

Rygel

Triasulfuron 750 WG Herbicide

Active Constituent: 750g/kg TRIASULFURON

For pre-plant control of annual ryegrass, Paradoxa grass and certain broadleaf weeds in wheat and for post-emergent control of wild radish in wheat, oats and barley.

APVMA Approval No: 58350/0304

Pack Size: 1kg

GENERAL INSTRUCTIONS

Rygel Triasulfuron 750 WG Herbicide is a water dispersible granular, herbicide for the pre-plant, incorporated by sowing, control of annual ryegrass, Paradoxa grass and certain broadleaf weeds in wheat, and for post-emergent control of wild radish in wheat, oats and barley.

Crops other than wheat, barley, oats, triticale and cereal rye can be very sensitive to low soil concentrations of Rygel Triasulfuron 750 WG Herbicide, thus prior to using the product, careful consideration should be given to crop rotation plans.

RESISTANT WEEDS WARNING

GROUP	B	HERBICIDE
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Rygel Triasulfuron 750 WG Herbicide is a member of the Sulfonylurea group of herbicides. The product has the inhibitors of acetolactate synthase mode of action. For weed resistance management Rygel Triasulfuron 750 WG Herbicide is a Group B Herbicide.

Some naturally occurring weed biotypes resistant to Rygel Triasulfuron 750 WG Herbicide and other Group B 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 Rygel Triasulfuron 750 WG Herbicide or any other Group B herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Rygel Australia Pty Ltd accepts no liability for any losses that may result from the failure of Rygel Triasulfuron 750 WG Herbicide to control resistant weeds.

Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department.

MIXING

Rygel Triasulfuron 750 WG Herbicide is a water dispersible granular herbicide, which mixes readily with water and is applied as a spray.

- Partly fill the spray tank with water
- Start the agitation
- Add the correct amount of product to the spray tank with the agitation system running

- Continue agitation while topping up the tank with water and while spraying.
- Use the spray mix within 24 hours of preparation.

APPLICATION

Ground Application

Apply by boom spray, applying 30 to 100L of water per hectare. Avoid overlapping of boom runs.

Aerial application

Always spray in a crosswind of less than 5 knots. Ensure good spray coverage is obtained. Apply 20 to 40 litres per hectare.

SPRAYER CLEANUP

When the sprayer is being used to spray cereal crops, rinse the sprayer thoroughly with water. Where the sprayer is being used to spray crops other than cereals:

1. Drain tank then rinse tank and spray boom with clean water for at least 10 minutes.
2. Fill the tank with clean water and add to it 300mL of household chlorine bleach (containing 4% chlorine) per 100L of water. Rinse hoses and boom and leave in tank for 15 minutes whilst agitating. Drain through nozzle.
3. Repeat step 2 and then rinse thoroughly with clean water to remove all traces of chlorine bleach.
4. Nozzles and filters should be cleaned separately.
5. Dispose of all water used for cleaning.

COMPATIBILITY

When using a tank mix of Rygel Triasulfuron 750 WG Herbicide and paraquat/diquat, add Rygel Triasulfuron, with constant agitation, to approximately half the total volume of water to be used.

- Ensure that the Rygel Triasulfuron is fully dispersed.
- Add the paraquat/diquat, fill the spray tank to full volume with water and mix thoroughly.
- Apply tank mix immediately, under constant agitation.

Rygel Triasulfuron 750 WG Herbicide is compatible with S-metolachlor, tri-allate, paraquat/diquat, glyphosate, 2,4-D amine, metsulfuron-methyl, bromoxynil, trifluralin, sodium molybdate, zinc sulphate, manganese sulphate, copper sulphate, chlorpyrifos, permethrin.

**CROP ROTATION GUIDELINES
PRE-EMERGENT APPLICATION**

Where the product is applied at the rate of 30-35g/ha:

Unless otherwise specified (see table below), wheat, barley, oats, triticale and cereal rye can be planted the following season without restrictions.

For other specified crops Rygel Triasulfuron 750 WG Herbicide treated area may be replanted after the interval indicated in the table below. These recommendations are made on the assumption that Rygel Triasulfuron 750 WG Herbicide is applied to a wheat crop that reaches maturity in the season of application.

Soil pH (1:5 Soil: Water Suspension Method)	State	Replanting Interval	Minimum Rainfall Requirements between application and sowing the following crop	Crop
6.5 or less	WA, SA, NSW, Vic, Qld only	12 months	300mm	Field Peas, Linseed, Lucerne, Lupins, Medics**, Subterranean Clover**, Faba Beans, Chickpeas and Canola.
	NSW, Qld only	15 months	700mm	Sorghum, Maize, Soybean, Cotton, Cowpea and Mung Bean.
		18 months	900mm	Sunflowers.
6.6 to 7.5	NSW, Qld only	12 months	500mm	Chickpeas and Canola
		15 months	700mm	Sorghum, Maize, Soybean, Cotton, Cowpea and Mung Bean.
		18 months	900mm	Sunflowers.
	WA, SA, Vic only	22 months	500mm	Field Peas, Linseed, Lucerne, Lupins, Medics**, Subterranean Clover**, Faba Beans, Chickpeas, Canola, Sorghum, Maize, Soybean and Cotton
	7.6 and 8.5	Vic, SA only	12 Months	250mm
300 mm				Barley, Oats, Cereal Rye for hay crops.
7.6 and 8.5	NSW, Qld only	12 months	500mm	Chickpeas and Canola.
		18 months	700 mm	Sorghum, Maize, Soybean, Cotton, Cowpea and Mung Bean.
	WA, SA, Vic only	24 months	700mm	Field Peas, Linseed, Lucerne, Lupins, Medics**, Subterranean Clover**, Faba Beans, Chickpeas, Canola, Sorghum, Maize, Soybean and Cotton
8.6 and above	Vic, SA only	12 months	250 mm	Barley, Oats, Cereal Rye for grain crops.
			300 mm	Barley, Oats, Cereal Rye for hay crops.
	WA, SA, NSW, Vic, Qld only	24 months	700 mm	Field Peas, Linseed, Lucerne, Lupins, Medics**, Subterranean Clover**, Faba Beans, Chickpeas, Canola, Sorghum, Maize, Soybean and Cotton

** Includes natural regeneration of subterranean clover and medics.

For all other crops a replanting interval of 24 months has to be observed.

Where the product is applied at 10-15g/ha plus 830mL of 480g/L trifluralin:

Where the pH is less than 7.5 the following crops can be replanted from 9 months after application providing 300mm of rainfall has been recorded; field peas, canola, chickpeas, medics, clover, lucerne, safflower, lupins, cereal rye, barley, oats, wheat, Triticale. Where rainfall is less than 300mm for this period further advice should be sought from Rygel.

Where the pH is above 7.5 the following crops can be replanted 9 months after application of Rygel Triasulfuron – cereal rye, wheat, oats, barley, triticale.

Where the pH is above 7.5 the following crops can be replanted 12 months after application of Rygel Triasulfuron providing 350mm of rainfall has been recorded; field peas, canola, chickpeas, medics, clover, lucerne, safflower, lupins. Where less than 350mm of rain has fallen between application and sowing the crop, further advice should be sought from a Rygel representative.

**CROP ROTATION GUIDELINES
POST-EMERGENT APPLICATION**

Soil pH (1:5 Soil: Water Suspension Method)	State	Replanting Interval	Crop
6.5 or less	WA, SA, NSW, Vic only	7 months	Field Peas, Linseed, Lucerne, Lupins, Medics**, Subterranean Clover**, Faba Beans, Chickpeas and Canola.
		14 months	Sorghum, Maize, Soybean and Cotton,
6.6 to 8.0	WA, SA, NSW, Vic only	20 months	Chickpeas, canola, sorghum, maize, soybean, cotton, field peas, linseed, lucerne, medics**, subterranean clover**, faba beans.

** Includes natural regeneration of Subterranean Clover and Medics.

For all other crops a replanting interval of 24 months has to be observed.

These recommendations are made on the assumption that Rygel Triasulfuron 750 WG Herbicide is applied to a wheat crop that reaches maturity in the season of application.

Where Rygel Triasulfuron 750 WG Herbicide is used on soil types with pH greater than 8 (1:5 soil: water suspension method), further advice should be sought from Rygel regarding crop rotation guidelines, except for barley, cereal rye, oats, triticale and wheat.

CROP ROTATION GUIDELINES (tank mixture of Rygel Triasulfuron 750 WG Herbicide and terbutryn)

The following crops can be planted after an application of Rygel Triasulfuron and terbutryn.

In areas where pH is less than 7.5 -

9 months after an application: barley, cereal rye, chickpeas, faba beans, field peas, lupins, medics, oats, canola, safflower, sub-clover, Triticale, wheat.

In areas where pH is greater than 7.5 -

9 months after an application: barley, cereal rye, oats, Triticale, wheat.

14 months after an application: cotton, maize, sorghum, soybeans, and sunflowers. Where residual herbicides are applied following an application, the crop rotational guidelines for these products must be followed.

22 months after an application: chickpeas, faba beans, field peas, lupins, medics, canola, safflower, and sub-clover.

For all other crops, advice should be sought from Rygel Australia Pty Ltd.

PRECAUTIONS

Some crop yellowing or crop retardation may occur where a stress factor such as water logging, drought, excessive soil acidity or alkalinity or trace element deficiency, disease - rhizoctonia, Take All, cereal cyst nematodes or soil insects are present or occur following application.

Special care should be taken with regard to the application of Rygel Triasulfuron to durum wheats as these may be more sensitive where the above stresses are present. In these situations crop recovery will be rapid provided the stress factors DO NOT continue exerting a negative effect on the crops growth.

Crop retardation may also occur in some instances where considerable late summer/early autumn weed growth occurs. Weeds such as goosefoot *Chenopodium spp* can release herbicidally active compounds into the soil.

RE-ENTRY PERIOD

DO NOT enter treated area without protective clothing until spray has dried.

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

DO NOT apply on or near shrubs, trees, lawns or crops other than wheat, oats and barley.

DO NOT drain or flush equipment on or near desirable trees or other plants, where their roots may extend or in situations where by movements of soil, or seepage, absorption of the herbicide may occur.

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.

DO NOT allow spray to drift onto adjacent crops and non-target desirable plants.

DO NOT allow spray to drift onto adjacent fallow land.

**PROTECTION OF WILDLIFE, FISH,
CRUSTACEAN AND ENVIRONMENT**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose

of undiluted chemicals on site. Break, crush, puncture and bury the empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Tel 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet that can be obtained from the supplier.

CONDITIONS OF SALE

The use of Rygel Triasulfuron 750 WG Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Rygel Australia Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Rygel Australia Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In an Emergency Dial 000 Police or Fire Brigade

DIRECTIONS FOR USE

WESTERN AUSTRALIA ONLY PRE-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat (pre-emergent application)	Burr Medic, Common Cotula, Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Denseflower Fumitory, Hedge Mustard, Indian Hedge Mustard, Matricaria, Paterson's Curse, Rough Poppy, Smallflower Fumitory, Wards Weed, wild Turnip, Yellow Burrweed (Amsinckia), and suppression of Crassula.	30g	Apply to bare moist soil prior to sowing or at sowing and incorporate by the sowing operation using low profile 10 cm combine points. Application should not be made to ridged or excessively cloddy soil. For best results apply to moist soil, when follow up rain is likely to occur within 7-10 days. In conservation tillage situations where weeds and grasses have emerged apply as a tank mixture with the recommended rate of knockdown herbicide prior to sowing. When used on Kulin wheat on very acid soils (pH 5.5 in water) or under poor fertility conditions increases stem breakage may occur. Early season crop retardation may occur where the product is used on soils with a pH greater than 8, and which are prone to zinc deficiency.
	Annual Ryegrass, Capeweed, Doublegee or Three Cornered Jack (Spiny Emex), wireweed and suppression of Wild Radish and also of 60 80% suppression of Soursob.	35g	
	Annual Ryegrass, Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Hedge Mustard, Indian Hedge Mustard, Prickly Lettuce (Whipthistle), Smallflower Fumitory, Wild Turnip, Wireweed (Hogweed), Ward's Weed	10g to 15g plus 830mL of 480g/L trifluralin	This mixture to be only used on alkaline soils where the pH is greater than 8 (1:5 soil : water suspension method). For best results apply mix to bare moist soil that has a minimum of trash and incorporate to a depth of 5 cm just prior to sowing. Incorporation should be made within 4 hours of application. Heavy rainfall (greater than 50 mm) within 7 days of application may affect efficacy especially at the 10g rate. Late germination of some weeds eg. Annual Ryegrass will not be controlled in seasons of above average rainfall. Use the higher rate where high density of weeds is expected.

WESTERN AUSTRALIA ONLY

POST-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT spray when very dry conditions prevail.

DO NOT spray under dry frosty conditions.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

If RAIN FALLS within 6 hours of application, the effect could be diminished.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat, Oats, Barley (post-emergent application)	Wild Radish	10-15g plus crop oil at 1L per 100L of spray mixture or surfactant at recommended label rates.	EARLY POST EMERGENT APPLICATION: Spray prior to the crop reaching mid-tillering (Zadoks 23) and when Wild Radish is in the 2-6 leaf stage. Use rates towards the lower end of the range, when weeds are small and growing conditions ideal. Spray only when weeds are actively growing. LATE POST EMERGENT APPLICATION: Spray during early flowering. DO NOT apply to the crop during crop anthesis or flowering (Zadoks 60-69). DO NOT spray on weeds under stress. WARNING: Application to oats may cause some yellowing
Barley, Oats, Triticale, wheat - From 3 leaf to early tillering stage	Turnip Weed	6.5g + 300mL 500 SC terbutryn	Spray when weeds are in 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for vetch), except 2 to 4 leaf for Doublegee. Use the rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing.
	Denseflower Fumitory, Hedge Mustard, Smallflower Fumitory	6.5g + 300mL 500 SC terbutryn to 10g + 440mL 500 SC terbutryn	
	Ball Mustard, Field peas (volunteer)	10g + 440mL 500 SC terbutryn	Spray only after good rain and when topsoil is moist. Best results are obtained when good soil moisture has been present since planting.
	Deadnettle	10g + 440mL 500 SC terbutryn to 13g + 600mL 500 SC terbutryn	
	Australian Crassula, Doublegee or Three cornered Jack (Spiny Emex), Volunteer Lupins.	13g + 600mL 500 SC terbutryn	

SOUTH AUSTRALIA ONLY

PRE-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat	Ball Mustard, Burr Medic, Corn Gromwell (White Ironweed, Sheepweed), Deadnettle, Denseflower Fumitory, Hedge Mustard, Indian Hedge Mustard, Prickly Lettuce, Smallflower Fumitory, Stemless Thistle, Vetch, Wild Turnip, Yellow Burrweed (Amsinckia), Rough Poppy, Wards Weed.	30g	Apply to bare moist soil prior to sowing or at sowing and incorporate by the sowing operation using low profile 10 cm combine points. Application should not be made to ridged or excessively cloddy soil. For best results apply to moist soil, when follow up rain is likely to occur within 7-10 days. In conservation tillage situations where weeds and grasses have emerged apply as a tank mixture with the recommended rate of knockdown herbicide prior to sowing.
	Annual Ryegrass, Capeweed, Three cornered Jack or Doublegee (Spiny Emex), Volunteer Chickpeas, Faba Beans and Field Peas, Wireweed, and suppression of Wild Radish, also 60-80% control of Soursob and suppression of remaining plants. Suppression of Skeleton Weed.	35g	Rygel Triasulfuron will provide good control of volunteer grain legumes, however a small proportion of plants may survive and require an overspray to eliminate the potential for grain contamination. For Skeleton Weed a significant degree of control will be achieved on soil types of a predominantly sandy clay loam mixture with a pH greater than 8. Best control is observed where Skeleton Weed germinates in the very early stages of the crop. Surviving plants will be stunted.
	Annual Ryegrass, Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Hedge Mustard, Indian Hedge Mustard, Prickly Lettuce (Whipthistle), Smallflower Fumitory, Wild Turnip, Wireweed (Hogweed), Ward's Weed	10g to 15g plus 830mL of 480g/L trifluralin	This mixture to be only used on alkaline soils where the pH is greater than 8 (1:5 soil : water suspension method). For best results apply mix to bare moist soil that has a minimum of trash and incorporate to a depth of 5 cm just prior to sowing. Incorporation should be made within 4 hours of application. Heavy rainfall (greater than 50 mm) within 7 days of application may affect efficacy especially at the 10g rate. Late germination of some weeds eg. Annual Ryegrass will not be controlled in seasons of above average rainfall. Use the higher rate where high density of weeds is expected.

SOUTH AUSTRALIA ONLY

POST-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT spray when very dry conditions prevail.

DO NOT spray under dry frosty conditions.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

If RAIN FALLS within 6 hours of application, the effect could be diminished.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat, Oats, Barley Late Post emergent application	Wild Radish	15g plus crop oil at 1L per 100L of spray mixture or surfactant at recommended label rates.	LATE POST EMERGENT APPLICATION: Spray during early flowering. DO NOT apply to the crop during crop anthesis or flowering (Zadoks 60-69). DO NOT spray on weeds under stress. WARNING: Application to oats may cause some yellowing
Barley, Oats, Triticale, wheat - From 3 leaf to early tillering stage	Faba Beans (volunteer), Long Fruited Turnip, Long Headed Poppy, Paterson's Curse, Turnip Weed	6.5g + 300mL 500 SC terbutryn	Spray when weeds are in 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for vetch), except 2 to 4 leaf for Doublegee. Use the rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing. Spray only after good rain and when topsoil is moist. Best results are obtained when good soil moisture has been present since planting.
	Hedge Mustard, Indian Hedge Mustard, Wild Turnip	6.5g + 300mL 500 SC terbutryn to 10g + 440mL 500 SC terbutryn	
	Ball Mustard, Crassula, Medic, Prickly Lettuce (Whipthistle)	10g + 440mL 500 SC terbutryn	
	Field peas (volunteer), wild Radish	10g + 440mL 500 SC terbutryn to 13g + 600mL 500 SC terbutryn	
	Volunteer Lupins, Doublegee or Three Cornered Jack (Spiny Emex), Vetch, Wireweed (less than 3 leaves) suppression.	13g + 600mL 500 SC terbutryn	

NEW SOUTH WALES ONLY

PRE-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat	Black Bindweed (Climbing Buckwheat), Burr Medic, Common Cotula, Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Denseflower Fumitory, Hedge Mustard, Indian Hedge Mustard, Lesser Swinecress, Paterson's Curse, Prickly Lettuce, Rough Poppy, Smallflower Fumitory, Sowthistle, Stagger Weed, Turnip Weed, Wild Turnip, Yellow Burrweed (Amsinckia), and suppression of Variegated Thistle.	30g	Apply to bare moist soil prior to sowing or at sowing and incorporate by the sowing operation using low profile 10 cm combine points. Application should not be made to ridged or excessively cloddy soil. For best results apply to moist soil, when follow up rain is likely to occur within 7-10 days. In conservation tillage situations where weeds and grasses have emerged apply as a tank mixture with the recommended rate of knockdown herbicide prior to sowing. For best results, for Paradoxa Grass control apply to dry soil before the sowing rain.
	Annual Ryegrass, Capeweed, Doublegee or Three Corned Jack (Spiny Emex), Paradoxa Grass (Annual Phalaris), Wireweed and suppression of Wild Radish and Mexican Poppy	35g	
	Annual Ryegrass, Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Hedge Mustard, Indian Hedge Mustard, Prickly Lettuce (Whipthistle), Smallflower Fumitory, Wild Turnip, Wireweed (Hogweed), Ward's Weed	10g to 15g plus 830mL of 480g/L trifluralin	This mixture to be only used on alkaline soils where the pH is greater than 8 (1:5 soil : water suspension method). For best results apply mix to bare moist soil that has a minimum of trash and incorporate to a depth of 5 cm just prior to sowing. Incorporation should be made within 4 hours of application. Heavy rainfall (greater than 50 mm) within 7 days of application may affect efficacy especially at the 10g rate. Late germination of some weeds eg. Annual Ryegrass will not be controlled in seasons of above average rainfall. Use the higher rate where high density of weeds is expected.

NEW SOUTH WALES ONLY

POST-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT spray when very dry conditions prevail.

DO NOT spray under dry frosty conditions.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

If RAIN FALLS within 6 hours of application, the effect could be diminished.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat, Oats, Barley (Late Post emergent application)	Wild Radish	15g plus crop oil at 1L per 100L of spray mixture or surfactant at recommended label rates.	LATE POST EMERGENT APPLICATION: Spray during early flowering. DO NOT apply to the crop during crop anthesis or flowering (Zadoks 60-69). DO NOT spray on weeds under stress. WARNING: Application to oats may cause some yellowing
Barley, Oats, Triticale, wheat - From 3 leaf to early tillering stage	Turnip Weed	6.5g + 300mL 500 SC terbutryn	Spray when weeds are in 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for vetch), except 2 to 4 leaf for Doublegee. Use the rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing.
	Hedge Mustard, Indian Hedge Mustard, London Rocket, Wild Turnip	6.5g + 300mL 500 SC terbutryn to 10g + 440mL 500 SC terbutryn	
	Black Bindweed (Climbing Buckwheat), Faba Beans (volunteer), Field peas (volunteer), Medic, Shepherds Purse	10g + 440mL 500 SC terbutryn	Spray only after good rain and when top soil is moist.
	Deadnettle, Mexican Poppy, Wild Radish	10g + 440mL 500 SC terbutryn to 13g + 600mL 500 SC terbutryn	Best results are obtained when good soil moisture has been present since planting.
	Coreopsis, Sunflower (volunteer), Vetch	13g + 600mL 500 SC terbutryn	

QUEENSLAND ONLY

PRE-EMERGENT APPLICATION

RESTRAINTS

DO NOT apply to crops undersown with legumes.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat	African Turnip Weed, Black Bindweed (Climbing Buckwheat), Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Densflower Fumitory, Hedge Mustard, Indian Hedge Mustard, New Zealand Spinach, Prickly	30g	Apply to weed free soil prior to sowing or at sowing and incorporate by the sowing operation using low profile 10cm combine points. Application should not be made to ridged or excessively cloddy soil. For best results apply when follow up rain is likely to occur within 7-10 days. In conservation tillage

Lettuce, Slender Celery, Smallflower Fumitory, Turnip Weed, Yellow Burrweed (Amsinckia)		situations where weeds and grasses have emerged apply as a tank mixture with the recommended rate of knockdown herbicide prior to sowing.
Annual Ryegrass, Common Peppergrass, Doublegee or Three Cornered Jack (Spiny Emex), London Rocket, Paradoxa Grass, Stagger Weed and suppression of Wild Radish and Wireweed	35g	For Paradoxa Grass control, apply to dry soil before the sowing rain.

QUEENSLAND ONLY

POST-EMERGENT APPLICATION

RESTRAINTS

DO NOT apply to crops undersown with legumes.

DO NOT spray when very dry conditions prevail.

DO NOT spray under dry frosty conditions.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

If RAIN FALLS within 6 hours of application, the effect could be diminished.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Barley, Oats, Triticale, wheat - From 3 leaf to early tillering stage	Turnip Weed	6.5g + 300mL 500 SC terbutryn	Spray when weeds are in 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for vetch), except 2 to 4 leaf for Doublegee. Use the rates towards the lower end of the range.
	Denseflower Fumitory, Indian Hedge Mustard, Smallflower Fumitory, Wild Turnip	6.5g + 300mL 500 SC terbutryn to 10g + 440mL 500 SC terbutryn	(where applicable) when weeds are small and soil conditions are very moist.
	Black Bindweed (Climbing Buckwheat), London Rocket	10g + 440mL 500 SC terbutryn	Spray only when weeds are actively growing.
	Wild Radish	10g + 440mL 500 SC terbutryn to 13g + 600mL 500 SC terbutryn	Best results are obtained when good soil moisture has been present since planting.
	Coreopsis, Corn Gromwell (Sheepweed or White Ironweed)	13g + 600mL 500 SC terbutryn	

VICTORIA ONLY

PRE-EMERGENT APPLICATION RESTRAINTS

DO NOT apply to crops undersown with legumes.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

Crop	Weeds Controlled	Rate/ha	Critical Comments
<p>Wheat (pre-emergent application)</p>	<p>Annual Ryegrass, Burr Medic, Capeweed, Corn Gromwell, (White Ironweed, Sheepweed), Deadnettle, Hedge Mustard, Indian Hedge Mustard, Prickly Lettuce (Whipthistle), Smallflower Fumitory, Volunteer Chickpeas, Faba Beans and Field Peas, Wild Turnip, Wireweed (Hogweed), Yellow Burrweed (Amsinckia) and suppression of Wild Radish and Skeleton Weed</p>	<p>30 to 35g</p>	<p>Apply to bare moist soil prior to sowing or at sowing and incorporate by the sowing operation using low profile 10cm combine points.</p> <p>Applications should not be made to ridged or excessively cloddy soil. Use rates towards the lower end of the range where broadleaf weeds are the major problem.</p> <p>Use the higher rate where Capeweed, Volunteer Chickpeas, Faba Beans and Field Peas, Wild Radish and Wireweed are the problem. Rygel Triasulfuron will provide good control of volunteer grain legumes, however a small proportion of plants may survive and require an overspray to eliminate the potential for grain contamination.</p> <p>For best results apply to moist soil when follow up rain is likely to occur within 7-10 days. Use the lower rate (30g/ha) on sandy clay loams with a pH greater than 8.5.</p> <p>For Skeleton Weed a significant degree of control will be achieved on soil types of a predominantly sandy clay loam mixture with a pH greater than 8. Best control is observed where Skeleton Weed germinates in the very early stages of the crop. Surviving plants will be stunted.</p>
	<p>Annual Ryegrass, Corn Gromwell (White Ironweed, Sheepweed), Deadnettle, Hedge Mustard, Indian Hedge, Mustard, Prickly Lettuce, (Whipthistle), Smallflower, Fumitory, Wild Turnip, Wireweed (Hogweed), Ward's Weed.</p>	<p>10g-15g plus 830mL/ha of 480g/L trifluralin</p>	<p>This mixture to be only used on alkaline soils where pH is greater than 8 (1:5 Soil: Water suspension method). For best results apply mix to bare moist soil that has a minimum of trash and incorporate to a depth of 5cm just prior to sowing. Incorporation should be made within 4 hours of application. Heavy rainfall (greater than 50mm) within 7 days of application may affect efficacy especially at the 10g/ha rate. Late germination of some weeds eg. Annual Ryegrass will not be controlled in seasons of above average rainfall.</p> <p>Use the higher rate where heavy density of weeds is expected.</p>

VICTORIA ONLY

POST-EMERGENT APPLICATION

RESTRAINTS:

DO NOT apply to crops undersown with legumes.

DO NOT spray when very dry conditions prevail.

DO NOT spray under dry frosty conditions.

DO NOT use if another Group B herbicide (ALS Inhibitor) has been used during the current season.

DO NOT apply to paddocks where there is a high risk of weeds resistant to Group B Herbicides.

Apply no more than two Group B Herbicides in any four-year period on the same paddock.

If RAIN FALLS within 6 hours of application, the effect could be diminished.

Crop	Weeds Controlled	Rate/ha	Critical Comments
Wheat, Oats, Barley Late Post emergent application	Wild Radish	15g plus crop oil at 1L per 100L of spray mixture or surfactant at recommended label rates.	LATE POST EMERGENT APPLICATION: Spray during early flowering. DO NOT apply to the crop during crop anthesis or flowering (Zadoks 60-69). DO NOT spray on weeds under stress. WARNING: Application to oats may cause some yellowing
Barley, Oats, Triticale, wheat - From 3 leaf to early tillering stage	Paterson's Curse, Turnip Weed	6.5g + 300mL 500 SC terbutryn	Spray when weeds are in 2 to 6 leaf stage (up to 6 node/leaflet for field peas, 10 leaflet for vetch), except 2 to 4 leaf for Doublegee. Use the rates towards the lower end of the range (where applicable) when weeds are small and soil conditions are very moist. Spray only when weeds are actively growing.
	Hedge Mustard, Indian Hedge Mustard, Wild Turnip	6.5g + 300mL 500 SC terbutryn to 10g + 440mL 500 SC terbutryn	
	Crassula, Faba Beans (volunteer), Hyssop, Loosestrife, Medic, Prickly Lettuce (Whipthistle)	10g + 440mL 500 SC terbutryn	Spray only after good rain and when top soil is moist.
	Deadnettle, Field peas (volunteer), Wild Radish	10g + 440mL 500 SC terbutryn to 13g + 600mL 500 SC terbutryn	Best results are obtained when good soil moisture has been present since planting.
	Volunteer Lupins, Vetch, and Wireweed (less than 3 leaves) suppression.	13g + 600mL 500 SC terbutryn	

ALL STATES

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

WITHHOLDING PERIODS

PRE-EMERGENT: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 WEEKS AFTER APPLICATION

POST-EMERGENT: DOES NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION