CAUTION

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

Arysta LifeScience

Genie

HERBICIDE

ACTIVE CONSTITUENT: 240 g/L CLETHODIM
SOLVENT: 606 g/L LIQUID HYDROCARBON

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, lettuce, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans as per the Directions for Use table in the this leaflet.

IMPORTANT: READ THIS LEAFLET BEFORE USE

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Arysta LifeScience

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 a one hour of application.
DO NOT apply ARYSTA LIFESCIENCE GENIE HERBICIDE more than once to any one crop.

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE ML/HA	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) **Chickpeas**: DO NOT APPLY beyond full flowering **Faba beans**: DO NOT APPLY beyond full flowering **Field peas**: DO NOT APPLY beyond full flowering **Lentils**: Apply up to 7 nodes/early branching stage of crop growth **Lupins**: DO NOT APPLY after 80% of flowers have opened	Annual Ryegrass (*Lolium rigidum*) Annual Phalaris (*Phalaris minor*)	150 to 250	2 leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, WA only	* Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha or Kwickin at 1 L/100 L or Uptake at 500 m/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. @ Application up to 7-node/early-branching crop growth stage only. # NOT Queensland
		Barley Grass (*Hordeum leporinum*) Brome grass (*Bromus diandrus*) Wild Oats (*Avena spp*.)	175 to 250			
		Volunteer Wheat (*Triticum aestivum*) Volunteer Oats (*Avena sativa*)	200* to 250* (175 to 250 in WA only)			
		Volunteer Barley (*Hordeum vulgare*)	250			
		Silver grass (*Vulpia bromoides*) – suppression only	250 to 500		NSW, ACT, Vic, Tas only	
		Paradoxa grass (*Phalaris paradoxa*)	250 to 375	2 to 5 leaf stage	Qld, NSW, ACT only	
			375	5-leaf to fully tillered		
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 flowers are visible	Barnyard grass (*Echinochloa spp*.) Blown grass (*Agrostis aveacea)* Crowsfoot grass (*Eleusine indica*) Feathertop Rhodes grass (*Chloris virgata*) Liverseed grass (*Urochloa panicoides*) Red Spangletop grass (*Leptochloa filiformis*) Seedling Johnson grass (*Sorghum halepense*) Summer grass (*Digitaria spp*.) Volunteer Sorghum (*Sorghum spp*.)	250 to 375	2 to 5 leaf stage	Qld, NSW, ACT, Vic, WA, NT only	Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha or Kwickin at 1 L/100 L or Uptake at 500 m/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.
			375	5-leaf to fully tillered		

CROP	WEEDS CONTROLLED	RATE ML/HA	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
Beetroot, Cabbage, Celery, Lettuce, Potatoes, Onions	Barnyard grass (*Echinochloa spp*.) Blown grass (*Agrostis aveacea)* Crowsfoot grass (*Eleusine indica*) Feathertop Rhodes grass (*Chloris virgata*) Liverseed grass (*Urochloa panicoides*) Paradoxa grass (*Phalaris paradoxa*) Red Spangletop grass (*Leptochloa filiformis*) Seedling Johnson grass (*Sorghum halepense*) Summer grass (*Digitaria spp*.) Volunteer Sorghum (*Sorghum spp*.)	250 to 375	2 to 5 leaf stage	All states	Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha or Kwickin at 1 L/100 L or Uptake at 500 m/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.
		375	5-leaf to fully tillered		
	Annual Ryegrass (*Lolium rigidum*) Annual Phalaris (*Phalaris minor*)	150 to 250	2 leaf to fully tillered	All states	Always apply with DC Trate at 2 L/ha or Hasten at 1 L/ha or Kwickin at 1 L/100 L or Uptake at 500 m/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 (*Hordeum leporinum*) Brome grass (*Bromus diandrus*) Wild Oats (*Avena spp*.)	175 to 250			
	Volunteer Wheat (*Triticum aestivum*) Volunteer Oats (*Avena sativa*)	200* to 250 *(175 to 250 in WA only)			
	Volunteer Barley (*Hordeum vulgare*)	250			
	Silver grass (*Vulpia bromoides*) – suppression only (not Qld, WA)	250 to 500			
	Winter grass (*Poa annua*)	500			
Forestry, non-bearing fruit trees and ornamentals	Annual Ryegrass (*Lolium rigidum*) Annual Phalaris (*Phalaris minor*) Barley Grass (*Hordeum leporinum*) Barnyard grass (*Echinochloa spp*.) Blown grass (*Agrostis aveacea)* Brome grass (*Bromus diandrus*) Crowsfoot grass (*Eleusine indica*) Feathertop Rhodes grass (*Chloris virgata*) Liverseed grass (*Urochloa panicoides*) Paradoxa grass (*Phalaris paradoxa*) Red Sprangletop grass (*Leptochloa filiformis*) Seedling Johnson grass (*Sorghum halepense*) Silver grass (*Vulpia bromoides*) – suppression only (not Qld, WA) Summer grass (*Digitaria spp*.) Volunteer Barley (*Hordeum vulgare*) Volunteer Oats (*Avena sativa*) Volunteer Sorghum (*Sorghum spp*.) Volunteer Wheat (*Triticum aestivum*) Winter grass (*Poa annua*)	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 DC Trate at 2 L/ha or Hasten at 1 L/ha or Kwickin at 1 L/100 L or Uptake at 500 m/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:	
CANOLA, CHICKPEAS, COTTON, FABA 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, FABA BEANS, FIELD PEAS, LENTILS, LUPINS, MUNG BEANS, 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

ARYSTA LIFESCIENCE GENIE HERBICIDE is a member of the cyclohexanedione group of herbicides. ARYSTA LIFESCIENCE GENIE HERBICIDE has the inhibition of acetyl CoA carboxylase mode of action.
For weed resistance management, ARYSTA LIFESCIENCE GENIE HERBICIDE is a Group A herbicide. Some naturally occurring weed biotypes resistant to ARYSTA LIFESCIENCE GENIE 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 ARYSTA LIFESCIENCE GENIE HERBICIDE or other Group A herbicides.
Since the occurrence of resistant weeds is difficult to detect prior to use, Arysta LifeScience Australia Pty Ltd accepts no liability for any losses that may result from the failure of ARYSTA LIFESCIENCE GENIE HERBICIDE to control resistant weeds.

CLEANING SPRAY EQUIPMENT

Before using ARYSTA LIFESCIENCE GENIE HERBICIDE

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

After using ARYSTA LIFESCIENCE GENIE HERBICIDE

Empty the tank and drain the whole system.
Thoroughly wash inside the tank using a pressure hose, drain the tank and clean filters in the tank, pump line and nozzles.
Use of a household detergent will aid in the 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, add the required amount of ARYSTA LIFESCIENCE GENIE HERBICIDE. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

APPLICATION

Ground Application

ARYSTA LIFESCIENCE GENIE HERBICIDE should be applied with calibrated spray equipment producing a median droplet range of 200 to 300 micron VMD. Apply in a minimum of 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

Aerial Application

ARYSTA LIFESCIENCE GENIE 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 200-250 micron (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.

CAUTION

Ornamentals and Trees – While ARYSTA LIFESCIENCE GENIE HERBICIDE is generally selective to broadleaf 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 ARYSTA LIFESCIENCE GENIE HERBICIDE if wind is likely to cause drift onto susceptible crops/plants, cropping lands or pastures. ARYSTA LIFESCIENCE GENIE 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 chemical 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.
This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of 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 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 chemical resistant 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 and face shield or goggles and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

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

MANUFACTURERS WARRANTY AND EXCLUSION OF LIABILITY

Arysta LifeScience Australia Pty Ltd has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Arysta LifeScience Australia Pty Ltd accepts no responsibility for any loss arising from incorrect storage, handling or use.

In a Transport Emergency
Dial
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Police or Fire Brigade

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