

**CAUTION**

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

# Sequence<sup>®</sup>

Herbicide



RPL  
Approved

**ACTIVE CONSTITUENT: 240 g/L CLETHODIM**  
**SOLVENT: 655g/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.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

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nufarm.com.au

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Tel: (03) 9282 1000  
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Contents: 10 Litres  
Contents: 20 Litres  
Contents: 110 Litres  
Contents: 1000Litres

APVMA Approval No: 60436/51413

**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 disposal pit specifically marked and se~~ If not recycling break, crush or puncture container ~~available, bury the containers below 500mm in a~~ and deliver empty packaging for appropriate disposal ~~and tree roots.~~ Empty containers and product should NOT be burnt. to an approved waste management facility.

**Envirodrum 110L Mini Bulk Returnable container**

Protect from frost.

Store the original sealed Envirodrum in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any 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.

**Refillable containers (1000L only)**

Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**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 and 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**

For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from your supplier or from the Nufarm website – [www.nufarm.com.au](http://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 Trade Practices Act 1974 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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ACTIVE CONSTITUENT: 240g/L CLETHODIM

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**READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.**

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### 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 Sequence Herbicide more than once to any one crop.

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS	
Canola, Chickpeas, Faba beans, Field peas, Lentils*, Lupins*	Canola: DO NOT APPLY after flower buds become visible (green buds)	Annual ryegrass ( <i>Lolium rigidum</i> ), Annual phalaris ( <i>Phalaris minor</i> )	150-250mL/ha	2 leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, SA, WA only	Always apply with Bonza <sup>®</sup> at 1L/100L 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. * Application up to 7 node/early branching crop growth stage only. # NOT QLD	
		Barley grass ( <i>Hordeum leporinum</i> ), Brome grass ( <i>Bromus diandrus</i> ), Wild Oats ( <i>Avena</i> spp.)	175-250mL/ha				
	Chickpeas: DO NOT APPLY beyond full flowering	Volunteer wheat ( <i>Triticum aestivum</i> ), Volunteer oats ( <i>Avena sativa</i> )	200*-250mL/ha (175-250mL/ha in WA only)	250mL/ha	NSW, ACT, Vic, Tas only		
		Volunteer barley ( <i>Hordeum vulgare</i> )	250mL/ha				
	Faba beans: DO NOT APPLY beyond full flowering	Silver grass ( <i>Vulpia bromoides</i> ) - suppression only	250-500mL/ha	250-375mL/ha 375mL/ha	2-5 leaf stage 5 leaf to fully tillered		Qld, NSW, ACT only
		Field peas: DO NOT APPLY beyond full flowering	Paradoxa grass ( <i>Phalaris paradoxa</i> )				
	Lentils: Apply up to the 7 node/early branching stage of crop growth						
	Lupins: DO NOT APPLY after 80% of flowers have opened						

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Cotton (Qld, NSW and NT only), Peanuts, Mung beans, Soybeans	Cotton: DO NOT APPLY after full flowering (mid bloom)  Peanuts: DO NOT APPLY after the pod fill stage of crop development  Mung beans: DO NOT APPLY after first flower buds are visible  Soybeans: DO NOT APPLY after first flower buds are visible	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 sprangle topgrass ( <i>Leptochloa filiformis</i> ), Seedling Johnson grass ( <i>Sorghum halepense</i> ), Summer grass ( <i>Digitaria</i> spp.), Volunteer sorghum ( <i>Sorghum</i> spp.)	250-375mL/ha	2-5 leaf stage	Qld, NSW, ACT, Vic, WA, NT only	Always apply with Bonza® at 1L/100L 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.
			375mL/ha	5 leaf to fully tillered		

CROP	WEEDS CONTROLLED	RATE	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions	Barnyard grass ( <i>Echinochloa</i> spp.), Blown grass ( <i>Agrostis avenacea</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.)	250-375mL/ha	2-5 leafstage	All States	Always apply with Bonza® at 1L/100L 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 150L/ha when spraying dense grass populations.
		375mL/ha	5 leaf to fully tillered		
	Annual ryegrass ( <i>Lolium rigidum</i> ), Annual phalaris ( <i>Phalaris minor</i> )	150-250mL/ha	2 leaf to fully tillered	All States	Always apply with Bonza® at 1L/100L 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 150L/ha when spraying dense grass populations.
	Barley grass ( <i>Hordeum leporinum</i> ), Brome grass ( <i>Bromus diandrus</i> ), Wild oats ( <i>Avena</i> spp.)	175-250mL/ha			
	Volunteer wheat ( <i>Triticum aestivum</i> ), Volunteer oats ( <i>Avena sativa</i> )	200*-250mL/ha *(175-250mL/ha in WA only)	2 leaf to fully tillered	All States	Always apply with Bonza® at 1L/100L 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 150L/ha when spraying dense grass populations.
	Volunteer barley ( <i>Hordeum vulgare</i> )	250mL/ha			
	Silver grass ( <i>Vulpia bromoides</i> ) -suppression only (not Qld, WA)	250-500mL/ha	2 leaf to fully tillered	All States	Always apply with Bonza® at 1L/100L 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 150L/ha when spraying dense grass populations.
	Winter grass ( <i>Poa annua</i> )	500mL/ha			
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</i> spp.), 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</i> spp.), Volunteer sorghum ( <i>Sorghum</i> spp.) Volunteer wheat ( <i>Triticum aestivum</i> ), Volunteer oats ( <i>Avena sativa</i> ), Volunteer barley ( <i>Hordeum vulgare</i> ), Winter grass ( <i>Poa annua</i> )	500mL/ha	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 Bonza® at 1L/100L spray volume. Use a spray volume of 150L/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:**

**CANOLA, CHICKPEAS, COTTON, FAB A BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, PEANUTS, SOYBEANS:**  
NOT REQUIRED WHEN USED AS DIRECTED.

**FORESTRY:**

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.

**CELERY:**

DO NOT APPLY LATER THAN 9 WEEKS BEFORE HARVEST.

**GRAZING:**

**CANOLA, CHICKPEAS, FAB A BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, PEANUTS, SOYBEANS:**

DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION.

**COTTON:**

DO NOT GRAZE OR CUT COTTON FORAGE OR STUBBLE FOR STOCK FEED.

**GENERAL INSTRUCTIONS****RESISTANT WEEDS WARNING****GROUP A HERBICIDE**

Sequence Herbicide is a member of the cyclohexanedione group of herbicides. Sequence Herbicide has the inhibition of acetyl CoA carboxylase mode of action. For weed resistance management, Sequence Herbicide is a Group A Herbicide. Some naturally-occurring weed biotypes resistant to Sequence 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 Sequence Herbicide or other Group A Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of Sequence Herbicide to control resistant weeds.

**CLEANING SPRAY EQUIPMENT****Before using Sequence**

Ensure that the recommended clean-out procedure for the previous product (particularly sulfonylurea herbicides) sprayed with the equipment was done properly.

**AFTER USING SEQUENCE**

Empty the tank and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean all filters in the tank, pump line and nozzles. Use of a household detergent will aid in cleaning the equipment. Add detergent to the part-filled spray tank and thoroughly circulate through pumps, hoses and nozzles. Drain the system and thoroughly rinse twice with clean water.

Rinse water should be discharged onto a designated disposal area, or if this is unavailable, onto unused land away from desirable plants and water sources.

**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**

Sequence Herbicide should be applied with calibrated spray equipment producing MEDIUM spray droplets according to the ASAE S572 definition for the standard nozzles. Apply in a minimum of 50L of water per hectare. Use 150L/ha when spraying dense populations.

**Aerial Application**

Sequence Herbicide can be applied through aircraft fitted with boom or Micronair equipment. As spray volume of 20-30L/ha is recommended and equipment should be adjusted to produce MEDIUM spray droplets according to the ASAE S572 definition for the standard nozzles.

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.

**COMPATIBILITY**

Sequence<sup>®</sup> 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 Sequence Herbicide is mixed with another grass herbicide, Sequence Herbicide should be used at the full label rate specified for the target weed species. Sequence Herbicide may also be applied in tank mixtures with one of the following products: Sumi-Alpha\*50 EC, Sumi-Alpha\* Dual, Fastac\* 100 and Le-Mat\*. Sequence Herbicide should not be applied in a tank mix with Brodal\*, Basagran\* or Blazer\*. Apply as separate applications. Sequence is compatible with the following adjuvants: Bonza<sup>®</sup>, Hasten\*, Kwickin\*, D-C-Trate\* and Uptake\*.

For information on compatibility of products not listed, please refer to Nufarm Australia Limited.

**CAUTION**

**Ornamentals and Trees** - While Sequence Herbicide is generally selective to broadleaved plants (i.e. it is active against grasses), tests should always be made on a small 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 Sequence Herbicide if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. Sequence 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 container~~ ~~If not available, bury the containers below 500mm in a disposal pit specifically marked a~~ ~~vegetation and tree roots.~~ Empty containers and product should NOT be burnt. ~~and deliver empty packaging for appropriate disposal to an approved waste management facility.~~

**Envirodrum 110L Mini Bulk Returnable container**

Protect from frost.

Store the original sealed Envirodrum in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any 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.

**Refillable containers (1000L only)**

Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**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 and faceshield 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 (MSDS), which can be obtained from your supplier or from the Nufarm website - [www.nufarm.com.au](http://www.nufarm.com.au)

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