

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

GENFARM
CLETHODIM 360
SELECTIVE HERBICIDE

ACTIVE CONSTITUENT: 360 g/L CLETHODIM
SOLVENT: 534 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, mung beans, non-bearing fruit trees, onions, ornamentals, peanuts, potatoes and soybeans as per the Directions for Use table.

IMPORTANT: READ THIS BOOKLET BEFORE USE

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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 a one hour of application.

DO NOT apply Genfarm Clethodim 360 more than once to any one crop.

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED
Canola, Chickpeas, Faba Beans, Field Peas, Lentils*, Lupins [#]	Canola: DO NOT APPLY after flower buds become visible (green buds)	Annual Phalaris (<i>Phalaris minor</i>), Annual Ryegrass (<i>Lolium rigidum</i>)
	Chickpeas: DO NOT APPLY beyond full flowering	Barley Grass (<i>Hordeum leporinum</i>), Brome Grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)
	Faba beans: DO NOT APPLY beyond full flowering	Volunteer Oats (<i>Avena sativa</i>), Volunteer Wheat (<i>Triticum aestivum</i>)
	Field peas: DO NOT APPLY beyond full flowering	
	Lentils: Apply up to 7 nodes/ early branching stage of crop growth	Volunteer Barley (<i>Hordeum vulgare</i>)
	Lupins: DO NOT APPLY after 80% of flowers have opened	Silver Grass (<i>Vulpia bromoides</i>) – suppression only
		Paradoxa Grass (<i>Phalaris paradoxa</i>)
Cotton (Qld, NSW and NT only), Peanuts, Mung Beans, Soybeans	Cotton: DO NOT APPLY after full flowering (mid bloom)	Barnyard Grass (<i>Echinochloa</i> spp.), Blown Grass (<i>Agrostis aveaeae</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.)
	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	

RATE mL/ha	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
100-330	2 leaf to fully tillered	Qld, NSW, ACT, Vic, Tas, SA, WA only	Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake* at 500mL/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.
115-330			
130* to 330 *(115 to 330 in WA only)			
330			
165-330		NSW, ACT, Vic, Tas only	+ Application up to 7-node/early-branching crop growth stage only.
165-250	2- to 5-leaf stage	Qld, NSW, ACT only	# NOT Queensland
250-330	2-leaf to fully tillered		
165-250	2-5 leaf stage	Qld, NSW, ACT, Vic WA, NT only	Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/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.
250-330	5 leaf to fully tillered		

CROP	WEEDS CONTROLLED
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.)
	Annual Ryegrass (<i>Lolium rigidum</i>), Annual Phalaris (<i>Phalaris minor</i>)
	Barley Grass (<i>Hordeum leporinum</i>), Brome Grass (<i>Bromus diandrus</i>), Wild Oats (<i>Avena</i> spp.)
	Volunteer Wheat (<i>Triticum aestivum</i>), Volunteer Oats (<i>Avena sativa</i>)
	Volunteer Barley (<i>Hordeum vulgare</i>)
	Silver Grass (<i>Vulpia bromoides</i>) – suppression only (not Qld, WA)
	Winter Grass (<i>Poa annua</i>)
Forestry, non-bearing fruit trees and ornamentals	Annual Phalaris (<i>Phalaris minor</i>), Annual Ryegrass (<i>Lolium rigidum</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 Barley (<i>Hordeum vulgare</i>), Volunteer Oats (<i>Avena sativa</i>), Volunteer Sorghum (<i>Sorghum</i> spp.), Volunteer Wheat (<i>Triticum aestivum</i>), Winter Grass (<i>Poa annua</i>)

RATE mL/ha	STAGE OF WEED GROWTH	STATE	CRITICAL COMMENTS
165-250	2-5 leaf stage	All States	Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/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.
250-330	5 leaf to fully tillered		
100-330	2 leaf to fully tillered	All States	Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/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 150 L/ha when spraying dense grass populations.
115-330			
130 to 330 (115 to 330 in WA only)			
330			
165-330			
330			
330			Apply after plants have recovered from transplant shock and are showing signs of active growth. Always apply with Hasten at 1L/100L or Kwickin at 1L/100L or Uptake at 500mL/100L 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

BETROOT, 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

CLEANING SPRAY EQUIPMENT

Before using Genfarm Clethodim 360

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

After using Genfarm Clethodim 360

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 Genfarm Clethodim 360. Add spray additive and agitate thoroughly, then add the remainder of the water. Agitate again before spraying commences.

APPLICATION

Ground Application

Genfarm Clethodim 360 Selective 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 50 litres of water per hectare. Use 150 L/ha when spraying dense populations.

Aerial Application

Genfarm Clethodim 360 Selective 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 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.

CAUTION:

Ornamentals and Trees: While Genfarm Clethodim 360 Selective 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.

COMPATIBILITY

Genfarm Clethodim 360 Selective Herbicide is compatible with the following grass herbicides: Genfarm Quizalofop, Genfarm Fluazifop, Genfarm Haloxyfop, Sertin.

Note: In all situations where Genfarm Clethodim 360 Selective Herbicide is mixed with another grass herbicide, Genfarm Clethodim 360 Selective Herbicide should be used at the full label rate specified for the target weed species. Genfarm Clethodim 360 Selective Herbicide may also be applied in tank mixtures with one of the following products: Sumi-Alpha 50 EC, Sumi-Alpha Dual, Genfarm Alpha-Duo 100 and Genfarm Omethoate 290.

Genfarm Clethodim 360 Selective Herbicide should not be applied in a tank mix with Genfarm Diflufenican, Basagran or Blazer. Apply as separate applications. For information on compatibility of products not listed, please refer to Nutrien Ag Solutions Limited.

RESISTANT WEEDS WARNING

Genfarm Clethodim 360 Selective Herbicide is a member of the cyclohexanedione group of herbicides. Genfarm Clethodim 360 has the inhibition of acetyl CoA carboxylase mode of action. For weed resistance management, Genfarm Clethodim 360 is a Group A herbicide. Some naturally occurring weed biotypes resistant to Genfarm Clethodim 360 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 Genfarm Clethodim 360 or other Group A herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Nutrien Ag Solutions Limited accepts no liability for any losses that may result from the failure of Genfarm Clethodim 360 to control resistant weeds.

GROUP	A	INSECTICIDE
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PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants, crops, cropping lands or pastures.

Genfarm Clethodim 360 Selective 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 watercourses 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 rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical onsite. 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 point or similar container management program site. The cap should not be replaced but may be taken separately. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal 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.

For refillable containers: 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 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 on skin, immediately wash area with soap and water. 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 Poisons Information Centre Phone Australia 131126. If swallowed, DO NOT induce vomiting.

SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet which is available from the supplier.

CONDITIONS OF SALE: The use of this product is beyond the control of Nutrien Ag Solutions Limited. Any provisions or rights under the Australian Consumer Law which cannot be excluded 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, storage, use or application of this product are excluded. Nutrien Ag Solutions Limited does not accept any liability (including consequential loss and/or negligence) for any loss or damage connected with the sale, supply, storage, use or application of this product except for liability which cannot be excluded by statute.



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