



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

RYGEL AMINE 625 Selective Herbicide

ACTIVE CONSTITUENT: 625 g/L 2,4-D present as the dimethylamine and diethanolamine salts

GROUP II HERBICIDE

For the control of broadleaf weeds in fallow before direct drilling or sowing of cereals and pastures; and in cereal crops, pastures, sugarcane, peanuts, and non-agricultural areas as per the Directions for Use.

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

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

Label image proudly supplied by



1000 LITRES



RYGEL 85647

Rygel Amine 625 Selective Herbicide

GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions.

APPLICATION INFORMATION

BOOM SPRAYING – Use 30–120L/ha of water.

AERIAL SPRAYING – Use 10–90L/ha of water.

EQUIPMENT MAINTENANCE AND USAGE

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed out with hot soapy water or 1% solution of ammonia, followed by several clear water rinses.

COMPATIBILITY

This product can be tank mixed with dicamba, diuron, chloresulfuron, paraquat/diquat, paraquat, 22DPA, atrazine and picloram, and the fungicide propiconazole.

RESISTANT WEEDS WARNING

Rygel Amine 625 Selective Herbicide is a member of the Phenoxy group of herbicides. Rygel Amine 625 Selective Herbicide has the Group I mode of action. For weed resistance management Rygel Amine 625 Selective Herbicide is a Group I Herbicide. Some naturally occurring weed biotypes resistant to Rygel Amine 625 Selective Herbicide and other Group 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 Rygel Amine 625 Selective Herbicide or other Group I herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Rygel Pty Ltd accepts no liability for any losses that may result from the failure of Rygel Amine 625 Selective Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray in high winds. DO NOT spray cereals if lucerne is present. DO NOT spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result!

Drift Warning: DO NOT apply under weather conditions or from spraying equipment that may cause spray drift onto nearby susceptible plants / crops, cropping lands or pastures. Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, fruit trees, vegetables, legume crops and pasture, oilseed crops and susceptible trees (eg Kurrajongs, Belahs and Eucalyptus).

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 nozzles.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied at any time as recommended in the Directions for Use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

5L, 20L, 200L

Store in the closed, original container in cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to 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.

For refillable containers (1000L only)

Store in the closed, original container in a dry, cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Do not contaminate seed, feed or foodstuff. Empty contents fully into application equipment! Close all valves and return to point of supply for

refill or storage.

110L Mini Bulk Returnable Container

Store the original sealed 110L container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Do not tamper with the MicroMatic valve or the security seal. Do not contaminate the container with water or any other foreign matter. After each use of the product ensure the MicroMatic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the 110L container have been used, please return the empty container to the point of purchase. The 110L container remains the property of Rygel Australia Pty Ltd.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin, immediately wash area with soap and 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 and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE

The use of Rygel Amine 625 Selective 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**



APVMA Approval No: 58811/1000L/0605

Rygel Australia Pty Ltd

ACN: 106 839 007

103 Orlish Rd., Dandenong South, Vic 3175

Tel: 03 9768 2803 Fax: 03 9768 2804

Batch No:
 DOM:

VERSION 2

7/1.



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Rygel
Amine 625
Selective Herbicide

ACTIVE CONSTITUENT: 625 g/L 2,4-D present as the dimethylamine and diethanolamine salts

GROUP 1 HERBICIDE

For the control of broadleaf weeds in fallow before direct drilling or sowing of cereals and pastures; and in cereal crops, pastures, sugar cane, peanuts and non-agricultural areas as per the Directions for Use.

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

IMPORTANT: READ THIS BOOKLET BEFORE USING THIS PRODUCT

Rygel Australia Pty Ltd ACN 106 839 007
103 Ordish Road, Dandenong South Vic 3175
Tel: 03 9768 2803 Fax: 03 9768 2804

APVMA Approval No.: 58811/0605

DIRECTIONS FOR USE

RESTRAINTS: DO NOT spray if rain seems likely within 6 hours or if strong winds prevail.
DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.

1. FIELD CROPS

| Situation | Weeds Controlled | State |
|------------------------------|------------------|-------------------|
| Wheat | Refer Weed Table | NSW, ACT, SA only |
| | | Vic only |
| | | Qld only |
| | | Tas only |
| Barley | | NSW, ACT, SA only |
| | | Vic only |
| | | Qld only |
| | | Tas only |
| Cereal Rye, Triticale | | NSW, ACT, SA only |
| | | Vic only |
| Oats | | NSW, SA only |
| | | Vic only |

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| Rate Vol/ha | Critical Comments |
|---------------|---|
| 320mL -1.7L | Apply after the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller (NSW, SA only) |
| 225mL -1.4L | |
| 560mL -1.4L | Apply from tillering to boot stage (Vic only) |
| 800mL-1.4L | Apply from mid tillering to before boot stage (Qld only) |
| 320mL - 1.4L | Apply at 5 leaf to fully tillered (Tas only) |
| 225mL -1.4L | |
| 560mL -1.4L | |
| 800mL-1.4L | |
| 320mL -1.4L | |
| 225mL -1.4L | |
| 320mL - 800mL | |
| 225mL - 800mL | |

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DIRECTIONS FOR USE continued**1. FIELD CROPS continued**

| Situation | Weeds Controlled | State |
|--|--|------------------------|
| Cereals: Wheat, Oats, Barley | Cape Tulip | WA only |
| | Dock, Flatweed, Saffron Thistle | |
| | Indian Hedge, Mustard, London Rocket, Lupin, Rapistrum, Wild Radish | |
| | Wild Turnip | |
| | Capeweed, Doublegee, Erodium, London Rocket, Lupin, Mustard, Rapistrum, Wild Radish, Wild Turnip | |
| Wheat, Barley | Wild Radish | Vic, SA, ACT, NSW only |
| Fallow, Stubble Spray prior to direct drilling or sowing. Winter Cereals, Grain legumes (peanuts - Qld only) and Canola | Refer Weed Table | All States |

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| Rate Vol/ha | Critical Comments |
|---|--|
| 640mL - 1.3L | Apply from the 5 leaf stage up to jointing stage (Zadoks 15-33). Apply after the 6 leaf stage (Z.16) for Cranbrook, Jacup, Aroona and Spear Wheat and Mortlock Oats to avoid possible damage. DO NOT spray if lucerne is present. WEED STAGE: 10-15cm. Docks should be sprayed before 5 leaf stage. Cape Tulip - low rate for cormils only. |
| 1.1L | |
| 800mL | |
| 640mL | |
| 200mL/ha plus 500mL/ha Diuron (500g/L) | Apply when crop has 4-5 leaves and most weeds have germinated and are in 2-5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medics. |
| 80mL/ha plus 850g/ha Bayer Tribunil Herbicide | Spray 2-6 weeks after sowing and not later. Do not use on crops undersown with lucerne. |
| 225mL -1.7L | Observe plant back periods given in the table on this leaflet. Can be mixed with chlorsulfuron, paraquat, paraquat/diquat where grasses are present. Select appropriate rate from the Weed Table. For Skeleton Weed spraying should only be done 6-8 weeks before anticipated sowing date and subsequent cultivation limited to a minimum. |

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DIRECTIONS FOR USE continued

1. FIELD CROPS continued

| Situation | Weeds Controlled | State |
|--|--|------------------------|
| Millet | Refer Weed Table | NSW, SA, ACT, Vic only |
| | | Qld only |
| Sacaline, Broom Millet, Millet, Grain Sorghum | Cape Tulip, Dock, Saffron Thistle, Indian Hedge, Mustard, London Rocket, Rapistrum, Lupin, Wild Radish, Wild Turnip | WA only |
| Sugar Cane (Q80, Q96, & H56 varieties) | Bellvine | Qld, NSW only |
| | Morning Glory | |
| | Pink Convolvulus Star of Bethlehem | |
| Sugar Cane | Bindy Eye (Star Burr), Blue Top, Cobblers Pegs, Flea-banes, Jute, Laucas Needle Burr, Spear Thistle, Water Primrose, Ipomea Vines, Convolvulus Vines | Qld only |
| | Chinese Mint, Blue Snakeweed | |

| Rate Vol/ha | Critical Comments |
|-------------------|--|
| 560mL - 1.1L | Spray when secondary roots have been developed, when fully tillered and before heads start to form at the base of the tillers. Do not use on Panorama Millet or Panicum. |
| 560 - 900mL | |
| 1.1L | Spray when crop is 10-30cm high and secondary roots have developed and before tasselling. Apply as direct spray to weeds. |
| 280mL/ 100L water | Apply in Spring, using directed spray. |
| 560mL to 1.1L | Apply in Summer, using high clearance tractor. |
| 1.1L | Apply in Autumn by aircraft. |
| 1.8L - 3.5L | Add 60-120mL Spray Sure Difuser/100L of spray mixture. Agitate well DO NOT use on Q63, Q67, Q80 or Q96 Varieties. |
| 3.5L | |

DIRECTIONS FOR USE continued**1. FIELD CROPS continued**

| Situation | Weeds Controlled | State |
|--|--|------------|
| Peanuts | Broadleaf Weeds, except Noogoora Burr, Grasses except Mossman Burr | Qld only |
| Harvest Aid or Salvage Spray - Winter Cereals | Dessicate Broadleaf Weeds Refer Weed Table | All States |
| Bananas | To destroy Banana suckers | Qld only |
| Common Stylo forage or seed crops Carribbean Stylo forage or seed crops | Refer to Weeds Table | |

| Rate Vol/ha | Critical Comments |
|------------------|--|
| 1.8L - 3.6L | LOWER RATE: Apply as BAND SPRAY as soon as possible after planting in a 55cm band. HIGHER RATE: Apply as OVERALL SPRAY after planting and before crop emergence. Some crop damage may occur if heavy rain falls between application and crop emergence. |
| 1.2 - 1.7L | Apply after dough stage. |
| 160mL/10L water | Inject at the rate of 15mL per fully grown plant, 10mL per medium sized plant and 5mL for small suckers. |
| 320mL/100L water | Allow suckers from corms of treated plants to form broad adult leaves, then spray. Isolated spots may require a second spray. |
| 800mL | Apply post-emergence when weeds are 3 weeks old and crop is at least 3 weeks old. |
| 800mL - 1.6L | Apply post-emergence when crop is 3 weeks old. |

DIRECTIONS FOR USE continued

2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL,

| Situation | Weeds Controlled | State |
|-------------------------------|--|-----------------------------|
| Pastures and Non-Agricultural | Refer Weed Table | NSW, Qld, SA, ACT, Tas only |
| | Galvanised Burr | NSW, ACT only |
| | Amsinckia, Docks, Bindweed, Caltrop, Flatweed, Spear Thistle, Capeweed, Doublegee, Saffron Thistle, Mustard, Wild Radish, Wild Turnip, Annual Thistles, Paterson's Curse | WA only |
| | Afghan Melons | |
| | Paddy Melons | |
| | Prickly Saltwort (Roly Poly) | |
| | Stinkwort | |
| | Dove Weed | |

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LAWNS

| Rate Vol/ha | Critical Comments |
|----------------------------|--|
| 560mL - 1.7L | Pasture legumes including lucerne, clovers and medics may be damaged unless well protected by grasses. Spot spraying is preferred. |
| 320mL/100L water | Apply to young actively growing weeds. Ensure thorough and even coverage of plants. Note: Treated plants need to be burnt to destroy seeds. |
| 1.1-2.4L | For pastures not containing legumes. Only seedling Docks, Spear Thistle and Saffron Thistle will be controlled. SUMMER WEEDS: Use low rate for seedlings, 1.6-2.4L/ha for larger plants. Stock poisoning may occur when grazed after spraying if large amounts present, particularly Heliotrope. WINTER WEEDS: Use low rate for seedlings, 1.6-2.4L/ha for larger plants. If stock present, use spray/grazing rates. |
| 1.6L plus 1% crop oil | Spray when plants are actively growing preferably before flowering or vining. |
| 800mL - 1.1L | |
| 1.6L | Spray when plants are small. |
| 1.6 - 3.2L plus surfactant | Best results are obtained when plants are small. Use high rate on larger plants. |
| 3.2L | Spray after good emergence of seedlings. |

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DIRECTIONS FOR USE continued

2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS cont.

| Situation | Weeds Controlled | State |
|--|------------------------------|-----------------------------|
| Pastures, Rights of Way and Industrial | Boxthorn, Boneseed, Hawthorn | Vic, SA only |
| | Groundsel | NSW, Qld, ACT, SA only |
| | | Tas only |
| | | Qld, NSW, ACT, SA, Tas only |
| | Lantana | NSW, Qld, ACT, SA only |
| Mother of Millions | NSW only | |

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| Rate Vol/ha | Critical Comments |
|------------------|---|
| 80mL/10L water | Spot Spraying: For boneseed only, thoroughly wet plants or seedlings. |
| Undiluted | Cut stump: Apply or paint undiluted Rygel Amine 625 to freshly cut stumps. |
| 950mL/15L water | MISTING: Lightly wet plants. |
| 320mL/100L water | HIGH VOLUME: Thoroughly wet plants. |
| 240mL/15L water | CUT STUMP: Swab the cut stump immediately. Apply by a pouring can or Knapsack spray. |
| 2.9 - 4 4L | AERIAL APPLICATION: Spray when Groundsel is actively growing. |
| 320mL/100L water | Use a coarse spray with sufficient pressure to penetrate canopy and wet stems as well as foliage. Spray at the end of a wet Summer (March to May). Defoliation should occur but respraying of new growth will be necessary in following Autumn. Broadcast grass seed and keep stock off following Summer to allow the pasture to establish. Damage may result to pasture legumes. |
| 400mL/100L water | Hand gun and Knapsack only. A thorough coverage of leaves and plantlets is necessary. Use Rygel Cropwett 1000 at the rate of 1.0mL of surfactant per 1L of mixture. |

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DIRECTIONS FOR USE continued

2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS cont.

| Situation | Weeds Controlled | State |
|---|--|----------|
| Pastures, Rights of Way and Industrial (cont.) | Noogoora Burr, Weir Vine (Ipomoea), Scarlet Pimpernel (seedlings only), White Eye (Mexican Clover) | Qld only |
| | Annual and Perennial Pigweed, Artichoke Thistle, Bathurst Burr, Billygoat Weed, Blue Snake Weed, Burr Medic, Clockweed* , Fleabanes, Galvanised Burr, Hemlock, Hoary Cress* , Kyalinga Weed (Whisker Grass), Knobweed, Milky Cotton Bushes, Parthenium Weed, Paterson's Curse, Saffron, Thistle, Star Burr, Thornapple, Variegated Thistle* | |
| | Rubber Vine | Qld only |
| | Sesbania Pea | |
| | Water Hyacinth | |
| Wild Tobacco Tree | | |

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| Rate Vol/ha | Critical Comments |
|------------------|--|
| 160mL/100L water | In all cases apply to young, actively growing weeds, ensuring thorough coverage. |
| 320mL/100L water | In all cases apply to young, actively growing weeds, ensuring thorough coverage. * Spray rosette stage. * Repeat spraying necessary. |
| 160mL/10L water | Apply to freshly cut stump. |
| 560 - 900mL | |
| 3.5 - 5.3L | Apply in 2,200 to 3,300L water/ha |
| 240mL/15L water | Cut Stump Treatment. Swab cut stump within 1 hour of cutting. Apply by pouring can or knapsack sprayer. |

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DIRECTIONS FOR USE continued

2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS cont.

| Situation | Weeds Controlled | State |
|---|--|---------------|
| Conservation Tillage - Direct Drilling, Surface Sowing or Fallow Maintenance | Charlock, Mustards, Shepherd's Purse, Saffron, Slender, Spear and Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip | All States |
| | Clover, Sorrel | |
| Pastures – Spray Graze Techniques | | |
| | Amsinckia, Thistles, Capeweed, Doublegee, Mustard, Paterson's Curse, Wild Turnip, Wild Radish, Docks, Geranium, Erodium | SA only |
| | Annual Thistles, Capeweed, Doublegee, Mustards, Paterson's Curse, Wild Turnip, Saffron Thistle, Spear Thistle, Geranium, Slender Thistle | Tas, Vic only |

| Rate Vol/ha | Critical Comments |
|---|--|
| 560mL - 1.6L | Apply to actively growing young plants. Before sowing: Observe plant back periods given in the table on this leaflet. * Warning: Treated plants may become toxic to stock. |
| 1.1L/ha plus 280-400mL/ha dicamba (500g/L) | Apply to actively growing plants in Autumn. Do not sow pasture seed for at least 30 days after application. |
| | PRECAUTION. An increased quantity of poisonous plants may be eaten by stock using Spray-Graze eg. Caltrop, Capeweed, Paterson's Curse, Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's Curse, preferably graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. Do not graze horses or pigs on Paterson's Curse. |
| 560mL | Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing, then return to normal stocking levels. Use high stocking rates in following Spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control. |

DIRECTIONS FOR USE continued

2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS cont.

| Situation | Weeds Controlled | State |
|---|--|---------------|
| Pastures – Spray Graze Techniques (cont.) | Amsinckia, Docks (seedling only), Capeweed, Doublegee, Mustard, Wild Radish, Wild Turnip, Paterson's Curse, Annual Thistles | WA only |
| | Spear Thistle, Saffron Thistle | |
| | Melons | |
| | Docks | Vic only |
| | Calltrop, Capeweed, Charlock, Mustards, Paterson's Curse, Shepherd's Purse, Saffron, Slender, Spear or Variegated Thistles*, Turnip Weed, Wild Radish, Wild Turnip | NSW, ACT only |

| Rate Vol/ha | Critical Comments |
|---------------|---|
| 600-800mL | Apply from 6 weeks after opening rains in Autumn until the end of August. Seven days after spraying stock paddock at 4-5 times normal rate, preferably with sheep. Maintain this level of grazing for 6 weeks or until pasture shows signs of over grazing, then return to normal stocking levels. Use high stocking rates in following Spring to prevent weeds from flowering. Repeat treatments may be required for 2-3 years for complete control. |
| 1.2L | Apply to Saffron Thistle at the end of September when plants are running up to flower. Sub-clovers may be damaged at this rate and use is not recommended for all medic pastures. |
| 1.6L + 1% oil | Heavy stocking on young plants sprayed with 800mL/ha provides effective control. |
| 1.1L | Apply in September only and follow other recommendations above. |
| 280mL-1.1L | Spray actively growing 6-8 week old weeds. Introduce stock 7-10 days after spraying, preferably sheep (cattle are less effective). Stocking rate should be at least 5 times heavier than normal until weeds have been reduced, but before survival of desirable pasture species is threatened. Lucerne and Medics may be damaged and should be grazed short before spraying. Other legumes may be affected. |

DIRECTIONS FOR USE continued**2. PASTURES, NON-AGRICULTURAL, RIGHTS OF WAY, INDUSTRIAL, LAWNS cont.**

| Situation | Weeds Controlled | State |
|-----------------------|------------------|---------------|
| Lawns, Playing fields | Refer Weed Table | Qld, NSW only |
| | | WA only |

| Rate Vol/ha | Critical Comments |
|--|--|
| 1.5-3.0mL/1L water or 1.6-3.2L/ha | Wet foliage thoroughly. DO NOT mow lawn for 1 week before and at least 1 week after application. |
| 40mL/10-15L water/100m ² | DO NOT use on Buffalo grass (WA only) |

3. SPOT SPRAYING

| Situation | Weeds Controlled | State |
|----------------------|---------------------|------------|
| High Volume Spraying | Refer to Weed Table | All States |
| Knapsack Application | Refer to Weed Table | All States |

| Mixing Rates - Comments |
|--|
| Add 1/10th of rate on Weed Table to 150L of water. Each 150 litres of mix will cover 1000m ² (1/10th ha). eg. If rate in Weed Table is 1.4L, use 140mL/150L water. |
| Add 1/100th of rate on Weed Table to 10 litres of water. Each 10 litres of mix will cover 100m ² (1/100th ha). eg. If rate in Weed Table is 1.4L, use 14mL/10L water. |

DIRECTIONS FOR USE continued

| MAXIMUM TOLERANCE FOR USE IN WHEAT, BARLEY, OATS AND TRITICALE | | | |
|--|---------|----------|------------------------|
| Crop | Qld | NSW/ACT | Vic |
| | | | Early Tillering |
| Cereal Rye | - | - | - |
| Wheat | 1.8L/ha | 1.7L/ha | 225mL/ha |
| Barley | 1.4L/ha | 1.4L/ha | 225mL/ha |
| Oats | - | 800mL/ha | 225mL/ha |
| Triticale | - | 1.4L/ha | 225mL/ha |
| Undersown Clovers | - | - | 225mL/ha |
| Undersown Medics | - | - | 225mL/ha |
| Undersown Lucerne | - | - | 225mL/ha |

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

WITHHOLDING PERIOD: PASTURE, CEREAL CROPS - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

| INCLUDING TOLERANCE FOR UNDERSOWN LEGUMES. | | | |
|--|----------|----------------------------------|----------------------------------|
| Vic | SA | WA | Tas |
| Tillered Boot Stage | | Tillered to Boot (Z15-35) | Tillered to Boot (Z15-35) |
| - | 1.4L/ha | - | - |
| 1.4L/ha | 1.7L/ha | 1.7L/ha | 1.7L/ha |
| 1.4L/ha | 1.4L/ha | 1.4L/ha | 1.4L/ha |
| 800mL/ha | 900mL/ha | 1.3L/ha | - |
| - | 1.4L/ha | 1.7L/ha | 800mL/ha |
| - | - | 680mL/ha | 560mL/ha |
| - | - | Nil | 560mL/ha |
| - | - | Nil | - |

HARVEST WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15 APRIL TO 15 SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF PESTICIDES.

DIRECTIONS FOR USE continued**WEED TABLE**

NOTE: Where weeds are to be sprayed in a CROP or PASTURE use only the rate given for the particular crop or situation indicated under the Directions for Use table. In most cases this will give control, however some hard to kill weeds or those in advanced stages of growth may only be suppressed. The rates listed in the Weed Table below are for use where weeds only are present and no crop or pasture is involved. Use at these rates in a crop or pasture other than for spot spraying may cause damage. This product should only be used in those States where a rate or range of rates is indicated for the particular weeds listed.

| Weeds | Application Rate per Hectare | | | | |
|-----------------------|------------------------------|------------|----------|-------|------|
| | Crop | | | | |
| | Vic | NSW, ACT | SA | Qld | TAS |
| Amaranthus spp. | - | 560mL-1.1L | - | 900mL | - |
| Amsinckia | - | - | - | - | 1.1L |
| Apple of Peru | - | 560mL-1.1L | - | 900mL | 1.1L |
| Bathurst Burr | - | 800mL-1.1L | 1.7-2.2L | 900mL | - |
| Bellvine | - | 1.8L | - | 1.8L | - |
| Billygoat Weed | - | 3.4L | - | 3.4L | - |
| Bindweed | - | - | - | - | - |
| Blackberry Nightshade | - | 560mL-1.1L | - | 900mL | - |
| Blackeyed Susan | - | 1.8L | - | 1.8L | - |
| Blue Snakeweed | - | 1.8L | - | 1.8L | - |
| California Burr | - | 800mL-1.1L | - | 900mL | - |
| Cape Tulip | - | - | - | - | - |

| Application Rate per Hectare | | Critical Comments |
|------------------------------|------------------------|--|
| Crop | Pastures | |
| WA | NSW, SA, Qld, Tas only | |
| - | - | Spray young plants. |
| - | - | - |
| - | - | Spray young plants. Susceptible when young. |
| - | 800mL-1.1L not SA | Spray seedlings only. |
| - | - | Spray before seeding. Advanced stages susceptible. |
| - | - | Spray at young stages. |
| 1.1L | - | - |
| - | - | - |
| - | - | Apply at pre-flowering, preferably young stages. |
| - | - | Spray seedlings at young stages only. |
| - | 800mL-1.1L not SA | Spray seedlings only. |
| 640mL-1.3L | - | Low rate for cormils only* |

DIRECTIONS FOR USE continued

WEED TABLE continued

| Weeds | Application Rate per Hectare | | | | |
|---------------------------|------------------------------|------------|-------|-------|------|
| | Crop | | | | |
| | Vic | NSW, ACT | SA | Qld | Tas |
| Capeweed | 1.4L | - | 1.7L | - | 1.4L |
| Caltrop | - | 800mL-1.7L | - | 900mL | - |
| Castor Oil Plant | - | 3.4L | - | 3.4L | - |
| Charlock | 560mL-800mL | 560mL-1.1L | 560mL | - | 1.4L |
| Clover | - | 1.2L | - | - | - |
| Cobbler's Pegs | - | 1.8L | - | 1.8L | - |
| Common Ice Plant | - | - | 1.1L | - | - |
| Common Sida | - | 1.8L | - | 1.8L | - |
| Common Sowthistle | - | 1.8L | - | 1.8L | 1.4L |
| Docks | 1.4L | - | 1.4L | 1.4L | 1.4L |
| Doveweed | - | - | - | - | - |
| Fat Hen | - | 560mL-1.7L | - | 900mL | 1.4L |
| Flannel Weed | - | 1.8L | - | 1.8L | - |
| Flat Weed | - | - | - | - | - |
| Fumitory - red | - | - | 1.7L | - | - |
| Fumitory - white | 800mL | - | 560mL | - | - |
| Heliotrope | - | - | - | - | - |
| Hexham Scent or Melilotus | 1.4L | - | 1.1L | 1.4L | - |
| Hoary Cress | 900mL-1.4L | 1.1-1.7L | 1.4L | 1.4L | - |

| Application Rate per Hectare | | Critical Comments |
|------------------------------|------------------------|---|
| Crop | Pasture | |
| WA | NSW, SA, Qld, Tas only | |
| 1.1L | 1.7-2.8L | Spray seedlings to rosette stage. Moderately susceptible. Spray at young stage. Spray at rosette stage. |
| 1.1L | - | |
| - | - | |
| - | 800mL-1.1L | |
| - | - | Apply at pre-flowering, preferably young stages. |
| - | - | |
| - | - | |
| - | - | Spray seedling or young stages only. Apply at pre-flowering, preferably young stages. |
| - | - | |
| - | - | |
| 1.1L | 3.2L SA only | Spray at multiple leaf stage. -effective only on seedlings. |
| 1.1L | - | |
| - | - | Spray pre-flowering. Spray seedling or young stages only. |
| - | - | |
| 1.1L | - | Spray at multiple leaf stage. |
| - | - | |
| - | - | |
| 1.1L | - | |
| - | 1.1-1.7L | Spray multiple leaf stage before seeding. Spray rosettes and pre-flowering. |
| - | 1.4-1.7L | |

DIRECTIONS FOR USE continued

WEED TABLE continued

| Weeds | Application Rate per Hectare | | | | |
|-------------------------------|------------------------------|------------|------------|----------|------|
| | Crop | | | | |
| | Vic | NSW, ACT | SA | Qld | Tas |
| Hogweed / Wireweed | 1.4L | - | - | 1.4L | - |
| Horehound | - | - | 1.4L | - | - |
| Indian Hedge Mustard | - | - | - | - | 1.4L |
| Khaki Weed | - | - | - | - | - |
| Knobweed | - | - | - | 1.8-3.4L | - |
| Lincoln Weed | - | - | 1.7L | - | - |
| London Rocket | - | - | - | - | - |
| Lupins | - | 800mL-1.7L | - | - | - |
| Melons - Camel, Paddy | - | 560mL-1.1L | - | - | - |
| Mexican Poppy | - | - | - | 1.4L | - |
| Mintweed | - | 1.1L | - | 900mL | - |
| Morning Glory | - | 1.8L | - | 1.8L | - |
| Mustards | 225-560mL | 560mL-1.1L | 560mL-1.4L | 900mL | - |
| Needle Burr | - | 1.8L | - | 1.8L | - |
| New Zealand Spinach | - | 1.1-1.7L | - | - | - |
| Noogoora Burr | - | 800mL-1.1L | - | 900mL | - |
| Paterson's Curse | - | 1.1-1.7L | - | 1.4L | - |
| Pinkburr (Pink Flowered Burr) | - | 1.8L | - | 1.8L | - |

| Application Rate per Hectare | | Critical Comments |
|------------------------------|------------------------|---|
| Crop | Pasture | |
| WA | NSW, SA, Qld, Tas only | |
| - | - | Spray at multiple leaf stage (Vic). Spray at seedling and young plant stage (Qld). Spray seedlings. |
| - | 2.2-3.2L SA only | |
| 1.1L | - | |
| - | 1.1-2.2L SA only | Spray seedlings only. Lower rate for seedlings; higher rate for later stages. Spray early rosettes. |
| - | - | |
| 1.1L | - | |
| 1.1L | - | |
| - | - | |
| - | - | Spray seedlings – plants become more resistant with age. Spray seedlings – resistant in later stages. Spray at seedling to flowering stage. Spray at 2-4 leaf up to rosette stage. |
| - | - | |
| 800mL | 560mL-1.1L | |
| - | - | Apply at pre-flowering, preferably young stages. |
| - | - | |
| - | 800mL-1.1L not SA | Spray seedlings only. Spray rosettes or before plants have 10 leaves. Later stages harder to kill. |
| 1.3L | 1.7-2.2L | |
| - | - | Spray seedling or young stages only. |

DIRECTIONS FOR USE continued

WEED TABLE continued

| Weeds | Application Rate per Hectare | | | | |
|---------------------------------------|------------------------------|------------|------|-------|------|
| | Crop | | | | |
| | Vic | NSW, ACT | SA | Qld | Tas |
| Potato Weed | - | 560mL-1.1L | - | 900mL | - |
| Purpletop | - | 3.4L | - | 3.4L | - |
| Radish | - | - | - | - | - |
| Ragwort | - | - | - | - | 3.8L |
| Rapeseed | - | 800mL-1.7L | - | - | - |
| Rapistrum | - | - | - | - | - |
| Rough Poppy | - | 1.1L | - | - | - |
| Safflower | - | 560mL-1.1L | - | - | - |
| Shepherds Purse | - | 1.1-1.7L | - | - | 1.4L |
| Siratro (Purple Bean) | - | 1.8L | - | 1.8L | - |
| Skeleton Weed | 1.4L | 1.1-1.7L | 1.4L | - | - |
| Sorrel | 1.4L | 1.7L | 1.4L | - | - |
| Speedwell - Ivy leaf | - | - | 1.1L | - | - |
| Spinyhead Sida | - | 1.8L | - | 1.8L | - |
| Starburr | - | 1.8L | - | 1.8L | - |
| Spiny Emex | - | - | - | 1.4L | - |
| Star of Bethlehem (Cupid's Flower) | - | - | - | 1.8L | - |
| Stinkwort | - | 800mL-1.4L | - | - | - |
| Storksbil/ Erodium | - | - | - | - | 1.4L |
| Sunflower (seedlings) | 1.4L | 560mL-1.4L | - | 900mL | - |

| Application Rate per Hectare | | Critical Comments |
|------------------------------|------------------------|---|
| Crop | Pasture | |
| WA | NSW, SA, Qld, Tas only | |
| - | - | Spray at young stage. |
| - | - | |
| 1.1L | - | |
| 1.1L | - | |
| 1.1L | - | |
| - | - | Spray up to early rosette stage (Tas only). |
| - | - | |
| - | - | |
| - | - | |
| - | - | |
| - | 800mL-1.1L | |
| - | - | |
| - | - | |
| - | - | |
| - | - | |
| - | - | Spray young rosettes. Spray seedling or young stages only. Spray rosettes before aerial growth commences. Only moderately susceptible. |
| - | - | |
| - | - | |
| - | - | |
| - | - | Spray seedling or young stages only Spray before seeding, advanced stages susceptible. Only young plants are susceptible. Spray before seeding, advanced stages susceptible. |
| - | - | |
| - | - | |
| - | 1.6-3.2L | Spray seedlings to young rosettes. |
| - | - | |

DIRECTIONS FOR USE continued

WEED TABLE continued

| Weeds | Application Rate per Hectare | | | | |
|------------------------------|------------------------------|------------|-------|-------|-------|
| | Crop | | | | |
| | Vic | NSW, ACT | SA | Qld | Tas |
| Thistles: | | | | | |
| - Annual | - | - | - | - | - |
| - Californian | - | - | - | - | 2.7L |
| - Saffron | 1.1L | 560mL-1.7L | 1.4L | 1.4L | 950mL |
| - Slender / Shore | - | 800mL-1.7L | - | - | 1.4L |
| - Soldier | 1.4L | - | - | - | - |
| - Spear | 560mL | - | - | - | 1.4L |
| - Star | - | - | - | - | - |
| - Variegated | - | 560mL-1.7L | - | 900mL | 1.4L |
| Thornapple | - | 800mL-1.1L | - | - | - |
| Trida (Tridax Daisy) | - | 1.8L | - | 1.8L | - |
| Turnip Weed/Rapistrum | - | 560mL-1.1L | - | 560mL | - |
| Vetches/Tares | 1.4L | - | 1.1L | - | - |
| Wards Weed | - | - | 1.1L | - | - |
| Wild Cabbage | 1.4L | - | - | - | - |
| Wild Poppy | 560mL | - | - | - | - |
| Wild Radish | 1.4L | 1.4-1.7L | 1.4L | 900mL | 1.4L |
| Wild Turnip | 225-560mL | 560mL-1.1L | 320mL | - | 1.4L |

| Application Rate per Hectare | | Critical Comments |
|------------------------------|------------------------|--|
| Crop | Pasture | |
| WA | NSW, SA, Qld, Tas only | |
| 1.1L | - | Repeated applications may be necessary. (NSW, ACT, Tas only) Low rate only sufficient to control weeds in crops at rosette stage when sprayed early. Suppression only. Spray young rosette. Spray young rosettes. Use higher rate as flower stalk appears. Spray at rosette stage. Spray seedlings only. Spray seedling or young stages only. Spray at multiple leaf stage. Spray multiple leaves. Spray rosettes. Spray up to young rosette stage. Spray 2-4 leaf up to rosette stage. |
| - | 3.2-3.8L | |
| 1.1L | 1.1-1.7L | |
| - | 1.1L | |
| - | 1.1-1.6L not NSW, Tas | |
| - | 1.1-1.6L | |
| - | 1.6-3.2L SA only | |
| - | 1.1-1.7L | |
| - | 1.6-2.4L not SA | |
| 800mL | 560mL-1.1L | |
| - | - | |
| - | - | |
| - | - | |
| - | 1.1-1.7L | |
| 800mL | 800mL-1.1L | |
| 640mL | 560mL-1.1L | |

DIRECTIONS FOR USE continued

Plant Back Days for Rygel Amine 625 Selective Herbicide

| Crop | Rates | | |
|----------------|-------------------|--------------------|-----------------|
| | Up to 560mL/ha | 560ml - 1.4L/ha | 1.4- 1.7L/ha |
| Balansa Clover | 7 | 7 | 10 |
| Barley % | 1 | 1 | 3 |
| Chickpeas # | 7 | 14 | 21 |
| Cotton | 10 | 14 | 21 |
| Faba Beans | 7 | 7 | 10 |
| Field Peas | 7 | 14 | 14 |
| Lentils | 7 | 7 | 10 |
| Linseed | 7 | 7 | 14 |
| Lucerne | 7 | 7 | 10 |
| Lupins + | 7 | 14 | 21 |
| Medics | 7 | 7 | 10 |
| Narbon Beans | 7 | 7 | 10 |
| Navy Bean | 10 | 10 | 14 |
| Oats | 3 | 3 | 7 |

Plant Back Days for Rygel Amine 625 Selective Herbicide

| Crop | Rates | | |
|---------------------|-------------------|--------------------|-----------------|
| | Up to 560mL/ha | 560ml - 1.4L/ha | 1.4- 1.7L/ha |
| Perennial Ryegrass | 7 | 7 | 10 |
| Persian Clover | 7 | 7 | 10 |
| Phalaris | 7 | 7 | 10 |
| Canola / Rapeseed # | 14 | 21 | 28 |
| Rice | 7 | 7 | 14 |
| Safflower # | 7 | 14 | 21 |
| Sorghum @ | 3 | 7 | 10 |
| Soybean | 14 | 14 | 21 |
| Sub-Clover | 7 | 7 | 10 |
| Sunflower @ | 7 | 10 | 14 |
| Triticale % | 1 | 3 | 7 |
| Vetch | 7 | 7 | 10 |
| Wheat % | 1 | 3 | 7 |
| White Clover | 7 | 7 | 10 |

DIRECTIONS FOR USE continued

Plant Back Days for Rygel Amine 625 Selective Herbicide continued

IMPORTANT:

WHEN APPLIED TO DRY SOILS AT LEAST 15mm ($\frac{1}{2}$ inch) OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.

NOTES:

- % In Queensland, no rainfall is required to fall prior to commencement of Plant Back Period for Wheat, Barley and Triticale.
- # In Queensland, planting of Canola / Rapeseed, Chickpeas and Safflower must be delayed for at least 14 days following rainfall of at least 15mm.
- @ In Central Queensland and when using 1L/ha or less of Amine 625, the plant back period for Sorghum and Sunflower is 1 day irrespective of rainfall.
- + In WA the plant back period for Lupins at all rates is 28 days.

GENERAL INSTRUCTIONS

Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions.

APPLICATION INFORMATION

BOOM SPRAYING - Use 30-120L/ha of water
AERIAL SPRAYING - Use 10-90L/ha of water.

EQUIPMENT MAINTENANCE AND USAGE

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed out with hot soapy water or 1% solution of ammonia, followed by several clear water rinses.

COMPATIBILITY

This product can be tank mixed with the herbicides: dicamba, diuron, chlorsulfuron, paraquat, 22DPA, atrazine, paraquat/diquat and picloram, and the fungicide propiconazole.

RESISTANT WEEDS WARNING

Rygel Amine 625 Selective Herbicide is a member of the Phenoxys group of herbicides. Rygel Amine 625 Selective Herbicide has the Group I mode of action. For weed resistance management Rygel Amine 625 Selective Herbicide is a Group I Herbicide. Some naturally occurring weed biotypes resistant to Rygel Amine 625 Selective Herbicide and other Group 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 Rygel Amine 625 Selective Herbicide or other Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Rygel Pty Ltd accepts no liability for any losses that may result from the failure of Rygel Amine 625 Selective Herbicide to control resistant weeds



GENERAL INSTRUCTIONS continued

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT spray in high winds. DO NOT spray cereals if lucerne is present. DO NOT spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result.

Drift Warning: DO NOT apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands such as cotton, tobacco, vines, fruit trees, vegetables, ornamentals, oil seed and legume crops and pasture and other susceptible plants and trees (eg. Kurrajongs and Belahs). 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 nozzles.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied at any time as recommended in the Directions for Use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

The method of disposal of the container depends on the container type. Read the 'Storage and Disposal' instructions on the label that is attached to the container.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray, wear face shield. If product on skin, immediately wash area with soap and 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 and contaminated clothing.

FIRST AID

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

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE

The use of Rygel Amine 625 Selective 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

