
4. Remove nozzles and filters and clean separately.
5. Finally, rinse the tank with clean water, flush through the hoses and boom, and allow all the equipment to drain.

CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.