

CAUTION

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

DIEHARD 240EC HERBICIDE

ACTIVE CONSTITUENT: 240 g/L CLETHODIM
SOLVENT: 663 g/L LIQUID HYDROCARBONS

GROUP	A	HERBICIDE
--------------	----------	------------------

For the control of certain grass weeds in beetroot, cabbage, canola, celery, chickpeas, cotton, faba beans, field peas, forestry, lentils, lettuce, lupins, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans as per the Directions for Use Table in the attached booklet

IMPORTANT: READ THE ATTACHED BOOKLET BEFORE USING THIS PRODUCT

Contents: 1L, 5L

Allfire Enterprises Pty Limited

ACN 097 970 280

Unit 1/61 Dowd Street

WELSHPOOL WA 6105

Phone (08) 9365 3888 Fax: (08) 9356 3899

Batch Number:

Date of Manufacture:

APVMA Approval Number:60661/1L/0307

APVMA Approval Number:60661/5L/0307

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Protect from frost. 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 the 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.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. When preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, face shield or goggles. If product 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, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor, or Poisons Information Centre (Phone Australia 131126).
If swallowed, do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which is available from the supplier.

CONDITIONS OF SALE

The use of Diehard 240EC Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Allfire Enterprises Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Allfire Enterprises Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

CAUTION

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

DIEHARD 240EC HERBICIDE

ACTIVE CONSTITUENT: 240 g/L CLETHODIM
SOLVENT: 663 g/L LIQUID HYDROCARBONS

GROUP	A	HERBICIDE
--------------	----------	------------------

For the control of certain grass weeds in beetroot, cabbage, canola, celery, chickpeas, cotton, faba beans, field peas, forestry, lentils, lettuce, lupins, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans as per the Directions for Use Table.

THIS BOOKLET IS PART OF THE LABEL

Allfire Enterprises Pty Limited
ACN 097 970 280
Unit 1/61 Dowd Street
WELSHPOOL WA 6105
Phone (08) 9365 3888 Fax: (08) 9356 3899

DIRECTIONS FOR USE:

Restraints: DO NOT apply without the addition of an adjuvant.
DO NOT apply to plants that are stressed by moisture or temperature extremes.
DO NOT apply if rain is expected within one hour of application
DO NOT apply Diehard 240EC Herbicide more than once to any one crop.

CROP	WEEDS CONTROLLED	RATE (mL/ha)	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS	
Canola, Chickpeas, Faba beans, Field peas, Lentils ⁽¹⁾ , Lupins [#]	Annual ryegrass (<i>Lolium rigidum</i>) Annual phalaris (<i>Phalaris minor</i>)	150 to 250	2-leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, SA, WA only	Always apply with D-C-Trate* at 2 L/100 L or Hasten* at 1 L/100 L or Kwickin* at 1 L/100 L or Uptake* at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides. ⁽¹⁾ Application up to 7-node/early –branching crop growth stage only [#] Not Queensland	
	Barley grass (<i>Hordeum leporinum</i>), Brome grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)	175 to 250				
	Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>)	200 to 250 (175 to 250 in WA only)				
	Volunteer barley (<i>Hordeum vulgare</i>)	250				
	Silver grass (<i>Vulpia bromoides</i>) – suppression only	250 to 500				NSW, ACT, Vic, Tas only
	Paradox grass (<i>Phalaris paradoxa</i>)	250 to 375 375				2 to 5 leaf stage 5 leaf to fully tillered
Cotton (Qld, NSW and NT only) Peanuts, Mung beans, Soybeans	Barnyard grass (<i>Echinochloa</i> spp.) Blown grass (<i>Agrostis aveacea</i>), Crowsfoot grass (<i>Eleusine indica</i>) Feathertop Rhodes grass (<i>Chloris virgata</i>), Liverseed grass (<i>Urochloa panicoides</i>), Red sprangletop grass (<i>Leptochloa filiformis</i>), Seedling Johnson grass (<i>Sorghum halepense</i>), Summer grass (<i>Digitaria</i> spp), Volunteer sorghum (<i>Sorghum</i> spp).	250 to 375 375	2 to 5 leaf stage 5 leaf to fully tillered	Qld, NSW, ACT, Vic, WA, NT only	Always apply with D-C-Trate at 2 L/100 L or Hasten at 1 L/100 L or Kwickin at 1 L/100 L or Uptake at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for mixture recommendations with insecticides, fungicides and other herbicides.	

CROP	WEEDS CONTROLLED	RATE (mL/ha)	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions	Barnyard grass (<i>Echinochloa</i> spp.) Blown grass (<i>Agrostis aveacea</i>), Crowsfoot grass (<i>Eleusine indica</i>) Feathertop Rhodes grass (<i>Chloris virgata</i>), Liverseed grass (<i>Urochloa panicoides</i>), Paradoxa grass (<i>Phalaris paradoxa</i>), Red sprangletop grass (<i>Leptochloa filiformis</i>), Seedling Johnson grass (<i>Sorghum halepense</i>), Summer grass (<i>Digitaria</i> spp), Volunteer sorghum (<i>Sorghum</i> spp).	250 to 375 375	2 to 5 leaf stage 5 leaf to fully tillered	All States	Always apply with D-C-Trate at 2 L/100 L or Hasten at 1 L/100 L or Kwickin at 1 L/100 L or Uptake at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. Use a spray volume of 150 L/ha when spraying dense grass populations.
Beetroot, Cabbage, Celery, Lettuce, Potatoes Onions	Annual ryegrass (<i>Lolium rigidum</i>) Annual phalaris (<i>Phalaris minor</i>)	150 to 250	2-leaf to fully tillered	All States	Always apply with D-C-Trate at 2 L/100 L or Hasten at 1 L/100 L or Kwickin at 1 L/100 L or Uptake at 500 mL/100 L spray volume. The lower doses will provide effective control if applied under ideal conditions to weeds that are smaller, actively growing and free from temperature or water stress. Use a spray volume of 150 L/ha when spraying dense grass populations.
	Barley grass (<i>Hordeum leporinum</i>), Brome grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)	175 to 250			
	Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>)	200 to 250 (175 to 250 in WA only)			
	Volunteer barley (<i>Hordeum vulgare</i>)	250			
	Silver grass (<i>Vulpia bromoides</i>) – suppression only (not Qld, WA)	250 to 500			
	Winter grass (<i>Poa annua</i>)	500			

CROP	WEEDS CONTROLLED	RATE (mL/ha)	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Forestry, non-bearing fruit trees and ornamentals	Annual ryegrass (<i>Lolium rigidum</i>) Annual phalaris (<i>Phalaris minor</i>) Barley grass (<i>Hordeum leporinum</i>), Barnyard grass (<i>Echinochloa spp.</i>), Blown grass (<i>Agrostis aveacea</i>), Brome grass (<i>Bromus diandrus</i>), Crowsfoot grass (<i>Eleusine indica</i>) Feathertop Rhodes grass (<i>Chloris virgata</i>), Liverseed grass (<i>Urochloa panicoides</i>), Paradoxa grass (<i>Phalaris paradoxa</i>), Red sprangletop grass (<i>Leptochloa filiformis</i>), Seedling Johnson grass (<i>Sorghum halepense</i>) Silver grass (<i>Vulpia bromoides</i>) – suppression only (not Qld, WA), Summer grass (<i>Digitaria spp.</i>), Volunteer sorghum (<i>Sorghum spp.</i>) Volunteer wheat (<i>Triticum aestivum</i>), Volunteer oats (<i>Avena sativa</i>) Volunteer barley (<i>Hordeum vulgare</i>) Winter grass (<i>Poa annua</i>)	500	2 leaf to fully tillered	All States	Apply after plants have recovered from transplant shock and are showing signs of active growth. Always apply with D-C-Trate at 2 L/100 L or Hasten at 1 L/100 L or Kwickin at 1 L/100 L or Uptake at 500 mL/100 L spray volume. Use a spray volume of 150 L/ha when spraying dense grass populations. Do NOT use on Gymnosperms (pines, conifers, etc) unless a prior test has been conducted to check safety on the relevant species. See COMPATIBILITY AND CAUTIONS in GENERAL INSTRUCTIONS for particular species.

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

WITHHOLDING PERIODS:

HARVEST:

CHICKPEAS, FABA BEANS, FIELD PEAS, FORESTRY, LENTILS, LUPINS, MUNG BEANS, SOYBEANS:

WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED

BEETROOT, CABBAGE: DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST.

ONIONS: DO NOT APPLY LATER THAN 14 DAYS BEFORE HARVEST.

LETTUCE, POTATOES: DO NOT APPLY LATER THAN 4 WEEKS BEFORE HARVEST.

PEANUTS: DO NOT APPLY LATER THAN 7 WEEKS BEFORE HARVEST.

CANOLA: DO NOT APPLY LATER THAN 8 WEEKS BEFORE HARVEST.

CELERY: DO NOT APPLY LATER THAN 9 WEEKS BEFORE HARVEST.

COTTON: DO NOT APPLY LATER THAN 12 WEEKS BEFORE HARVEST.

GRAZING:

DO NOT GRAZE OR CUT FOR STOCK FEED FOR 8 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

GROUP	A	HERBICIDE
--------------	----------	------------------

Diehard 240EC Herbicide is a member of the cyclohexanedione group of herbicides. Diehard 240EC Herbicide has the inhibitor of acetyl coA carboxylase mode of action. For weed resistance management Diehard 240EC Herbicide is a Group A Herbicide. Some naturally occurring weed biotypes resistant to Diehard 240EC herbicide and other Group A 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 Diehard 240EC Herbicide or other Group A Herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Allfire Enterprises Pty Ltd accepts no liability for any losses that may result from the failure of Diehard 240EC Herbicide to control resistant weeds.

MIXING

To ensure even mixing, half-fill the spray tank with clean water and add the required amount of product. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

APPLICATION

Ground Application

Diehard 240EC Herbicide should be applied with calibrated spray equipment producing a median droplet range of 200 to 300 microns VMD. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

Aerial Application

Diehard 240EC Herbicide can be applied through aircraft fitted with boom or Micronair equipment. A spray volume of 20 to 30 L/ha is recommended and equipment should be adjusted to deliver droplets in the range of 200 to 250 microns VMD.

Best results will be obtained when aerial applications are made in a light crosswind. Applications should not be made during temperature inversions or in conditions of very low relative humidity. Care should be taken to avoid drift damage to adjoining grass crops.

COMPATABILITY

Diehard 240EC Herbicide is compatible with the following grass herbicides: Targa*, Fusilade*, Verdict*, Sertin* and Correct* (Refer to the Bayer Correct label for detail on adjuvant recommendations for that product).

NOTE: in all situations where Diehard 240EC Herbicide is mixed with another grass herbicide, Diehard 240EC Herbicide should be used at the full label rate specified for target weed species.

Diehard 240EC Herbicide may also be applied in tank mixtures with one of the following products:

Sumi-Alpha, 50 EC, Sumi-Alpha Dual, Alpha-Sip Duo Insecticide and Le-Mat*.

Diehard 240EC Herbicide should not be applied in a tank mix with Brodal*, Basagran* or Blazer.

Apply as separate applications.

CAUTION

Ornamentals and Trees – While Diehard 240EC Herbicide is generally selective to broadleaved plants (i.e. it is active against grasses), tests should always be made on a smaller number of plants not previously tested.

DO NOT use on Gymnosperms (pines, conifers, etc) unless a prior test has been conducted to check safety on the relevant species.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS:

DO NOT apply Diehard 240EC Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. Diehard 240EC Herbicide should not be applied through misting equipment or any other method likely to cause excessive drift. Care should be taken to avoid damage to adjoining native grasses or grass crops.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Protect from frost. 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 the 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.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. When preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, face shield or goggles. If product 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, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor, or Poisons Information Centre (Phone Australia 131126).

If swallowed, do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which is available from the supplier.

CONDITIONS OF SALE

The use of Diehard 240EC Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Allfire Enterprises Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Allfire Enterprises Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

APVMA Approval Number: 60661/0307