# **CAUTION**

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



ACTIVE CONSTITUENT: 480 g/L TRIFLURALIN SOLVENT: 474 g/L LIQUID HYDROCARBON



A pre-emergence herbicide for the control of annual grasses and certain broadleaf weeds in certain horticultural and agricultural crops as listed in the Directions for Use table.

# IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

# Australis Crop Protection Pty Ltd

ABN 94 150 711 185

Shop 4, 30 Heber Street, Moree NSW 2400

Telephone: 0417 329 133 • Facsimile: 07 3337 9882

www.austcrop.com.au

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|           |      |      |

BATCH NO:

DATE OF MANUFACTURE:



# **GENERAL INSTRUCTIONS**

THIS PRODUCT MUST BE INCORPORATED INTO THE SOIL WITHIN 4 HOURS OF APPLICATION.

# STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store near food, feedstuffs, fertilisers or seed.

For Non-Refillable containers: 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 of designed collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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: Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs Australis Crop Protection Pty Ltd should be advised immediately. 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 the eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container and using the prepared spray wear cotton overalls, buttoned to the neck and wrist and a washable hat and elbow length PVC gloves and face shield or goggles. 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. Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting. Give a glass of water.

# MATERIAL SAFETY DATA SHEET

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

**CONDITIONS OF SALE:** The use of ACP Trifluralin 480 Selective Herbicide being beyond the control of the manufacturer no warranty expressed or implied is given by Australis Crop Protection 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 Australis Crop Protection Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

APVMA Approval No.: 66773/54384

# IN A TRANSPORT EMERGENCY DIAL 000

**POLICE OR FIRE BRIGADE** 





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# DIRECTIONS FOR USE

# 1. FIELD CROPS

| SITUATION & CROP  | ON & CROP   WEEDS   STATE   RATE L/HA – SOIL TYPE   |                     | /PE   | CRITICAL COMMENTS   |                 |  |
|---|---|---------------------|---|---------------------|-----------------|--|
|   |   | <u> </u>            | LIGHT   | MEDIUM              | HEAVY           |  |
| Chickpeas   | Annual Ryegrass, Paradoxa<br>Grass (Canary Grass), Wireweed<br>(Hogweed) Black Pigweed<br>Suppression of Climbing Buckwheat<br>(Black Bindweed), Wild Oats  | Qld<br>only         | 1.25-1.7 L/ha                                   | 1.25-1.7 L/ha       | 1.25-1.7 L/ha   | Use 1.25 L/ha when applying immediately prior to sowing. Use 1.7 L/ha when applying to dry soil before the planting rain.  |
|   | Annual Ryegrass, Wireweed (Hogweed), Deadnettles  | Vic only            | 800 mL  | /ha plus 1 L/ha Ava | ndex BW         | Incorporate as per recommendations for wheat, barley and triticale.  |
|   | Red & White Fumitory, Rough Poppy,<br>Wireweed, Annual Ryegrass, Barley<br>Grass, Canary Grass, Sand Fescue<br>Suppression of Deadnettle,<br>Speedwell, Three Cornered Jack,<br>Yellow Burrweed, Brome Grass,<br>Cereal Oats and surface Wild Oats                          | SA only             | 1.25 L/ha                                       | 1.25 L/ha           | 1.25 L/ha       | Apply to level seedbed 0 to 4 weeks before sowing. Incorporate as per Incorporation Table 6.   |
|   | Amaranthus, Annual Ryegrass,<br>Barnyard Grass, Caltrop, Crab Grass,<br>Paradoxa Grass (Canary Grass),<br>Pigweed, Wild Oats, Winter Grass,<br>Wireweed<br>Suppression of Fumitory  | NSW<br>only         | 1.2-1.5 L/ha                                    | 1.5 L/ha            | 1.7 L/ha        | Apply from 4 weeks up to just prior to sowing.<br>Refer Incorporation Table 3, 4 or 5 for suitable<br>method of incorporation.   |
| Adzuki Beans,<br>Cowpeas, Lablab,<br>Mung Beans, Borlotti<br>Beans, Red Kidney<br>Beans | Amaranthus, Annual Ryegrass,<br>Barnyard Grass, Caltrop, Crab Grass,<br>Paradoxa Grass (Canary Grass),<br>Pigweed, Wild Oats, Winter Grass,<br>Wireweed<br>Suppression of Fumitory  | Qld,<br>NSW<br>only | 1.2-1.5 L/ha                                    | 1.5 L/ha            | 1.25-1.7 L/ha   | Apply from 4 weeks up to just prior to sowing.<br>Refer Incorporation Table 3, 4 or 5 for suitable<br>method of incorporation.   |
| Faba Beans  | Annual Ryegrass, Barley Grass,<br>Capeweed, Corn Gromwell<br>(Sheepweed), Fumitories, Geranium,<br>Ivy Leaf, Speedwell, Mustards,<br>Turnips, Wireweed<br>Suppression of Brome Grass,<br>Soursob and Wild Oats  | SA only             | 800 mL/ha plus 1-1.5 L/ha Simazine 500 Flowable |                     | ne 500 Flowable | Apply to bare moist soil and grate to a depth of 5 cm just prior to sowing. Incorporation should be made within 4 hours of application. Application should not be made to ridged or excessively cloddy soil. For full reliable results, significant rainfall (20 or 30 mm) is necessary within 2-3 weeks of application. |
| Pigeon Peas   | Amaranthus, Barnyard Grass,<br>Canary Grass, Crowsfoot Grass,<br>Pigweed, Spiny Burrgrass, Summer<br>Grass, Wild Oats, Wireweed<br>(hogweed)<br>Suppression of Yellow Vine (Caltrop),<br>From seed only: Columbus Grass,<br>Guinea Grass, Johnson Grass,<br>Liverseed Grass | NSW<br>only         | 1.2 L/ha  | 1.5 L/ha            | 1.7 L/ha        | Apply between 4 weeks and just before sowing. Refer to Incorporation Table 3, 4 or 6 for suitable method of incorporation.   |

| WEEDS   | STATE   | RA  | TE L/HA – SOIL T  | CRITICAL COMMENTS  |  |  |
|---|---|---|---|--|--|--|
|   |   | LIGHT   | MEDIUM  | HEAVY  |  |  |
| Annual Phalaris, Annual Ryegrass,<br>Wild Oats, Wireweed  | NSW<br>only   | 800 mL/ha   | 1.2 L/ha  | 1.2 L/ha   | Apply 1 to 4 weeks before sowing.  |  |
| Fumitory – Red and White, Rough<br>Poppy, Wireweed, Barley Grass,<br>Canary Grass, Annual Ryegrass,<br>Sand Fescue  | SA only   | 1.25 L/ha   | 1.25 L/ha   | 1.25 L/ha  | Apply 1 to 4 weeks before sowing.  |  |
| Annual Ryegrass, Deadnettle,<br>Wireweed, soil surface Wild Oats,<br>suppression of Brome Grass, Rough<br>Poppy, Speedwell, Three Cornered<br>Jack, Yellow Burr Weed, Sheepweed   | SA only   | 1.7 L/ha  | 1.7 L/ha  | 1.7 L/ha   | Apply to level seedbed 0 to 4 weeks before sowing. Refer to incorporation Table 6 for method of incorporation.   |  |
| Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/ Yellow Vine), Crab grass, Mossman Player Grass (Innocent Weed), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only) From seed only: Columbus – Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa) | Qld,<br>NSW,<br>WA<br>only  | 1.2 L/ha  | 1.7 L/ha  | 2.3 L/ha   | Spray between 6 weeks and just before sowing takes place. Refer incorporation Table 1 & 2 for method of incorporation.   |  |
|   | Redshank (Prince of Wales Feather),<br>Summer Grass, Wild Oats, Winter<br>Grass, Wireweed (Hogweed), Black  | NSW,<br>Vic,<br>Tas,<br>SA, WA  | 1.2 L/ha  | 1.2 L/ha   | 1.2 L/ha   | Autumn Sowing - Apply from 4 weeks to 7 days before sowing takes place. Refer Incorporation Table 6 for method of incorporation. |
|   | ea <sup>only</sup> 1.2 L/ha 1.7 L/ha 1.7 l  | 1.7 L/ha  | Spring Sowing - Apply between 4 weeks and 3 days before sowing takes place.  Refer Incorporation Table 6 for method of incorporation.   |  |  |  |
|   |   |   |   |  | In both cases seedling disease, cold weather, excessive moisture, high salt concentrations and drought could weaken crop seedlings and damage could occur from the use of this product. Temporary crop suppression could result.   |  |
|   | NSW,<br>Vic,<br>SA, WA<br>only  | 1.2 L/ha  | 1.5 L/ha  | 1.7 L/ha   | Spray 2-4 weeks before sowing. Sowing depth should be 1.3 to 2.5 cm. Deeper sowing may result in some stand reduction. Refer incorporation Table 6 for method of incorporation.  |  |
|   | Qld, WA<br>only   |   |   |  | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.  |  |
|   | All<br>States   |   |   |  | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 6 for method of incorporation.   |  |
|   | Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed  Fumitory – Red and White, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue  Annual Ryegrass, Deadnettle, Wireweed, soil surface Wild Oats, suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed  Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/Yellow Vine), Crab grass, Mossman Player Grass (Innocent Weed), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only)  From seed only: Columbus – Guinea Grass, Johnson Grass, Liverseed | Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed Fumitory — Red and White, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue  Annual Ryegrass, Deadnettle, Wireweed, soil surface Wild Oats, suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed  Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/Yellow Vine), Crab grass, Mossman Player Grass (Innocent Weed), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only) From seed only: Columbus — Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)  NSW, Vic, Tas, SA, WA only  NSW, Vic, SA, WA only  NSW, Vic, SA, WA only  NSW, Vic, SA, WA only | Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed Fumitory — Red and White, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue Annual Ryegrass, Deadnettle, Wireweed, soil surface Wild Oats, suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/Yellow Vine), Crab grass, Mossman Player Grass (Innocent Weed), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only) From seed only: Columbus — Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)  NSW, Vic, Tas, SA, WA only  NSW, Vic, SA, WA only  NSW, Vic, SA, WA only  All | Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed Fumitory – Red and White, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue Annual Ryegrass, Deadnettle, Wireweed, soil surface Wild Oats, suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/ Yellow Vine), Crab grass, Mossman Player Grass (Innocent Weed), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wireweed (Hogweed), Black Pigweed (Qld only) From seed only: Columbus – Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)  NSW, Vic, Tas, SA, WA only  NSW, Vic, SA, WA only  NSW, Vic, SA, WA only  NSW, Vic, SA, WA only  All | Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed Furnitory – Red and White, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue Annual Ryegrass, Deadnettle, Wireweed, soil surface Wild Oats, suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead/Yellow Vine), Crab grass, Mossman Player Grass (Innocent Weed), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Idl only) From seed only: Columbus – Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)  NSW, Vic, SA, WA only  NSW, Vic, SA, WA only  All |  |

| SITUATION & CROP                         | WEEDS  | STATE  | RA   | TE L/HA – SOIL T     | CRITICAL COMMENTS   |  |  |
|--|--|--|--|----------------------|---|--|--|
|  |  |  | LIGHT  | MEDIUM               | HEAVY   |  |  |
| Sugarcane<br>Early season<br>Late season | Annual Ryegrass, Barnyard Grass,<br>Canary Grass, Caltrop (Bullhead/<br>Yellow Vine), Crab grass, Mossman<br>Player Grass (Innocent Weed),<br>Pigweed, Redroot (Amaranthus), | Qld,<br>NSW<br>only  | 3.0 L/ha<br>2.3 L/ha   | 3.0 L/ha<br>2.3 L/ha | 3.0 L/ha<br>2.3 L/ha  | Apply to plant cane after emergence to "out of hand" stage. Apply to ratoon cane immediately after harvest. Refer Incorporation Table 3, 7 or 10 for suitable method of incorporation.   |  |
| Sunflowers                               | Summer Grass, Wild Oats, Winter<br>Grass, Wireweed (Hogweed), Black  | Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black | All<br>States  | 1.2 L/ha             | 1.5 L/ha  | 1.7 L/ha   | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for method of incorporation. |
| Lupins                                   | - Pigweed (Qld only)<br>From seed only: Columbus - Guinea<br>Grass, Johnson Grass, Liverseed<br>Grass (Urochloa)   |  |  |                      |   | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 6 for method of incorporation.   |  |
|  | Annual Grasses and Broadleaf<br>Weeds  | Qld,<br>NSW,<br>Vic only   | 800 mL/ha plus 3 L/ha of Simazine 500 Flowable  1.25 L/ha plus 1-1.5 L/ha of Simazine 500 Flowable  1.25 L/ha plus 2 L/ha of Simazine 500 Flowable |                      |   | Use a low volume boom applying 50-100 litres spray mixture per hectare. Apply to bare moist soil and incorporate to a depth of 5 cm just prior to sowing the crop. Incorporate within 4 hours of application.  DO NOT spray to a ridged soil.  |  |
|  | Capeweed, Turnip, Radish,<br>Doublegee and Suppression of<br>Annual Ryegrass and Wild Oats   | WA<br>only   |  |                      |   | Rate for Yellow Sands.   |  |
|  | As above plus suppression of Brome Grass   | WA<br>only   |  |                      |   | Rate for all other soil types. Apply to bare moist soil and incorporate to a depth of 5 cm just prior to sowing. Incorporation should be made within 4 hours of application. Application should not be made to ridged or excessively cloddy soil. For Simazine to be effective sufficient rainfall (20 to 30 mm) to wet the soil through the weed root zone is necessary within 2-3 weeks of application. Results with Simazine can be variable if seasonal conditions are dry prior to sowing and Lupins are sown into dry or low moisture seed beds. |  |
|  | Capeweed, Doublegee, Wild Radish<br>Wild Turnip plus suppression of<br>Annual Ryegrass, Wild Oats and<br>Brome Grass   | WA<br>only   | 1.25 L/ha plus 2 L/ha of Diuron 500 Flowable   |                      | DO NOT use on white or grey sands as severe crop damage may result. Use tank mix of Diuron & Trifluralin where Annual Ryegrass is present. Apply at pre-sowing stage. |  |  |

| SITUATION & CROP   | WEEDS  | STATE                         | R.A           | TE L/HA – SOIL TY                          | CRITICAL COMMENTS |   |
|--|--|-------------------------------|---------------|--|-------------------|---|
|  |  |                               | LIGHT         | MEDIUM                                     | HEAVY             |   |
| Lupins<br>– continued  | Red & White Fumitory, Rough Poppy,<br>Wireweed, Barley Grass, Canary<br>Grass, Annual Ryegrass, Sand<br>Fescue<br>Suppression of Deadnettle,<br>Speedwell, Three Cornered Jack,<br>Yellow Burr Weed, Brome Grass,<br>Cereal Oats, soil surface Wild Oats | SA only                       | 1.25-1.7 L/ha | 1.25-1.7 L/ha                              | 1.25-1.7 L/ha     | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 6 for method of incorporation.  |
|  | Above weeds plus Capeweed,<br>Common Fumitory, Geranium,<br>Indian Hedge Mustard, Sheepweed,<br>Shepherd Purse, Toadrush, Turnips,<br>suppression of Ice Plant & Soursob   |                               |               | to 1.7 L/ha plus 2 t<br>imazine 500 Flowal |                   | Use a low volume boom applying 50-100 litres spray mixture per hectare. Apply to bare moist soil and incorporate to a depth of 5 cm just prior to sowing the crop. Incorporate within 4 hours of application.  DO NOT apply to ridged soil. |
| Tobacco  | Summer Grass, Crowsfoot Grass,<br>Red Natal Grass, Love Grass,<br>Button Grass, Rhodes Grass,<br>Pigweed   | Qld<br>only                   | 800 mL/ha     | 1.2 L/ha                                   | -                 | Apply to soil 3-4 weeks prior to transplanting. The longer period to be used for applications made during June & July. Incorporate to a depth of 10 cm.   |
|  | Crowsfoot Grass  | NSW<br>only                   | 800 mL/ha     | 1.2 L/ha                                   | 1.2 L/ha          | Apply to light sandy soil 14 to 21 days before transplanting.  DO NOT incorporate to a depth greater that 6 cm. Apply to loam (medium soil) 14 to 21 days before transplanting.  DO NOT incorporate to a depth of greater than 6 cm.        |
| Wheat,<br>Barley & Triticale<br>Pre-Sowing Only<br>Pre-Sowing<br>&<br>Post-sowing<br>(self mulching soils) | Annual Ryegrass, Wireweed (Hogweed), Phalaris spp.   | NSW,<br>Vic, WA<br>only<br>WA | 800 mL/ha     | 800 mL/ha                                  | 800 mL/ha         | Apply 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat.  |
|  | Canary Grass   | only<br>Vic only              |               |  |                   | DO NOT use pre-sowing on self-mulching soils as damage may occur from wheel tracking and poor control of wild oats.  Refer Incorporation Table 6 for method of incorporation.   |
|  | As above except for Fumitory   | Vic only                      |               |  |                   | Pre-sowing: Apply more than 4 weeks before sowing to prevent crop damage.  Post-sowing: Apply within 2 days after sowing to well prepared seedbed. Refer Incorporation Table 6 for suitable method of incorporation.                        |

| SITUATION & CROP       | WEEDS   | STATE       | RA            | TE L/HA – SOIL TY   | CRITICAL COMMENTS |   |
|------------------------|---|-------------|---------------|---------------------|-------------------|---|
|                        |   |             | LIGHT         | MEDIUM              | HEAVY             |   |
| Wheat - continued      | Annual Ryegrass, Paradoxa Grass<br>(Canary Grass), Wild Oats, Wireweed<br>(Hogweed)   | Qld<br>only | 800 mL/ha     | 800 mL/ha           | 800 mL/ha         | On non self mulching soils apply 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat. On self mulching soils as above except apply more than 4 weeks before sowing to prevent crop damage. Refer incorporation Table 6 for method of incorporation. |
| Barley                 |   |             |               |                     |                   | Apply to self mulching and non self mulching soils from 1-4 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat. Refer Incorporation Table 6 for suitable method of incorporation.  |
| Wheat, Triticale, Rye  | Annual Ryegrass, Red & White<br>Fumitory, Phalaris spp, Wireweed,<br>suppression of Deadnettles, Rough<br>Poppy, Yellow Burr Weed | SA only     |               |                     |                   | Apply 14 weeks before sowing. Sowing depth should be at least 5 cm. Use cover harrows behind combine. Ground should be left flat. DO NOT use pre-sowing on self mulching soils as damage may occur from wheel tracking and poor control of wild oats. Refer Incorporation Table 6 for method of incorporation.              |
| Barley                 | As above for SA plus Sand Fescue and suppression of Brome Grass   |             | 1.25 L/ha     | 1.25 L/ha           | 1.25 L/ha         |   |
| Wheat & Triticale only | Annual Phalaris   | NSW<br>only | 800 mL/ha plu | us 20 g/ha 750 g/kg | g Chlorsulfuron   | If possible spray and incorporate into the soil in one operation. If this is not possible incorporation should take place within 4 hours of spraying. Delay may cause inferior weed control.  |

# 2. VEGETABLES, ORCHARDS AND VINEYARDS

| SITUATION & CROP  | WEEDS  | STATE                                  |          | RATE – SOIL TYPI | E        | CRITICAL COMMENTS  |
|---|--|--|----------|------------------|----------|--|
|   |  |  | LIGHT    | MEDIUM           | HEAVY    |  |
| Transplants only<br>Broccoli, Cabbage,<br>Cauliflowers,<br>Tomatoes | Annual Ryegrass, Barnyard Grass,<br>Canary Grass, Caltrop, (Bullhead<br>Yellow Vine), Crab Grass, Mossman<br>River Grass (Innocent Grass)<br>Pigweed, Redroot (Amaranthus)<br>Redshank (Prince of Wales feather),<br>Summer Grass, Wild Oats, Winter<br>Grass, Wireweed (Hogweed)<br>From seed only: Columbus Grass, | All<br>States                          | 1.2 L/ha | 1.7 L/ha         | 2.3 L/ha | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.  |
| Direct Seeded Only<br>Broccoli                                      |  | NSW,<br>Vic,<br>Tas,<br>SA, WA<br>only |          |                  |          |  |
| Brussels Sprouts,<br>Cabbage  | Guinea Grass, Johnson Grass,<br>Liverseed Grass (Urochloa)   | All<br>States                          |          |                  |          |  |
| Cauliflower   |  | Vic only                               |          |                  |          |  |
| Carrots   |  | All<br>States                          |          |                  |          |  |
| Chicory   |  | Vic only                               |          |                  |          |  |
| Green Beans, Navy<br>Beans  |  | All<br>States                          | 1.2 L/ha | 1.5 L/ha         | 1.7 L/ha |  |
| Soybeans  |  | All<br>States                          | 1.2 L/ha | 1.7 L/ha         | 2.3 L/ha | Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.  |
| Orchards and<br>Vineyards   |  | Qld,<br>Vic,<br>Tas,<br>SA, WA<br>only |          |                  |          | Apply to new planting during pre plant cultivation. Apply to established crops in spring after weeds and green manure crop has been ploughed into ground. Refer Incorporation Table 8 or 9 for suitable method of incorporation. |

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

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

## **GENERAL INSTRUCTIONS**

THIS PRODUCT MUST BE INCORPORATED INTO THE SOIL WITHIN 4 HOURS OF APPLICATION.

## INCORPORATION TABLE

- 1. Prior to furrowing out: 2 workings at an angle required using Offset or Tandem disc harrows.
- 2. After furrowing out: 2 workings required using Go-Devil discs or lilliston cultivators set at 10 cm depth.
- 3. Rotary Hoe: 1 working required at 5-7.5 cm depth. Sugar Cane: 7.5-13 cm depth.
- 4. Offset or Tandem Disc Harrows: (preferably with spiked harrows in tandem) 2 workings at an angle required at 7.5-15 cm depth at 6.5-10 km per hour.
- 5. Heavy Diamond or Stump Jump Harrows (weighted 20-30 kg per section) at 10-13 km/h speed. Then cross work with offset or tandem disc harrows set to 7.5-15 cm depth at speed 6.5-10 km per hour.
- 6. Weighted Heavy Diamond or Stump Jump Harrows (weighted with 20-30 kg per section) at 10-13 km per hour. Cross work with combine at 5-7.5 cm depth at speed of 10-13 km/hr.
- 7. Disc Ratoon Cultivator: 2 workings needed with discs and cultivator set at 7.5-13 cm depth.
- 8. Offset or Tandem Disc Harrows: set at 7.5-15 cm depth. A second discing is required working in opposite direction with discs set to throw treated soil into tree or vine row.
- 9. Rotary Hoe: 1 working needed at 5-10 cm depth.
- 10. Offset Discs (Bumpers): 2 workings needed at depth of 7.5-13 cm.

## MIXING

This product is an emulsifiable concentrate which mixes readily with water. Add the recommended amount to the spray tank during filing operation and apply 70-450 L of water/ha (broadcast basis) dependent on soil type. Under hot conditions or where possible spray and incorporate into the soil in one operation. Delay may cause inferior weed control. Use properly calibrated standard low pressure (170-340 kilopascal) boom type sprayer with fan tips.

## CONDITIONS FOR BEST RESULTS

This product must be thoroughly incorporated as recommended. Soil should be well worked and free of weeds at time of application. Product effectiveness may be reduced by inadequate incorporation, high organic matter, excess clods, crop or trash residues, stones or other foreign matter and in areas of unnaturally high weed seed population such as header tracks or livestock rest areas. Trifluralin is volatile and disappears from exposed surfaces. Loss is hastened by high temperatures, winds or warm moist soil.

## WILD OATS

Germinating wild oat seeds lying on soil surface will not be controlled. Therefore, specific wild oat control is only possible with shallow cultivation. Poor control will occur on self mulching soils and all soil types where deep cultivation is practiced.

#### COMPATIBILITY

This product may be mixed in the spray tank with: Herbicides: Avadex\* BW Chlorsulfuron 750g, Nugran\*/Logran\*, Diuron Granules 900 WG, Diuron Flowable, Simazine Flowable, Nuquat\*, Gramoxone\* Sprayseed, Broadstrike\*, Spinnaker\*, Bladex\*, Mepiquat 38g, Tomahawk\* Herbicide Insecticides: Chlorovrifos 500 EC

#### Note:

- Information on compatibility is understood to be correct at the time of publication, however products may vary from time to time, therefore a small scale compatibility test should be carried out before mixing in the spray tank.
- 2. Observe any mixing sequence instructions for tank mix products.

#### **EOUIPMENT MAINTENANCE AND USAGE**

Keep the spray unit for herbicides only if possible, otherwise, spray tanks, pumps, lines and nozzles should be thoroughly rinsed several times with clean water following application. Spraymate Tank & Equipment Cleaner is suitable for this purpose and will also remove Trifluralin stains.

# RESISTANT WEEDS WARNING

ACP Trifluralin 480 Selective Herbicide is a member of the Dinitronilines group of herbicides. ACP Trifluralin 480 Selective Herbicide has the inhibitors or tubulin formation mode of action. For weed resistance management ACP Trifluralin 480 Selective Herbicide is a Group D herbicide. Some naturally occurring weed biotypes resistant to ACP Trifluralin 480 Selective Herbicide and other inhibitors or tubulin formation 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 ACP Trifluralin 480 Selective Herbicide or other inhibitors of tubulin formation herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use Australis Crop Protection Pty Ltd accepts no liability for any losses that may result from the failure of ACP Trifluralin 480 Selective Herbicide to control resistant weeds.

# PROTECTION OF CROPS, NATIVE AND OTHER NON TARGET PLANTS

DO NOT use in high winds. DO NOT exceed rates specified, to avoid crop damage. DO NOT plant sensitive grasses such as oats, sorghum, millets, phalaris spp, ryegrass or wheat for 12 months following the use of this product except where wheat follows wheat or other winter crops.

DO NOT plant oilseed poppies when a detectable residue of Trifluralin is present in the soil.

Levels as low as 0.02ppm may interact with other unfavourable factors (moisture, stress disease etc) to reduce poppy growth and vigour.

DO NOT apply to orchards and vineyards after first flush of growth or when residues can lodge on or in fruit. Reduced germination of wheat and barley may occur due to combination of following circumstances and use of this product:

- Short Coleoptile cultivars
- Use of seed dressings (except Vitavax)
- Shallow or uneven seedling depth.

**Drift Warning:** DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray drift onto nearby susceptible plants adjacent crops, crop lands or pastures.

# PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

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

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store near food, feedstuffs, fertilisers or seed.

For Non-Refillable containers: 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 of designed collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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: Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs Australis Crop Protection Pty Ltd should be advised immediately. 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 the eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container and using the prepared spray wear cotton overalls, buttoned to the neck and wrist and a washable hat and elbow length PVC gloves and face shield or goggles. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each days use, wash gloves, face shield or goggles and contaminated clothing.

## FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre.

Phone Australia 13 11 26. If swallowed, DO NOT induce vomiting, Give a glass of water.

## MATERIAL SAFETY DATA SHEET

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

**CONDITIONS OF SALE:** The use of ACP Trifluralin 480 Selective Herbicide being beyond the control of the manufacturer no warranty expressed or implied is given by Australis Crop Protection 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 Australis Crop Protection Pty Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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