

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

**Actril<sup>®</sup> DS**

**SELECTIVE HERBICIDE**

**Active Constituents:** 577 g/L 2,4-D present as the ethyl hexyl ester  
 100 g/L IOXYNIL present as the octanoate

**GROUP C I HERBICIDE**

**For the control of broadleaf weeds, vines and grasses in sugarcane, as specified in the DIRECTIONS FOR USE table**

**This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.**

### GENERAL INSTRUCTIONS

When treating 2,4-D sensitive sugar cane varieties which are actively growing at the time of application, some distortion of the growing stalk may occur.

#### Resistant weeds warning

Actril DS is a member of the Nitrile and Phenoxy group of herbicides. Actril DS has the inhibitors of photosynthesis at photosystem II and disrupters of plant cell growth mode of action. For weed resistance management Actril DS is a Group C and I herbicide. Some naturally occurring weed biotypes resistant to Actril DS and other Group C and 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 Actril DS or other Group C and I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Actril DS to control resistant weeds.

#### Application

Calibration and weather conditions should be conducive to obtaining good coverage of the target weeds as well as minimising spray drift.

#### Mixing

To ensure even mixing, half fill the spray tank with clean water, add the required amount of product and stir thoroughly. Add the remainder of the water and mix again before spraying.

#### Equipment

##### **Boom Sprayer**

Apply a minimum of 100 litres of water per hectare.

##### **Aerial Application**

Apply a minimum of 28 litres of water per hectare (lower rates have not been tested). DO NOT apply tank mixes of diuron or ametryn from aircraft.

#### Compatibility

This product has effectively been combined in the spray tank with the following herbicides: Asulox<sup>®</sup>, atrazine, diuron, ametryn, Gesapax<sup>®</sup> Combi. As formulations of other manufacturer's products are beyond the control of Bayer CropScience Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

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

#### Drift warning

DO NOT apply under weather conditions or from spraying equipment which could be expected to cause drift onto nearby plants, adjacent crops, crop-lands or pastures. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, fruit trees and ornamentals. Wash spraying equipment thoroughly before and after use.

DO NOT use unless wind speed is more than 3 kilometres per hour and less than 15 kilometres per hour as measured at the application site.

DO NOT apply with smaller than coarse to very coarse spray droplets according to the ASAE S572 definition for standard nozzle.

### 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 dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight.

Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 500 mm 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**

Poisonous if inhaled or swallowed. Will irritate the eyes. May irritate the skin. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing the spray wear cotton overalls buttoned to the neck and wrist and a washable hat, PVC or rubber apron, elbow-length PVC gloves and face shield or goggles. When using the prepared spray wear face shield. If product on skin, immediately wash area with soap and water. If product is in the 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 (telephone 13 11 26).

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet, which can be obtained from [www.bayercropscience.com.au](http://www.bayercropscience.com.au).

**EXCLUSION OF LIABILITY**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability for loss or damage arising from failure to follow such directions and instructions.

Actril® and Asulox® are Registered Trademarks of Bayer.

APVMA Approval No.: 42091/10/0805

FOR 24 HOUR SPECIALIST ADVICE  
IN EMERGENCY ONLY  
PHONE 1800 033 111

**DIRECTIONS FOR USE: Qld, NSW, WA, NT only****Restrains**

Do not apply if crop or weeds are stressed due to dry or excessively moist conditions.

Do not apply to diseased or frost affected crops or if frosts are imminent.

CROP	WEEDS CONTROLLED	WEED STAGE	RATE/ HA	CRITICAL COMMENTS
Sugar Cane	Billygoat weed <i>Ageratum conyzoides</i>	Up to 6 leaf stage	1.5 L	<p>Apply when weeds are actively growing. Use higher water volumes if weeds are tall or more resistant to herbicides. When trash retention is practised and cultivation of weeds is not practical an early application of Actril® DS may be made. When trash covers the ground it is important to delay spraying until most of the weeds have grown through. Plant cane may be sprayed immediately after planting if the setts are completely buried. If setts protrude, wait 3 to 4 days.</p> <p><b>Aerial Application</b> Actril® DS may be applied by air when crop has reached the out-of-hand stage. A minimum water volume of 28 L per hectare should be used.</p> <p><b>Ground Rig</b> Apply post-emergence up to out-of-hand stage of plant or ratoon cane. Ideally, Actril® DS should be applied up to 3 weeks prior to the out-of-hand stage.</p>
	Blackberry nightshade Giant (black) pigweed <i>Solanum nigrum</i> <i>Trianthema portulacastrum</i>	Up to 450 mm high		
	Blue billygoat weed <i>Ageratum houstonianum</i>	Up to 6 leaf stage		
	Centro <i>Centrosema pubescens</i>	Up to 100 mm high	2.0 L	
	Lablab bean <i>Lablab purpureus</i>	Up to 6 leaf stage	0.75 to 1.5 L	
	Square weed <i>Spermacoce latifolia</i>	Up to 6 leaf stage	1.5 to 2.0 L	
	Urena burr (pinkburr) <i>Urena lobata</i>	Up to 100 mm high	1.5 L	
	Balsam pear <i>Momordica charantia</i>	Up to 100 mm high	0.75 to 1.5 L	
	Bellvine <i>Ipomoea plebeia</i>	All Stages	1.5 L	
	Calopo <i>Calopogonium mucunoides</i>	Up to 100 mm high	1.5 to 2.0 L	
	Cupid's flower <i>Ipomoea quamoclit</i> (Star of Bethlehem)	All stages	0.5 L	
	Pink convolvulus Red convolvulus <i>Ipomoea triloba</i> <i>Ipomoea hederifolia</i>	Up to 100 mm high	1.0 to 1.5 L	
	Stinking passionfruit <i>Passiflora foetida</i>	Up to 6 leaf stage	1.5 L	

**Tank mixes**

Care must be taken to avoid contact of spray solutions with cane spindle. Browning of sprayed cane leaves may occur. Slight decreases in crop vigour may result from these applications and can last several weeks.

CROP	WEEDS CONTROLLED	WEED STAGE	RATE/HA	CRITICAL COMMENTS
Sugar Cane	<b>Weeds as above plus</b>	Up to 300 mm high	1.0 to 1.5 L <b>PLUS</b> diuron at recommended rate	Apply as a tank mix, only as a directed spray. Refer to the diuron label for additional directions for use.
	Amaranthus <i>Amaranthus</i> spp. Capeweed <i>Arctotheca calendula</i> Cobbler's pegs <i>Bidens pilosa</i> Fat hen <i>Chenopodium album</i> Milkweed <i>Euphorbia heterophylla</i> Mustards Various species Sowthistle <i>Sonchus oleraceus</i> Wild radish <i>Raphanus raphanistrum</i> Wild turnip <i>Brassica tournefortii</i>			
	Barley grass <i>Hordeum leporinum</i> Barnyard grass <i>Echinochloa crus-galli</i> Crowsfoot grass <i>Eleusine indica</i> Green summer grass <i>Brachiaria subquadriflora</i> Guinea grass <i>Panicum maximum</i> Nutmuss* <i>Cyperus rotundus</i> Ryegrass <i>Lolium rigidum</i> Summer grass <i>Digitaria ciliaris</i>	Seedlings only		*This mixture will provide 3 to 4 weeks suppression of nutgrass only. For satisfactory suppression 2 applications are required.
	Stinking passionfruit <i>Passiflora foetida</i>	Up to the 6 leaf stage	1.0 to 1.5 L <b>PLUS</b> atrazine at recommended rate	Apply as a tank mix. When spraying mature weeds, regrowth may appear after defoliation of the weed. Refer to the atrazine label for additional directions for use.
	Awnless barnyard grass <i>Echinochloa colona</i> Summer grass <i>Digitaria ciliaris</i> Green summer grass <i>Brachiaria subquadriflora</i>	Up to flower emergence when grasses are actively growing	1.0 L <b>PLUS</b> ametryn at recommended rate	Apply this tank mix only as a directed spray. Optimum results are obtained with warm, moist weather. Apply only when weeds are actively growing.

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

**WITHHOLDING PERIOD**

**DO NOT HARVEST FOR 60 DAYS AFTER APPLICATION.**