

**DANGER**

KEEP OUT OF REACH OF CHILDREN

Read label before use

**ECOTOXIC**

# AGPRO 2,4-D Ester 680

*Contains: 680g/litre 2,4-D as the ethyl hexyl ester  
in the form of an emulsifiable concentrate.*

A selective herbicide for the control of many broadleaf weeds  
in pasture and non-cropland areas.

## 20L

Registered pursuant to the ACVM Act 1997, No. P7861  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to HSNO Act 1996, HSR000962  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

Registered to and distributed by:  
**AGPRO NZ Ltd**  
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# AGPRO



## HAZARD CLASSIFICATION

Acute oral toxicity Category 4  
Skin sensitisation Category 1  
Specific target organ toxicity repeated exposure Category 1  
Hazardous to the aquatic environment acute Category 1  
Hazardous to the aquatic environment chronic Category 1  
Hazardous to soil organisms  
Hazardous to terrestrial vertebrates

## HSNO Classification:

6.1D, 6.5B, 6.9A, 9.1A, 9.2A, 9.3C

**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. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure.

**AGPRO 2,4-D Ester 680** also contains the following ingredients that are toxic and/or corrosive: solvent/emulsifier (<10%).

## ECOTOXICITY

Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment. Harmful 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 directly into or onto water. Avoid contamination of any water supply with product or empty container.

**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 which minimise the production of small droplets (< 100 microns). The preferred wind conditions for spraying are

Proper Shipping Name	Class	UN No.	Packing Group	Hazchem
<b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains 2,4-D as ethyl hexyl ester 68%)</b>	<b>9</b>	<b>3082</b>	<b>III</b>	<b>3Z</b>

Batch Number:

Date of Manufacture: **Batch/DOM oversticker**



LBL001.1

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. Contaminated work clothing should not be allowed out of the workplace.

### 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 the current version of NZ Standard for the Management of Agrichemicals (NZS 8409). Stores containing 100 litres or more of **AGPRO 2,4-D Ester 680** 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:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.

**IF ON SKIN OR HAIR:** Remove contaminated clothing and wash with plenty of soap and water. If skin irritation or rash 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).

### TRANSPORT

Do not carry on a passenger service vehicle.

### SPILLAGE

Exclude non-essential people from the area. Wear appropriate protective clothing/equipment 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 SHEETS

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit [www.agpro.co.nz](http://www.agpro.co.nz) for a copy.

### GENERAL INSTRUCTIONS

**AGPRO 2,4-D Ester 680** contains a phenoxy herbicide for the selective control of many broadleaf weeds in pasture and non-cropland areas.

**AGPRO 2,4-D Ester 680** controls most species of thistles, buttercups and many common pasture weeds.

It can also be used to control willows and Spanish heath.

### APPLICATION TIMING

Autumn, early winter or early spring treatment is recommended for best control from label rates. During winter when weeds are growing less actively, variable control can occur. Do not apply to weeds under stress (frost, drought).

### PASTURE MANAGEMENT

Graze the area before spraying to reduce clover leaf and to expose the weeds to the spray. Leave for one week to allow the weeds to freshen prior to spraying. Delay grazing the sprayed paddock for two weeks as premature grazing of the treated weeds may reduce the level of control. High rates of **AGPRO 2,4-D Ester 680** may cause temporary

suppression of clover, particularly red, subterranean and suckling clovers.

### ANIMAL SAFETY

Poisonous plants including but not limited to ragwort may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from the area until the plants have died down.

**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.**

### WITHHOLDING PERIOD

Except for animal safety reasons no withholding period is required when used as directed.

### PLANT BACK PERIOD

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

### RESISTANT WEEDS WARNING

GROUP	01	HERBICIDE
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Naturally occurring biotypes resistant to **AGPRO 2,4-D Ester 680** and other phenoxy herbicides are known to exist and can become more prevalent after many years of continuous phenoxy herbicide use. To delay or prevent resistance use **AGPRO 2,4-D Ester 680** in tank mixes as appropriate, and/or in rotations with herbicides that have a different mode of action. Refer to [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for further resistance management advice.

## COMPATIBILITY

Compatible with most commonly used herbicides.

## RAINFALL

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

## DIRECTIONS FOR USE

### MIXING

Stir or mix well. Add the full quantity of the product to the partly filled spray tank whilst agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. Agitate from the bottom if allowed to stand.

### APPLICATION METHOD

The product can be applied using conventional ground or aerial spray

equipment. Equipment must be thoroughly decontaminated after use as a large number of crops species are very susceptible to this herbicide.

**Aerial Spraying:** For pasture weeds use 30-60 litres of water/ha.

**Boom Spraying:** General: Use 100 - 200L of water/ha in most situations. Increase the water rate to 200-500 litres of water/ha on hard to kill weeds.

**CDA Spraying:** For pasture weeds use 15-50 litres of water/ha using spray equipment which will produce a droplet size of not less than 150 microns.

**Spot Spraying:** For pasture weeds use a pressure of 600-800kPa through a No. 4 tip.

## TREATMENT OF SPECIFIC WEEDS

Weeds	Application Rate	Comments
<b>Nodding Thistle</b>	1.5L/ha	Apply to small rosettes only whose root crown (determined by cutting plant off at ground level) is less than 2cm in diameter.
	2.0L/ha	Apply to rosettes whose root crown is 2-4cm in diameter and before flower stalk development.
	2.0L/ha plus <b>AGPRO Cloralid 300</b>	For thistles with root crowns greater than 4cm diameter and multicrown plants add <b>AGPRO Cloralid 300</b> at 100ml/ha.
<b>Variegated Thistles</b>	1.5L/ha	Apply to seedlings only.
	2.0L/ha	Apply to small rosettes less than 15cm in diameter.
<b>Winged Thistles</b>	1.5L/ha	Apply to seedlings only.
	2.0L/ha	Apply to rosettes prior to flower stalk emergence.

In areas where thistles have been found to be hard to kill add **AGPRO Cloralid 300** at 100ml/ha. **NOTE:** The addition of **AGPRO Cloralid 300** will suppress perennial clover and may kill annual clover.

Weeds	Application Rate	Comments
<b>Redroot, bur medick, buttercups (annual), catsear, cresses, dandelion, hedge mustard, hemlock, plantains, Scotch thistle</b>	0.75L/ha	Apply to seedlings only.
	1.5L/ha	Apply to small plants.
<b>Parsley dropwort, field bindweed, burdock, creeping mallow, fennel, fireweeds, hoary cress, foxglove, nettles, wild portulaca, ragwort, willow weed</b>	2.0-3.0L/ha	Apply to seedlings.

**Spot Spraying:** Use 500ml per 100 litres of water and ensure thorough coverage of the above weeds.

**Knapsack application:** Use 5ml per litre of water on the above listed weeds, ensuring full spray coverage.

<b>Willows Aerial application</b>	6L in 200-400L water/ha	Apply in late spring to fully leafed trees. Up to 2 treatments may be necessary at 12 monthly intervals.
	<b>Gun spraying</b>	350mL per 100 litres of water
<b>Stump Swabbing/ Frilling</b>	1:40 in diesel or waste oil	Apply to a freshly cut surface or frill immediately after cutting with a brush or knapsack sprayer.
<b>Spanish Heath</b>	500ml per 100 litres of water	Apply ensuring full coverage during active spring growth.

## CLEANING AND DECONTAMINATION

After using spray equipment, flush all equipment and lines with clean water.

If the same equipment which applied **AGPRO 2,4-D Ester 680** is to be used for any application onto or around sensitive crops, ensure that all spray equipment is thoroughly decontaminated after use as a large number of crop species are very susceptible to this herbicide.

## 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.