

POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



2,4-D IB ESTER 800

Herbicide

ACTIVE CONSTITUENT:
800 g/L 2,4-D present as the ISOBUTYL ester

GROUP 1 HERBICIDE

For the control of broadleaved weeds in wheat and barley, and in fallow situations before direct drilling or sowing of cereals, grain legumes, canola and pastures in WA only.

THIS IS A PHENOXY HERBICIDE THAT CAN CAUSE SEVERE DAMAGE TO NATIVE VEGETATION AND SUSCEPTIBLE CROPS SUCH AS COTTON, GRAPES, TOMATOES, OILSEED CROPS AND ORNAMENTALS.

IMPORTANT: READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT

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Batch Number:

Date of Manufacture:

APVMA Approval No: 83795/127857

DIRECTIONS FOR USE

General weed control

CROP/SITUATION	WEEDS	RATE	WHP	CRITICAL COMMENTS
Fallow spray prior to Direct Drilling or Sowing Winter cereals, Grain legumes, Pastures - non-legume, Canola	Refer to Weed Table 1	180-700mL	7 DAYS Do NOT graze or cut for stock food	DO NOT exceed 700mL of product/ha. DO NOT apply by air or ground-based misters. Apply ONLY by ground boom-spray (or knapsack if spot spraying). To reduce spray drift, keep the ground-boom as low as practicable. Night Spraying – Extra care is required to ensure that inversion conditions are not present. Low level temperature inversions will generally occur most evenings and are strongest around sunrise. Use smoke generator to determine wind direction and presence of inversion conditions. Observe the plant back periods given in the table in this leaflet. Must be tank mixed with a knockdown herbicide such as glyphosate, paraquat/diquat. Select appropriate rate from the Weed Table. For skeleton weed, spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum.
Wheat, Barley	Refer to Weed Table 2	700mL		Apply from first node stage (Z31) until the start of booting (when the head can be felt at the base of the stem).

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIOD

PASTURE, CEREAL CROPS – DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION

CROP HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

WEED TABLE 1

WEED	RATE/ha	CRITICAL COMMENTS
Amaranthus spp.	700mL	
Bathurst Burr	700mL	Spray from seedling to pre-flowering.
California Burr	700mL	Spray from seedling to pre-flowering.
Caltrop	500-700mL	Spray from seedling to pre-flowering.
Cape Tulip	700mL	Spray before flowering.
Capeweed	450-700mL	Spray up to rosette stage.
Charlock	350mL	Spray up to rosette stage.
Clover	500-700mL	
Dead Nettle	700mL	
Devil's Claw	700mL	Spray prior to pods forming.
Dock	700mL	Spray at rosette stage to kill top growth only.
Fat Hen	350-700mL	
Flatweed	700mL	
Fumitory – Red	700mL	Spray up to rosette stage.
Fumitory – White	350-700mL	Spray up to rosette stage.
Goosefoots	700mL	
Hoary Cress Whiteweed	700mL	Spray from late rosette to pre-flowering.
Hogweed/Wireweed	700mL	Spray up to rosette stage.
Horehound (Seedlings)	700mL	Late Autumn to early Spring.
Iron Weed, Corn Gromwell	700mL	
Lincoln Weed	700mL	Autumn spray before sowing improves control.
London Rocket	500mL	
Lupins	350-700mL	Spray up to rosette stage.
Melilotus/Hexham Scent	700mL	Spray up to rosette stage.
Melons - Camel, Paddy	350-700mL	
Mustards	200-700mL	Spray up to rosette stage.
Mexican Poppy	700mL	Spray rosette stage and before flowering.
Mintweed	500-700mL	

In a Transport Emergency
Dial **000**
Police or Fire Brigade

Special Poisons Advice:
13 11 26

WEED TABLE 1 continued

WEED	RATE/ha	CRITICAL COMMENTS
Muskweed	700mL	Spray up to rosette stage.
New Zealand Spinach	700mL	
Noogoora Burr	700mL	Spray seedling to pre-flowering.
Paterson's Curse	700mL	Spray seedling to rosette stage.
Poppy Wild	350mL	Spray up to rosette stage.
Rough Poppy	350-700mL	Spray young seedlings only.
Safflower	350-700mL	
Shepherd's Purse	700mL	
Skeleton Weed	700mL	Spray rosettes before aerial growth commences.
Stingless Nettle (Deadnettle)	700mL	
Stinging Nettle	700mL	Spray up to rosette stage.
Stinkwort	700mL	Spray younger plants.
Storksbill/Erodium	700mL	
Sunflower Seedlings	350-700mL	Spray multiple leaves.
Thistle – Saffron	350-700mL	Spray up to rosette stage.
– Slender/Shore	700mL	Spray at rosette stage.
– Spear	700mL	Spray at seedling to rosette stage.
– Star	700mL	Spray seedling to rosette stage.
– Variegated	350-700mL	Spray at rosette stage. Can cause stock poisoning.
Thornapple	350-700mL	Spray at seedling stage.
Tree Hogweed	700mL	Spray up to rosette stage.
Turnip Weed	350-700mL	Spray seedlings only.
Vetches/Tares	550-700mL	
Volunteer Canola	350-700mL	Spray up to rosette stage.
Ward's Weed	350mL	Spray at seedling stage.
Wild Cabbage	700mL	Spray up to rosette stage.
Wild Radish	350-700mL	Spray up to rosette stage.
Wild Turnip	180-700mL	Spray up to rosette stage.

WEED TABLE 2

WEED	RATE /ha	CRITICAL COMMENTS
Amaranthus spp.	700mL	
Bathurst Burr		Spray from seedling to pre-flowering.
California Burr		Spray from seedling to pre-flowering.
Caltrop		Spray from seedling to pre-flowering.
Cape Tulip		Spray before flowering.
Capeweed		Spray up to rosette stage.
Charlock		Spray up to rosette stage.
Clover		
Dead Nettle		
Devil's Claw		Spray prior to pods forming.
Dock		Spray at rosette stage to kill top growth only.
Fat Hen		
Flatweed		
Fumitory – Red		Spray up to rosette stage.
Fumitory – White		Spray up to rosette stage.
Goosefoots		
Hoary Cress Whiteweed		Spray from late rosette to pre-flowering.
Hogweed/Wireweed		Spray up to rosette stage.
Horehound (seedlings)		Late Autumn to early Spring.
Iron Weed, Corn Gromwell		
Lincoln Weed		Autumn spray before sowing improves control.
London Rocket		
Lupins		Spray up to rosette stage.
Melilotus/Hexham Scent		Spray up to rosette stage.
Melons – Camel, Paddy		
Mustards		Spray up to rosette stage.
Mexican Poppy		Spray rosette stage and before flowering.

WEED TABLE 2 continued

WEED	RATE /ha	CRITICAL COMMENTS
Mintweed	700mL	
Muskweed		Spray up to rosette stage.
New Zealand Spinach		
Noogoora Burr		Spray seedling to pre-flowering.
Paterson's Curse		Spray seedling to rosette stage.
Poppy Wild		Spray up to rosette stage.
Rough Poppy		Spray young seedlings only.
Safflower		
Shepherd's Purse		
Skeleton Weed		Spray rosettes before aerial growth commences.
Stingless Nettle (Dead Nettle)		
Stinging Nettle		Spray up to rosette stage.
Stinkwort		Spray younger plants.
Storksbill/Erodium		
Sunflower Seedlings		Spray multiple leaves.
Thistle		Spray up to rosette stage.
– Saffron		
– Slender/Shore		Spray at rosette stage.
– Spear		Spray at seedling to rosette stage.
– Star		Spray seedling to rosette stage.
– Variegated		Spray at rosette stage. Can cause stock poisoning.
Thornapple		Spray at seedling stage.
Tree Hogweed		Spray up to rosette stage.
Turnip Weed		Spray seedlings only.
Vetches/Tares		
Volunteer Canola		Spray up to rosette stage.
Ward's Weed		Spray at seedling stage.
Wild Cabbage		Spray up to rosette stage.
Wild Radish		Spray up to rosette stage.
Wild Turnip		Spray up to rosette stage.

Plant back days for 4Farmers 2,4-D IB Ester 800 Herbicide

CROP	RATES/ha	
	UP TO 440mL	440-700mL
Balansa Clover	7	7
Barley	1	1
Canola	14	21
Chickpeas	7	14
Cotton	10	14
Faba Beans	7	7
Field Peas	7	14
Lentils	7	7
Linseed	7	7
Lucerne	7	7
Lupins	28	28
Medics	7	7
Narbon Beans	7	7
Navy Beans	10	10
Oats	3	3
Perennial Ryegrass	7	7
Persian Clover	7	7
Phalaris	7	7
Rice	7	7
Safflower	7	14
Sorghum	3	7
Soybean	14	14
Sub-Clover	7	7
Sunflower	7	10
Triticale	1	3
Vetch	7	7
Wheat	1	3
White Clover	7	7

IMPORTANT:

WHEN APPLIED TO DRY SOILS AT LEAST 15MM OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.

RESTRAINTS:

GENERAL RESTRAINTS

DO NOT USE in any state or territory except WA.

Product MUST BE USED in accordance with relevant WA legislation and regulations.

NOTE: Refer to Department of Agriculture and Food for state restricted spray areas agric.wa.gov.au

DO NOT apply this product by aircraft or ground based misters.

DO NOT apply this product:

- in aquatic situations
- to rights of way
- as a harvest aid/salvage spray

DO NOT apply more than 560g ae/ha (700ml of this product per ha) (ae=acid equivalent)

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of runoff for at least:) days after application.

DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.

SPRAY DRIFT RESTRAINTS

DO NOT apply by a vertical sprayer

Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometers per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperate inversion conditions exist most evenings one to two hours before sunset and persist until one or two hours after sunrise.

DO NOT apply within 2km of potentially sensitive or susceptible aquatic areas, town sites or non-target vegetation. The latter includes commercial seedling and plant nurseries, horticultural crops, grapevines, tomato crops, intensive agricultural operations and wildflower processing crops, national parks, nature reserves, areas and aquaculture operations.

GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions. DO NOT apply by air. DO NOT spray in high winds. DO NOT spray crops or weeds outside the stages indicated in the Critical Comments as damage, loss of yield or inadequate weed control may result.

APPLICATION INFORMATION

This product may be used in either high or low volume sprays. Just pour into water and agitate.

Boom Spraying – Use 50-120L water/ha.

EQUIPMENT MAINTENANCE AND USAGE

Keep the spray unit for herbicides only if possible. Otherwise wash out the unit with a suitable tank cleaner or hot soapy water followed by several clear water rinses. Hoses cannot be cleaned and new hoses should be fitted when the unit is to be used for any other purpose.

RESISTANCE WEEDS WARNING

GROUP I HERBICIDE

4Farmers 2,4-D IB Ester 800 Herbicide is a member of the Phenoxy group of herbicides. 4Farmers 2,4-D IB Ester 800 Herbicide has the disruptors of plant cell growth mode of action.

For weed resistance management, 4Farmers 2,4-D IB Ester 800 Herbicide is a Group I herbicide. Some naturally occurring weed biotypes resistant to 4Farmers 2,4-D IB Ester 800 Herbicide and other Group I herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by 4Farmers 2,4-D IB Ester 800 Herbicide or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, 4Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers 2,4-D IB Ester 800 Herbicide to control resistant weeds.

RE-ENTRY PERIOD

If re-entering treated areas before the spray has dried, workers should wear overalls, elbow length gloves and water-resistant footwear. Clothing must be laundered after each day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Direct spray contact or even slight drift may cause severe injury or destruction of any susceptible crop or other desirable plants including trees and native vegetation. DO NOT use when breeze is blowing towards nearby susceptible plants.

This is a phenoxy herbicide that can cause severe damage to susceptible crops such as cotton, tobacco tomatoes, flowers, vegetables, vines, fruit trees, legume crops and pastures, oil seed crops or other susceptible plants and trees (eg, Kurrajongs, Belahs, Eucalypts).

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

INTEGRATED PEST MANAGEMENT

Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) program utilizing beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

Refillable containers

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of the undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Avoid contact with the eyes and skin. Do not inhale vapour.

When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and face shield or goggles.

When using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves.

If applying by hand wear half facepiece respirator with organic vapour/gas cartridge or canister. If product on skin, immediately wash area with soap and water.

If products in eyes, wash it out immediately with water.

After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.

After each day's use, wash gloves, respirator and if rubber wash with detergent and warm water, faceshield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766

SAFETY DATA SHEET

For further information please refer to the Safety Data Sheet. For a copy visit our website at www.4farmers.com.au

CONDITIONS OF SALE

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. 4Farmers' liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which 4Farmers Australia Pty Ltd shall have no liability.