



For the control of certain weeds in wheat and triticale

Technical Brief

Active Ingredient:	750 g/kg sulfosulfuron
Chemical Family:	sulfonylurea (SU)
Mode of Action Group:	B
Formulation:	Water Dispersible Granule
Mode of Action:	Inhibitors of acetolactate synthase (ALS inhibitors)
Behaviour in Plants:	Absorbed by foliage and roots. It is rapidly translocated and acts by inhibiting acetolactate synthase (ALS), an enzyme necessary for root and shoot growth in sensitive plants.

Benefits

- Integral tool in brome grass and barley grass management
- Allows growers to reduce competition and maximise yield
- Economic pre-emergent weed control

Weed Management

Restraints

DO NOT apply more than once per season.
DO NOT apply to crops undersown with legumes.
DO NOT spray when very dry conditions prevail.

DO NOT use on furrow or flood irrigated crops.
DO NOT apply to soils with pH over 8.5.
Weed control may be reduced if rainfall occurs soon after application

PRE-EMERGENT APPLICATION

Crops	Weeds Controlled / Supressed	Rate/ha	Critical Comments
Wheat Triticale (VIC, NSW, WA, SA, TAS only)	Barley grass*, Brome grass*, Wild turnip	25 g	Apply to bare soil prior to sowing or at sowing and incorporate by the sowing operation. Application should not be made to ridged or excessively cloddy soil. In conservation tillage situations where weeds and grasses have emerged apply as a tank mixture with the recommended rate of glyphosate prior to sowing.
	Weeds as above plus the control of Wild oats	25 g plus 1.6 L of tri-allate (500 g/L)	For best results follow the tri-allate (500 g/L) label directions for incorporation.
	Weeds as above plus Annual Ryegrass, Canary grass, Fumitory, Wireweed (Hogweed)	25 g plus 800 mL trifluralin (480 g/L)	For best results follow the trifluralin label directions for incorporation.

* Suppression only

Note: The above table represents only a modified extract from the full registered label.

Always read the full product label before use.

POST-EMERGENT APPLICATION

Apply to wheat and triticale from early crop emergence to the 5 leaf/early tillering growth stage (Z11-15, 22).

Use of surfactant/wetting agent - Post emergent

Always add a paraffinic based oil (i.e. Bonza®) at 1-2 L / 100 L (1 - 2% volume/volume) of final spray volume.

Crop	Weeds Controlled / Suppressed	Stage of Weed Growth	Rate/ha	Critical Comments
Wheat Triticale (VIC, NSW, WA, SA, TAS only)	Amsinkia, Wild mustard* (<i>Sinapsis arvensis</i>)	Apply at the cotyledon to 4 leaf stage	25 g	Optimum results will be obtained if good soil moisture exists at and after application. A follow up spray with a different herbicide may be necessary to control subsequent germinations.
	Barley grass*, Silvergrass (<i>Vulpia bromoides</i>), Wild oats*	Apply at the 1 to 4 leaf stage (Z11-14)	25 g	
	Brome grass* (<i>Bromus diandrus</i> & <i>B. rigidus</i>)	Apply at the 1 to 3 leaf stage. (Z11-13)	pH more than 7.0 - 20 g	When treating dense infestations of Silvergrass use water volumes of at least 70 L/ha and small droplets to improve coverage. Monaco will provide good control of volunteer field peas. However a small proportion of plants may survive and require a follow up spray with a different herbicide to eliminate the potential for grain contamination.
			pH less than 7.0 - 25 g	
	Volunteer canola (except canola tolerant to Group B herbicides), Wild radish, Wild turnip	Apply at the cotyledon to 4 leaf stage	20 g	
Volunteer field peas	Apply at the 1- 3 leaf stage	20 g		

* Suppression only

Note: The above table represents only a modified extract from the full registered label. Always read the full product label before use.

Mixing and Compatibility

MIXING

Monaco Herbicide is a water dispersible granular herbicide, which mixes readily with water and is applied as a spray.

1. Partly fill the spray tank with water.
2. Start the agitation
3. Add the correct amount of product to the spray tank with the agitation system running.
4. Continue agitation while topping up the tank with water and while spraying.
5. In tank mixes Monaco Herbicide must be in suspension before adding the companion product or paraffinic oil.
6. Use the spray mix within 24 hours of preparation.

COMPATIBILITY

Read and follow all label directions, restraints, plant back and withholding periods and safety directions for all tank-mix products. In tank mixes Monaco Herbicide must be in suspension before adding the companion product or surfactant.

Pre emergent: Monaco Herbicide is compatible with tri-allate (500 g/L), glyphosate (both liquid and water dispersible granule formulations), diquat (250 g/L), paraquat & diquat, trifluralin (480 g/L).

Post emergent: For treatment of Brome grass, Wild oats, Wild mustard (*Sinapsis arvensis*), Wild radish and Wild turnip; Monaco Herbicide is compatible as a 2 way mixture with clopyralid (300 g/L) up to 300 mL/ha or clopyralid (750 g/kg) up to 120 g/ha, MCPA LVE up to 350 mL/ha and diflufenican & MCPA (i.e. Tigrex®) up to 750 mL/ha. Always add paraffinic oil at 1 - 2 L / 100 L (1 - 2% volume/volume) of final spray volume. Monaco Herbicide may also be mixed with DC Trate® at 2 L / 100 L (2% volume/volume) of final spray volume. Some increased temporary crop yellowing may occur when Monaco Herbicide is tank mixed with diflufenican & MCPA (i.e. Tigrex®).

Incompatible: The following herbicides and insecticides are incompatible with Monaco Herbicide: tralkoxydim, dicamba, diclofop-methyl, terbutryn, omethoate and dimethoate.

Plant back period: Vic, NSW, WA, SA, TAS only

Soil pH (1:5 soil: water suspension method)	Replant Interval	Minimum rainfall ¹	Crop
6.5 or less	10 months	300 mm	Canola, Chickpeas, Lentils, Lupins, Oats, Peas, Sub clover*
	12 months	300 mm	Barley, Faba beans
6.5 – 8.5	10 months	300 mm	Cereal rye
	22 months	600 mm	Barley, Canola, Chickpeas, Faba beans, Lentils, Medic*, Oats, Peas, Vetch

¹ Minimum rainfall required between Monaco Herbicide application and the sowing of the plantback crop.

* Includes natural regeneration of sub clover and medics.

Do not apply to soils with a pH (water)>8.5.

For all other crops refer to a Crop Culture representative for further advice.

Packaging

Pack size: 500 g



Monaco Herbicide

Innovative & Professional Products

www.cropculture.com.au