



POISON

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

Nufarm
Estercide[®] 800
Herbicide

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

GROUP **I** HERBICIDE

For the control of broadleafed 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 susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals. Avoid spray drift onto any non-target vegetation.

READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.

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APVMA Approval No.: 31209/55233

DIRECTIONS FOR USE

Restraint:

DO NOT apply this product by air 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=active equivalent)

DO NOT apply within 2km of potentially sensitive or susceptible aquatic areas, townsites 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.

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

DO NOT use if rain is likely within 6 hours.

DO NOT USE in Vic, SA, Qld, NSW, Tas, ACT or NT.

SPRAY DRIFT RESTRAINTS

DO NOT apply with spray droplets smaller than a **COARSE or larger** spray droplet size category according to "APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories" located under this title in the GENERAL INSTRUCTIONS section of this label.

DO NOT apply when wind speed is less than 3 or more than 15 kilometres per hour as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are: 1 date with start and finish times of application; 2 location address and paddock/s sprayed; 3 full name of this product; 4 amount of product used per hectare and number of hectares applied to; 5 crop/situation and weed/pest; 6 wind speed and direction during application; 7 air temperature and relative humidity during application; 8 nozzle brand, type spray angle, nozzle capacity and spray system pressure measured during application; 9 name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

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

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.

DIRECTIONS FOR USE

SITUATION & CROP	WEEDS	STATE	RATE	CRITICAL COMMENTS
Fallow spray prior to Direct Drilling or Sowing Winter cereals, Grain legumes, Pastures – non-legume, Canola	Refer to Weed Table 1	WA only	180-700mL/ha	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 Roundup® PowerMAX, Credit®, plus Bonus®, Roundup® DST, Roundup® Attack™, Nuquat® 250 or Spray•Seed*/Revolver®. Select appropriate rate from the Weed Tale. 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/ha	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 PERIODS:****PASTURE, CEREAL CROPS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION****WEED TABLE 1:**

WEED	RATE	CRITICAL COMMENTS
Amaranthus spp.	700mL/ha	
Bathurst burr	700mL/ha	Spray from seedling to pre-flowering.
California burr	700mL/ha	Spray from seedling to pre-flowering.
Caltrop	500-700mL/ha	Spray from seedling to pre-flowering.
Cape tulip	700mL/ha	Spray before flowering.
Capeweed	450-700mL/ha	Spray up to rosette stage.
Charlock	350mL/ha	Spray up to rosette stage.
Clover	500-700mL/ha	
Dead nettle	700mL/ha	
Devil's claw	700mL/ha	Spray prior to pods forming.
Dock	700mL/ha	Spray at rosette stage to kill top growth only.
Fat hen	350-700mL/ha	
Flatweed	700mL/ha	
Fumitory - red	700mL/ha	Spray up to rosette stage.
Fumitory - white	350-700mL/ha	Spray up to rosette stage.
Goosefoots	700mL/ha	
Hoary cress	700mL/ha	Spray from late rosette to pre-flowering.
Whiteweed		
Hogweed/Wireweed	700mL/ha	Spray up to rosette stage.
Horehound (seedlings)	700mL/ha	Late Autumn to early Spring.
Iron weed, Corn gromwell	700mL/ha	
Lincoln weed	700mL/ha	Autumn spray before sowing improves control.
London rocket	500mL/ha	
Lupins	350-700mL/ha	Spray up to rosette stage.
Melilotus/Hexham scent	700mL/ha	Spray up to rosette stage.
Melons - Camel, Paddy	350-700mL/ha	
Mustards	200-700mL/ha	Spray up to rosette stage.
Mexican poppy	700mL/ha	Spray rosette stage and before flowering.
Mintweed	500-700mL/ha	
Muskweed	700mL/ha	Spray up to rosette stage.
New Zealand spinach	700mL/ha	
Noogoora burr	700mL/ha	Spray seedling to pre-flowering.
Paterson's curse	700mL/ha	Spray seedling to rosette stage.
Poppy wild	350mL/ha	Spray up to rosette stage.
Rough poppy	350-700mL/ha	Spray young seedlings only.
Safflower	350-700mL/ha	
Shepherd's curse	700mL/ha	
Skeleton weed	700mL/ha	Spray rosettes before aerial growth commences.
Stingless nettle (Dead nettle)	700mL/ha	
Stinging nettle	700mL/ha	Spray up to rosette stage.
Stinkwort	700mL/ha	Spray younger plants.
Storksbill/Erodium	700mL/ha	
Sunflower seedlings	350-700mL/ha	Spray multiple leaves.
Thistle - Saffron	350-700mL/ha	Spray up to rosette stage.
- Slender/Shore	700mL/ha	Spray at rosette stage.
- Spear	700mL/ha	Spray at seedling to rosette stage.
- Star	700mL/ha	Spray seedling to rosette stage.
- Variegated	350-700mL/ha	Spray at rosette stage. Can cause stock poisoning.

WEED	RATE	CRITICAL COMMENTS
Thornapple	350-700mL/ha	Spray at seedling stage.
Tree hogweed	700mL/ha	Spray up to rosette stage.
Turnip weed	350-700mL/ha	Spray seedlings only.
Vetches/Tares	550-700mL/ha	
Volunteer canola	350-700mL/ha	Spray up to rosette stage.
Ward's weed	350mL/ha	Spray at seedling stage.
Wild cabbage	700mL/ha	Spray up to rosette stage.
Wild radish	350-700mL/ha	Spray up to rosette stage.
Wild turnip	180-700mL/ha	Spray up to rosette stage.

WEED TABLE 2:

WEED	RATE	CRITICAL COMMENTS
Amaranthus spp.	700mL/ha	
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		Spray from late rosette to pre-flowering.
Whiteweed		
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.
Mintweed		
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 Nufarm Estercide 800

Crop	Rates	
	Up to 440mL/ha	440-700mL/ha
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.

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.

SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT

DO NOT apply when wind speed is less than 3 or more than 15 kilometres per hour (ground application) as measured at the application site.
USE ONLY COARSE or larger spray quality according to the ASAE S572 definition for standard nozzles.

Checklist:

- Have you cleaned/decontaminated your boom sprayer?
- Have you contacted your neighbour prior to spraying?
- Is your sprayer set-up correctly for the particular application?
- Check
 - boom calibration
 - at nozzle - nozzle choice
 - low drift/what spray quality
 - coarse or larger spray quality?
 - boom height - speed of intended application
 - water volume
- You must check, determine and record the weather conditions immediately prior to, and immediately after the spray application is made.
- Record details of weather conditions and application as per the Spray Drift Restraint requirements
- **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.**

For further information refer to nufarm.com.au/spraywise



spraywisedecisions.com.au is an online weather forecasting program and is recommended for use when planning your pesticide application

EQUIPMENT MAINTENANCE AND USAGE

Keep the spray unit for herbicides only if possible. Otherwise wash out the unit with Nufarm Tank & Equipment 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.

APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories

Important Information

These instructions inform users of this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application.

Spray droplet size categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both to identify droplet size categories, but for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.

Mandatory Instructions for Ground Applications

USE ONLY nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category as referenced to ASAE S572 or BCPC. Choose a nozzle specified to provide the droplet size category required in the label Spray Drift Restraints.

DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.

COMPATIBILITY

Kamba® 500, Glean*/Lusta®, Nuquat® 250, Nu-trazine (900DF + Flowable), Spray*Seed*/Revolver®, Credit®/Bonus®, Weedmaster® Duo, Roundup® PowerMAX, Roundup® DST, Roundup® Attack™, Invader®, Comet® 400, Archer®, Archer® 750, LI700®, Diuron 900DF, Simagrano®, Liase, Associate®

HERBICIDE RESISTANCE WARNING

GROUP	I	HERBICIDE
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Nufarm Estercide 800 Herbicide ("Estercide 800") is a member of the Phenoxy group of herbicides. Estercide 800 has the Disruptors of plant cell growth mode of action. For weed resistance management Estercide 800 is a Group I herbicide. Some naturally occurring weed biotypes resistant to Estercide 800 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 Estercide 800 or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Limited accepts no liability for any losses that may result from the failure of Estercide 800 to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DRIFT WARNING

- DO NOT use unless wind speed is more than 3km/h and less than 15km/h as measured at the application site.
- DO NOT apply with smaller than COARSE or larger droplet size categories according to the ASAE S572 or BCPC definition for standard nozzles.
- 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.
- DO NOT apply under meteorological conditions or from spraying equipment that may cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures
- "Still air" and low level temperature inversions contribute to drift.
- 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 LIVESTOCK

Low hazard to bees. May be applied on any plants at any time as recommended.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used container.

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 or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Refillable containers:

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

Envirodrum 110L Mini Bulk Returnable Container

Store the original sealed Envirodrum in a cool, well-ventilated area. DO NOT store for prolonged periods indirect sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase. The Envirodrum remains the property of Nufarm Australia Limited.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin, immediately wash area with soap and 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, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia **13 11 26**.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from your supplier or the Nufarm website – www.nufarm.com.au

In case of emergency: Phone 1800 033 498 Ask for shift supervisor. Toll free 24 hours.

CONDITIONS OF SALE

"Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded.

Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

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