

# DANGEROUS POISON

KEEP OUT OF REACH OF CHILDREN

CAN KILL IF SWALLOWED

DO NOT PUT IN DRINK BOTTLES

KEEP LOCKED UP

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

QA

# Paraquat/Diquat 250 SL

## HERBICIDE

### ACTIVE CONSTITUENTS:

135 g/L PARAQUAT present as PARAQUAT DICHLORIDE

115 g/L DIQUAT present as DIQUAT DIBROMIDE

GROUP **22** HERBICIDE

For control of certain grasses and broadleaf weeds.

APVMA Approval No.: 91135/RV2026

**SL**

Formulation Type  
Soluble Liquid  
Concentrate

**BE PROUDLY  
AUSTRALIAN**

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## DIRECTIONS FOR USE

### RESTRAINTS:

DO NOT remove contents except for immediate use.

DO NOT continue to use if eye irritation or bleeding from the nose occurs.

DO NOT apply by aircraft or misting machines.

DO NOT apply by spraying equipment carried on the back of the user.

DO NOT use open mixing/loading equipment. Closed mixing and loading MUST be used. DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT spray plants which are waterlogged, under stress of any kind or covered with soil or dust.

DO NOT spray plants covered with heavy dew, but rain following spraying will not affect results.

DO NOT irrigate to the point of field runoff for at least 3 days after application.

DO NOT sow or cultivate for 1 hour after spraying.

### For small scale applications up to 6 ha per day:

DO NOT apply using open cab equipment unless using a PF10 respirator.

### For applications greater than 6 ha per day:

DO NOT apply using open cab equipment. Enclosed cab application MUST be used.

### SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at [apvma.gov.au/spraydrift](http://apvma.gov.au/spraydrift)

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

| Buffer zones for boom sprayers |                                     |                                          |                       |                  |                  |                 |
|--------------------------------|-------------------------------------|------------------------------------------|-----------------------|------------------|------------------|-----------------|
| Application rate               | Boom height above the target canopy | Mandatory downwind buffer zones (metres) |                       |                  |                  |                 |
|                                |                                     | Bystander areas                          | Natural aquatic areas | Pollinator areas | Vegetation areas | Livestock areas |
| Up to 1.0 L/ha                 | 0.5 m or lower                      | 10                                       | 40                    | 0                | 0                | 0               |
|                                | 1.0 m or lower                      | 50                                       | 120                   |                  | 20               |                 |
| Up to 800 mL/ha                | 0.5 m or lower                      | 10                                       | 35                    |                  | 0                |                 |
|                                | 1.0 m or lower                      | 40                                       | 100                   |                  | 20               |                 |
| Up to 600 mL/ha                | 0.5 m or lower                      | 5                                        | 30                    |                  | 0                |                 |
|                                | 1.0 m or lower                      | 30                                       | 80                    |                  | 15               |                 |

| SOUTHERN AUSTRALIA – FULL DISTURBANCE                                                                                                                                                                    |                                             |                                |                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|-------------------------------|
| CROP/SITUATION                                                                                                                                                                                           | WEEDS CONTROLLED                            |                                | GROWTH STAGE                  |
|                                                                                                                                                                                                          | Common Name                                 | Botanical Name                 |                               |
| <b>Southern Australia</b><br><b>Direct Drilling</b><br>With full combine Or<br>With cultivation before spraying Or<br>With cultivation after spraying as an aid in the establishment of crops including: | Seedling grasses                            | <i>Lolium rigidum</i>          | 2 to 3 leaf                   |
|                                                                                                                                                                                                          | Annual Ryegrass                             | <i>Hordeum</i> spp.            | 4 leaf to early tiller        |
|                                                                                                                                                                                                          | Barley grass                                | <i>Bromus</i> spp.             |                               |
|                                                                                                                                                                                                          | Brome grass                                 | <i>Avena</i> spp.              |                               |
|                                                                                                                                                                                                          | Volunteer cereals                           |                                |                               |
|                                                                                                                                                                                                          | Wild oats                                   |                                |                               |
|                                                                                                                                                                                                          | Vulpia (silver grass, sand fescue)          | <i>Vulpia</i> spp.             | 2 to 3 leaf                   |
|                                                                                                                                                                                                          |                                             |                                | 4 leaf to early tiller        |
|                                                                                                                                                                                                          |                                             |                                |                               |
| <b>Winter</b><br>Canola, Chickpeas, Cereals (Wheat, Barley, Oats, Rye, Triticale), Field beans, Field peas, Lentils, Linseed (Linola), Lupins, Vetch                                                     | Seedling Brassica weeds                     | <i>Neslia paniculata</i>       | 1 to 5 cm diam                |
|                                                                                                                                                                                                          | Ball mustard                                | <i>Sinapsis arvensis</i>       |                               |
|                                                                                                                                                                                                          | Charlock                                    | <i>Sisymbrium orientale</i>    |                               |
| <b>Spring/Summer</b><br>Fodder Rape, Pigeon peas, Safflower, Sorghum, Soybeans, Sunflower                                                                                                                | Indian hedge mustard                        | <i>Brassica tournefortii</i>   |                               |
|                                                                                                                                                                                                          | Long fruited wild turnip Muskweed           | <i>Myagrum perfoliatum</i>     |                               |
|                                                                                                                                                                                                          | Shepherds purse                             | <i>Capsella bursa-pastoris</i> |                               |
| <b>Pasture</b><br>Clover grass, Lucerne, Medic                                                                                                                                                           | Short fruited wild turnip                   | <i>Rapistrum rugosum</i>       |                               |
|                                                                                                                                                                                                          | Ward's weed                                 | <i>Carrichtera annua</i>       |                               |
|                                                                                                                                                                                                          | Wild radish                                 | <i>Raphanus raphanistrum</i>   |                               |
|                                                                                                                                                                                                          | Other seedling broadleaved weeds            | <i>Gallium tricornutum</i>     | 1 to 4 leaf or 1 to 4 cm diam |
|                                                                                                                                                                                                          | Bedstraw                                    | <i>Bifora testiculata</i>      |                               |
|                                                                                                                                                                                                          | Bifora                                      | <i>Arctotheca calendula</i>    |                               |
|                                                                                                                                                                                                          | Capeweed                                    | <i>Marrubium vulgare</i>       |                               |
|                                                                                                                                                                                                          | Horehound                                   | <i>Veronica hederifolia</i>    |                               |
|                                                                                                                                                                                                          | Ivy-leaf speedwell                          | <i>Diplotaxis tenuifolia</i>   |                               |
|                                                                                                                                                                                                          | Lincoln weed                                | <i>Medicago</i> spp.           |                               |
|                                                                                                                                                                                                          | Medic                                       | <i>Emex australis</i>          |                               |
|                                                                                                                                                                                                          | Spiny emex (doublegee, three cornered jack) |                                |                               |
|                                                                                                                                                                                                          | Stinging nettle                             | <i>Urtica urens</i>            |                               |
|                                                                                                                                                                                                          | Storksbill (wild geranium, crowfoot)        | <i>Erodium</i> spp.            |                               |
|                                                                                                                                                                                                          | Sub clover                                  | <i>Trifolium subterraneum</i>  |                               |
|                                                                                                                                                                                                          | Vetch (tares)                               | <i>Vicia</i> spp.              |                               |
|                                                                                                                                                                                                          |                                             |                                |                               |
|                                                                                                                                                                                                          |                                             |                                |                               |

| RATE L/ha    | STATE                           | CRITICAL COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.6 to 0.8   | Sthn NSW, Vic, Tas, SA, WA only | <b>Refer to Crop Establishment Procedure (1)</b><br>In WA apply after the autumn break within 4 weeks of weed germination. In the other States apply to young or well-grazed weeds. In a typical mixed weed situation use the rate recommended for the growth stage of the hardest to-kill weed species. Rates shown are for optimum conditions, for sowing equipment with wide points and overall soil disturbance.<br><br>* For control of Vulpia (silver grass) add a wetter such as QA Wetter 1000 at 100 mL/100L.<br><br><b>Also refer to Crop Establishment Procedure (2) – cultivation after spraying</b><br>Cultivation can commence 30 minutes after spraying but should be completed within 7 days unless a suitable residual herbicide is added or weeds are sprayed again. When heavy weed growth is present at spraying a better seedbed will result if cultivation is delayed 3 to 5 days to obtain maximum root release.<br><br><b>Also refer to Crop Establishment Procedure (3) – cultivation before</b><br>Spraying may be carried out before or after sowing or transplanting but 3 days before the crop emerges.<br><br><b>Tank Mix:</b> See Compatibility Section. Refer to partner product labels for suitability of use prior to sowing particular crops and relevant plant-back periods. |
| 0.8 to 1.0   |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 0.6 to 0.8 * |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 0.8 to 1.0 * |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 0.8 to 1.0   |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 0.8 to 1.0   |                                 | <b>Continued next page</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| CROP/SITUATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WEEDS CONTROLLED                                                                          |                                                                                                                                                                                        | GROWTH STAGE                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Common Name                                                                               | Botanical Name                                                                                                                                                                         |                                       |
| <b>Southern Australia</b><br><b>Direct Drilling</b><br>With full combine Or<br>With cultivation before<br>spraying Or<br>With cultivation after<br>spraying as an aid in the<br>establishment of crops<br>including:<br><b>Winter</b><br>Canola, Chickpeas, Cereals<br>(Wheat, Barley, Oats, Rye,<br>Triticale), Field beans,<br>Field peas, Lentils, Linseed<br>(Linola), Lupins, Vetch<br><b>Spring/Summer</b><br>Fodder Rape, Pigeon<br>peas, Safflower, Sorghum,<br>Soybeans, Sunflower<br><b>Pasture</b><br>Clover grass, Lucerne,<br>Medic | Deadnettle<br>Fumitory<br>Melilotus<br>Pimpernel<br>Poppy<br>Saffron thistle<br>Sheepweed | <i>Lamium amplexicaule</i><br><i>Fumaria</i> spp.<br><i>Melilotus</i> spp.<br><i>Anagallis</i> spp.<br><i>Papaver</i> spp.<br><i>Carthamus lanatus</i><br><i>Buglossoides arvensis</i> | 1 to 10 leaf<br>or 1 to 10 cm<br>diam |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Wireweed                                                                                  | <i>Polygonum aviculare</i>                                                                                                                                                             | 1 to 4 leaf                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Marshmallow                                                                               | <i>Malva parviflora</i>                                                                                                                                                                | 1 to 12 leaf                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Volunteer beans Peas, Lupins                                                              |                                                                                                                                                                                        | 1 to 6 leaf                           |

| RATE L/ha                                                                                                | STATE                                 | CRITICAL COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.8 to 1.0                                                                                               | Sthn NSW,<br>Vic, Tas, SA,<br>WA only | <b><i>Continued from previous page</i></b><br><b>Refer to Crop Establishment Procedure (1)</b><br>In WA apply after the autumn break within 4 weeks of weed germination. In the other States apply to young or well-grazed weeds. In a typical mixed weed situation use the rate recommended for the growth stage of the hardest to-kill weed species. Rates shown are for optimum conditions, for sowing equipment with wide points and overall soil disturbance.<br>* For control of Vulpia (silver grass) add a wetter such as QA Wetter 1000 at 100 mL/100L. |
| 0.8 to 1.0                                                                                               |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 0.8 to 1.0 plus Diuron<br>(500 g/SC) 75mL/ha                                                             |                                       | <b>Also refer to Crop Establishment Procedure (2) – cultivation after spraying</b><br>Cultivation can commence 30 minutes after spraying but should be completed within 7 days unless a suitable residual herbicide is added or weeds are sprayed again. When heavy weed growth is present at spraying a better seedbed will result if cultivation is delayed 3 to 5 days to obtain maximum root release.                                                                                                                                                        |
| 0.8 to 1.0 plus<br>Metsulfuron-methyl<br>(600 g/kg) 5g or<br>0.8 to 1.0 plus Dicamba<br>500 mL (200 g/L) |                                       | <b>Also refer to Crop Establishment Procedure (3) – cultivation before</b><br>Spraying may be carried out before or after sowing or transplanting but 3 days before the crop emerges.<br><b>Tank Mix:</b> See Compatibility Section. Refer to partner product labels for suitability of use prior to sowing particular crops and relevant plant-back periods.                                                                                                                                                                                                    |

| SOUTHERN AUSTRALIA – FALLOW / MINIMUM DISTURBANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                          |                                                                                                                   |                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------|
| CROP/SITUATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WEEDS CONTROLLED                                                                                                                         |                                                                                                                   | GROWTH STAGE                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Common Name                                                                                                                              | Botanical Name                                                                                                    |                                |
| <b>Southern Australia</b><br><b>Direct Drilling</b><br>With minimum disturbance (disc drill, modified combine, sod seeder) Or<br><b>Fallows</b><br>Cultivated or non- cultivated as an aid in establishing crops Or<br>Establishing and maintaining a fallow. Includes the following crops:<br><b>Winter</b><br>Canola, Chickpeas, Cereals (Wheat, Barley, Oats, Rye, Triticale), Field beans, Field peas, Lentils, Linseed (Linola), Lupins, Vetch<br><b>Spring/Summer Fodder</b><br>Rape, Pigeon peas, Safflower, Sorghum, Soybeans, Sunflower<br><b>Pasture</b><br>Clover grass, Lucerne, Medic | Seedling grasses<br>Annual Ryegrass<br>Barley grass<br>Brome grass<br>Volunteer cereals, Wild oats<br>Vulpia (silver grass, sand fescue) | <i>Lolium rigidum</i><br><i>Hordeum</i> spp.<br><i>Bromus</i> spp.<br><i>Avena</i> spp.<br><br><i>Vulpia</i> spp. | 2 to 3 leaf<br><br>2 to 3 leaf |

| RATE L/ha | STATE                           | CRITICAL COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.0       | Sthn NSW, Vic, Tas, SA, WA only | <b>Refer to Crop Establishment Procedures (1), (4) or (5b) as appropriate to the particular situation</b><br>In WA apply after the autumn break within 4 weeks of weed germination. In the other States apply to young or well-grazed weeds. Rates shown are for optimum conditions, for sowing equipment with wide points and overall soil disturbance.<br><br>* For control of Vulpia (silver grass) add a wetter such as QA Wetter 1000 at 100 mL/100L.<br><br><b>Also refer to Crop Establishment Procedure (2) – cultivation after spraying</b><br>Cultivation can commence 30 minutes after spraying but should be completed within 7 days unless a suitable residual herbicide is added. Where heavy weed growth is present at spraying a better seedbed will result if cultivation is delayed 3 to 5 days.<br><br><b>Also refer to Crop Establishment Procedure (3) – cultivation before spraying</b><br>Spraying may be carried out before or after sowing, but 3 days before the crop emerges.<br><br><b>Tank Mix:</b> See Compatibility Section. Refer to partner product labels for suitability of use prior to sowing particular crops and relevant plant-back periods. |
| 1.0 *     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| NORTHERN AUSTRALIA – FULL DISTURBANCE                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| CROP/SITUATION                                                                                                                                                                                                                                                                                                                                                                                    | WEEDS CONTROLLED                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GROWTH STAGE     |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Common Name                                                                                                                                                                                                                                                                                                                                                | Botanical Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| <b>Northern Australia</b><br><b>Direct Drilling</b><br>With full combine as an aid in the establishment of crops including:<br><b>Broadacre crops – Winter</b><br>Canola, Chickpeas, Cereals (Wheat, Barley, Oats, Rye, Triticale), Field beans<br><b>Broadacre crops – Summer</b><br>Peanuts, Pigeon peas, Safflower, Sorghum, Soybeans, Sunflower, Navy beans, Mungbeans, Millet, Maize, Cotton | Seedling grasses (not regrowth or rhizomes)<br>Barnyard grass<br>Buffel grass<br>Columbus grass<br>Johnson grass<br>Liverseed grass<br>Mossman river grass<br>Paradoxa grass<br>Rhodes grass<br>Summer grass<br>Sweet summer grass<br>Volunteer barley<br>Volunteer wheat<br>Wild oats                                                                     | <i>Echinochloa</i> spp.<br><i>Cenchrus ciliaris</i><br><i>Sorghum x alnum</i><br><i>Sorghum halepense</i><br><i>Urochloa panicoides</i><br><i>Cenchrus echinatus</i><br><i>Phalaris paradoxa</i><br><i>Chloris gayana</i><br><i>Digitaria ciliaris</i><br><i>Brachiaria eruciformis</i><br><i>Hordeum vulgare</i><br><i>Triticum aestivum</i><br><i>Avena ludoviciana</i> A. fatua                                                                                                                                                                                           | 2 to 3 leaf      |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Sorghum<br>Stink grass                                                                                                                                                                                                                                                                                                                                     | <i>Sorghum bicolor</i><br><i>Eragrostis cilianensis</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 to 3 leaf only |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Seedling broadleaved weeds<br>African turnip weed<br>Annual saltbush<br>Australian bindweed<br>Australian bluebell<br>Blackberry nightshade<br>Bathurst burr<br>Bellvine<br>Black pigweed<br>Bladder ketmia<br>Caltrop<br>Caustic weed<br>Climbing buckwheat<br>Cowvine<br>Cudweeds<br>Deadnettle<br>European bindweed<br>Fat hen<br>Fireweed<br>Fleabanes | <i>Sisymbrium thellungii</i> *<br><i>Atriplex muelleri</i><br><i>Convolvulus erubescens</i><br><i>Wahlenbergia gracilis</i><br><i>Solanum nigrum</i><br><i>Xanthium spinosum</i><br><i>Ipomoea plebeian</i><br><i>Trianthema portulacastrum</i><br><i>Hibiscus trionum</i><br><i>Tribulus terrestris</i><br><i>Euphorbia</i> spp.<br><i>Polygonum convolvulus</i><br><i>Ipomoea lonchophylla</i><br><i>Gnaphalium</i> spp.<br><i>Lamium amplexicaule</i><br><i>Convolvulus arvensis</i><br><i>Chenopodium album</i><br><i>Senecio madagascariensis</i><br><i>Conyza</i> spp. | 1 to 4 leaf      |

| RATE L/ha  | STATE                     | CRITICAL COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.8 to 1.0 | Qld, Nthn<br>NSW, NT only | <b>Refer to Crop Establishment Procedures (5a)</b><br>Apply in 50 to 100 L of clean water/ha. Avoid spraying under hot dry conditions. Best results will be obtained when spraying is carried out in humid conditions or in the late evening. In a typical mixed weed situation use the rate recommended for the growth stage of the hardest-to-kill weed species.<br><br>Rates shown are for optimum conditions and for sowing equipment with wide points and cultivating tynes.<br><br><b>Tank Mix:</b> See Compatibility Section.<br><br>* For control of larger weeds prior to cereals add 0.5 to 1 L 2,4-D amine (500 g/L). Refer to relevant label for plant-back period. |
| 0.8 to 1.0 |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 0.8 to 1.0 |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

*Continued next page*

| CROP/SITUATION                                                                                                                                                                                                                                                                                                                                                                                    | WEEDS CONTROLLED                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GROWTH STAGE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                   | Common Name                                                                                                                                                                                                                                                                                                                                                                                          | Botanical Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
| <b>Northern Australia</b><br><b>Direct Drilling</b><br>With full combine as an aid in the establishment of crops including:<br><b>Broadacre crops – Winter</b><br>Canola, Chickpeas, Cereals (Wheat, Barley, Oats, Rye, Triticale), Field beans<br><b>Broadacre crops – Summer</b><br>Peanuts, Pigeon peas, Safflower, Sorghum, Soybeans, Sunflower, Navy beans, Mungbeans, Millet, Maize, Cotton | Fumitory<br>Hogweed<br>Malvastrum<br>Mexican poppy<br>Mintweed                                                                                                                                                                                                                                                                                                                                       | <i>Fumaria</i> spp.<br><i>Zaleya galericulata</i><br><i>Malvastrum americanum</i><br><i>Argemone</i> spp.<br><i>Salvia reflexa</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 to 4 leaf  |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Seedling broadleaved weeds<br>Mungbean<br>Native Rosella<br>New Zealand spinach<br>Noogoora burr<br>Parthenium weed<br>Peppercress<br>Phyllanthus<br>Prickly lettuce<br>Prickly paddymelon<br>Red pigweed<br>Rhynchosia<br>Sesbania pea *<br>Sida<br>Smooth cucumber<br>Soft roly poly<br>Sowthistle<br>Soybean<br>Spiny emex<br>Sunflower *<br>Thornapples<br>Variegated thistle<br>Wild gooseberry | <i>Vigna radiata</i><br><i>Abelmoschus ficulneus</i><br><i>Tetragonia tetragonioides</i><br><i>Xanthium pungens</i><br><i>Parthenium hysterophorus</i><br><i>Lepidium</i> spp.<br><i>Phyllanthus</i> spp.<br><i>Lactuca seriola</i><br><i>Cucumis myriocarpa</i><br><i>Portulaca oleracea</i><br><i>Rhynchosia</i> spp.<br><i>Sesbania cannabina</i> *<br><i>Sida</i> spp.<br><i>Cucumis</i> spp.<br><i>Salsola kali</i><br><i>Sonchus</i> spp.<br><i>Glycine max</i><br><i>Emex australis</i><br><i>Helianthus annuus</i> *<br><i>Datura</i> spp.<br><i>Silybum marianum</i><br><i>Physalis minima</i> | 1 to 4 leaf  |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Boggabri                                                                                                                                                                                                                                                                                                                                                                                             | <i>Amaranthus mitchellii</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 to 8 leaf  |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Hexham scent *                                                                                                                                                                                                                                                                                                                                                                                       | <i>Melilotus indicus</i> *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Wild carrot                                                                                                                                                                                                                                                                                                                                                                                          | <i>Daucus glochidiatus</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |
|                                                                                                                                                                                                                                                                                                                                                                                                   | Speedy weed                                                                                                                                                                                                                                                                                                                                                                                          | <i>Flaveria australasica</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |

| RATE L/ha  | STATE                     | CRITICAL COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.8 to 1.0 | Qld, Nthn<br>NSW, NT only | <b><i>Continued from previous page</i></b><br><b>Refer to Crop Establishment Procedures (5a)</b><br>Apply in 50 to 100 L of clean water/ha. Avoid spraying under hot dry conditions. Best results will be obtained when spraying is carried out in humid conditions or in the late evening. In a typical mixed weed situation use the rate recommended for the growth stage of the hardest-to-kill weed species.<br>Rates shown are for optimum conditions and for sowing equipment with wide points and cultivating tynes.<br><b>Tank Mix:</b> See Compatibility Section.<br>* For control of larger weeds prior to cereals add 0.5 to 1 L 2,4-D amine (500 g/L). Refer to relevant label for plant-back period. |
| 0.8 to 1.0 |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 0.8 to 1.0 |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| PUBLIC SERVICE AREAS, RIGHTS OF WAY, SPOT SPRAYING                        |                                              |                                           |            |
|---------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------|------------|
| Crop/Situation                                                            | Weeds Controlled                             | Rate/100L<br>High volume or power sprayer | State      |
| Public Service areas,<br>Rights of Way                                    | Most annual grasses and<br>broadleaved weeds | 240 to 320 mL<br>(a) see below            | All States |
| Market Gardens and<br>Nurseries<br>(spot spray only)                      |                                              |                                           |            |
| Pre-crop emergence weed<br>control - vegetable crops<br>(spot spray only) |                                              |                                           |            |
| Potatoes – (spot spray only)                                              |                                              | 240mL (a) see below                       |            |
| Wetting agent:<br>(a) Add 160mL Agral or 100 mL QA Wetter 1000 per 100L   |                                              |                                           |            |

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

**FOR USE ONLY AS AN AGRICULTURAL HERBICIDE.**

**THIS PRODUCT IS TOO HAZARDOUS TO BE USED IN THE HOME GARDEN.**

**WITHHOLDING PERIODS:**

**GRAZING:**

**LIVESTOCK: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 1 DAYS AFTER APPLICATION.**

**HORSES: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.**

**HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.**

| Critical Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Thoroughly wet plant foliage. Use the high rate for dense more established weed growth. Repeat treatment on regenerated green perennial weeds (such as paspalum and docks) while plants are weakened from previous treatment. Addition of oxyfluorfen 240 g/L EC at 250 mL/ha will improve control of small flowered mallow, evening primrose and other weeds sensitive to oxyfluorfen 240 g/L EC. Refer to the oxyfluorfen 240 g/L EC label.</p> <p><b>Note:</b> Spot spray rate assumes 1000 L water/ha. For lower water volumes increase dilution rate as below:<br/> Water volume 250 L/ha: use 960 to 1280 mL/100L<br/> Water volume 500 L/ha: use 480 to 640 mL/100L<br/> Water volume 750 L/ha: use 320 to 430 mL/100L</p> <p>OR measure how much spray is required to cover an area of 100 square metres using your normal application volume. Your dilution rate is 24 to 32 mL of QA Paraquat/Diquat 250 SL Herbicide in this volume.</p> <p>Prepare seed bed as long as possible before sowing to permit maximum weed germination.</p> <p>Spray the weeds, wait until they have dried off and then sow. If further weed germinations occur before crop emerges, spray again but at least 3 days before crop emerges. Spray when weeds are growing vigorously and not covered with soil or dust, or wilting due to dry conditions. When rain follows dry conditions allow 7 days for weed growth to commence before spray application. See Note on Spot spray rate above.</p> <p>After planting and hilling up, wait until 10 to 15% of potato shoots are emerged then spray with QA Paraquat/Diquat 250 SL Herbicide. Emerged potato shoots will suffer a marginal leaf burn but will quickly recover.</p> <p>See Note on Spot spray rate above.</p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## LIVESTOCK DESTINED FOR EXPORT MARKETS

The grazing withholding period only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that in addition to complying with the grazing withholding period, the export slaughter interval is observed before stock are sold or slaughtered.

### EXPORT SLAUGHTER INTERVAL (ESI) 13 DAYS

Livestock that has grazed on or been fed treated crops should be placed on clean feed for 13 days prior to slaughter.

### EXPORT OF TREATED PRODUCE

Growers should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for chickpeas, field peas, lentils, lupins or vetch treated with QA Paraquat/Diquat 250 SL Herbicide. If you are growing chickpeas, field peas, lentils, lupins or vetch for export, please check with Quantum Agrosiences Holdings Pty Ltd for the latest information on MRLs and import tolerances before using QA Paraquat/Diquat 250 SL Herbicide.

### GENERAL INSTRUCTIONS

QA Paraquat/Diquat 250 SL Herbicide quickly kills a wide range of annual grasses, broadleaf weeds and some perennial grasses when sprayed directly onto the leaves. The active ingredients are rapidly and tightly absorbed by clay and silt particles in the soil and do not leave any effective soil residues. Thus, crops sown almost immediately after spraying are not affected by the chemicals, nor are weed seeds which germinate after spraying.

Where insect pests are anticipated use recommended insecticide treatment. Regular checks should be made before and after sowing.

### MIXING

The recommended rate of QA Paraquat/Diquat 250 SL Herbicide should be added to water in the spray tank and agitated to give even mixing. Agitate again if left standing. Tank mixes with 2,4-D and MCPA formulations should not be more concentrated than 2 parts QA Paraquat/Diquat 250 SL Herbicide to 1 part 2,4-D or MCPA. Mixtures with more than one product may not be compatible and should be checked in a jar test first. Physical compatibility does not guarantee biological compatibility. QA Paraquat/Diquat 250 SL Herbicide is NOT compatible with copper, zinc or manganese sulphates.

### Water Volume

It is essential to obtain good leaf coverage with the spray and the following volumes are recommended:

| Winter rainfall areas        | Boomspray       | Summer rainfall areas: Weed stage and density  |
|------------------------------|-----------------|------------------------------------------------|
| Plant height up to 2 cm      | 50 to 100 L/ha  | Small plants (2 to 5 leaf) and well separated. |
| Plant height up to 2 to 5 cm | 100 to 150 L/ha | 30 to 50% ground cover.                        |

#### Note:

- If the volume is increased above 100 L/ha additional wetter should be added at the rate of 200 mL of Agral\*/100 L or 120 mL BS1000\*/100 L of additional water.
- Water should be clean and free from clay, silt and algae. Providing it meets this requirement, saline water, water collected from roofs, bore water, dam water and water from creeks may be used.

## APPLICATION

**Boomspray:** Use only through a properly calibrated boomspray which should be fitted with flat fan jets and adjusted to a height to give at least double overlap of the spray at the top of the weeds being sprayed. It is essential that a good marking system be used. If a disc marker is used it must be mounted so as to turn the soil back on to the area sprayed.

### Crop Establishment Procedures:

| (1) DIRECT DRILLING with no working before sowing. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Step                                               | Critical comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. Burn                                            | If possible, crop stubble or pasture trash should be burnt early to avoid problems at sowing. Can also promote weed seed germination.                                                                                                                                                                                                                                                                                                                                                             |
| 2. Shallow cultivation – optional.                 | Should be carried out on opening rains to a depth of no more than 2 cm. This will encourage early even germination of weeds particularly annual grasses.                                                                                                                                                                                                                                                                                                                                          |
| 3. Heavily graze paddocks from germination.        | This prepares the paddock for spraying by keeping the pasture short and open and at the same time restricts the development of the weed roots which will assist seed bed formation.                                                                                                                                                                                                                                                                                                               |
| 4. Remove stock 2 to 3 days before spraying.       | Allow fresh growth – important for maximum uptake of QA Paraquat/Diquat 250 SL Herbicide. Spraying can, however, take place immediately after stock removal provided there is sufficient leaf cover and the pasture is not dusty.                                                                                                                                                                                                                                                                 |
| 5. Spraying with a boom spray.                     | Accurate application and full spray cover are essential to give weed control. Note limitations as outlined under Directions for Use.                                                                                                                                                                                                                                                                                                                                                              |
| 6. Sow 3 to 5 days after spraying.                 | A rigid tyne spring release combine is preferred to ensure adequate penetration. Points should not be worn. The combine must be level and set to work 3 to 5 cm and sow seed at recommended depth. Use standard seed and fertiliser rates. When harrowing is considered necessary use trailing harrows. Sowing can commence one hour after spraying and should be completed within 7 days. Where heavy weed growth is present a better seed bed will result if sowing is delayed for 3 to 5 days. |

### (2) WITH CULTIVATION AFTER SPRAYING

| Step                                        | Critical comments                                                                                                                                                                                                                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Graze paddocks from germination          | This prepares the paddock for spraying by keeping the pasture short and open and at the same time restricts the development of the weed roots, which will assist seed bed formation.                                                                                                                  |
| 2. Remove stock 2 to 3 days before spraying | Allows fresh growth – important for maximum uptake of QA Paraquat/Diquat 250 SL Herbicide. Spraying can take place immediately after stock removal provided there is sufficient leaf cover and the pasture is not dusty.                                                                              |
| 3. Spray with a boom spray                  | Accurate application and full spray cover are essential to give weed control. Note limitations as outlined under Directions for Use.                                                                                                                                                                  |
| 4. Cultivate                                | Between 1 hour and 7 days after spraying. When dense weed growth is present implement penetration and resulting seed bed may be improved if cultivation commences 3 to 5 days after spraying. It is not necessary to cultivate deeper than sowing depth. Use scarifier or combine with heavy harrows. |
| 5. Sow                                      | Sow at the recommended seed and fertiliser rates and depth.                                                                                                                                                                                                                                           |

| <b>(3) WITH CULTIVATION BEFORE SPRAYING</b>                              |                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step</b>                                                              | <b>Critical comments</b>                                                                                                                                                                                                                                                                                                       |
| 1. Graze                                                                 | Graze pasture or stubble to keep growth of weeds down to a minimum following the autumn break.                                                                                                                                                                                                                                 |
| 2. Cultivate 4 to 6 weeks prior to the anticipated sowing date           | Cultivate after autumn rains when conditions are suitable to produce a seed bed and before heavy weed growth develops. A scarifier and heavy harrows should be used with the aim of killing existing weed growth and leaving the seed bed in a level condition. It is not necessary to cultivate deeper than the sowing depth. |
| 3. Wait                                                                  | Wait 4 to 6 weeks to allow a full germination of weeds. Graze if necessary.                                                                                                                                                                                                                                                    |
| 4. Remove stock 2 to 3 days before spraying                              | Allow fresh growth – important for maximum uptake of QA Paraquat/Diquat 250 SL Herbicide.                                                                                                                                                                                                                                      |
| 5. Spray with a boom spray                                               | Accurate application and full spray cover are essential to give weed control. Note limitations as outlined under Directions for Use.                                                                                                                                                                                           |
| 6. Sow                                                                   | Between 1 hour and 7 days after spraying, sow crop in the normal manner. Sow at recommended seed and fertiliser rates and depth.<br><br><b>NOTE:</b> Where heavy weed growth is present at spraying, a better seed bed will result if sowing is delayed for 3 to 5 days.                                                       |
| <b>NOTE:</b> For on the farm advice and assistance, contact your dealer. |                                                                                                                                                                                                                                                                                                                                |

#### **(4) CONTROL OF WEEDS DURING FALLOW PROCEDURE**

Weeds must be controlled during the fallow to conserve moisture. While cultivation can eliminate weeds it also exposes the soil to moisture loss. In addition, repeated cultivations destroy soil structure, reduce organic matter, and stubble cover. This leads to the formation of hard pans, soil crusts and increases the risk of erosion. Under moist soil conditions weeds are frequently transplanted and not killed, weed growth holds the soil in clods.

QA Paraquat/Diquat 250 SL Herbicide provides an economical and reliable alternative for fallow weed control.

##### **Seedling Weeds:**

Seedling weeds should be sprayed with 1 to 3.2 L/ha QA Paraquat/Diquat 250 SL Herbicide in 50 to 100 L of clean water (see Directions for Use table). Some difficult to control weeds may require a second application 7 to 21 days later, or control may be assisted by a following cultivation.

##### **Control of transplanted weeds:**

Weeds transplanted by unsuccessful cultivation present an extremely difficult problem. If there is a risk that cultivation will result in weeds being transplanted (particularly under moist soil conditions) it is recommended that the weeds be sprayed with QA Paraquat/Diquat 250 SL Herbicide prior to cultivation (see previous section). Weeds partly covered by soil and clods provide poor conditions for successful chemical weed control. The best results will be achieved by allowing the weeds to make some regrowth to provide an adequate chemical target. Apply the highest rate of QA Paraquat/Diquat 250 SL Herbicide preferably spraying in the late afternoon or early evening.

#### **(5) CONTROL OF SEEDLING WEEDS IMMEDIATELY BEFORE SOWING**

##### **(a) Sowing with full disturbance (full combine):**

The cultivation action of the combine aids in weed kill. Use 0.8 to 1.0 L of QA Paraquat/Diquat 250 SL Herbicide depending upon weed species (see Directions for Use table). Sowing should commence within 7 days of spraying.

##### **(b) Sowing with minimum disturbance (row crop, no-till planters):**

Use QA Paraquat/Diquat 250 SL Herbicide at 1 L/ha in Southern Australia.

**NOTE:** For on the farm advice and assistance, contact your dealer.

##### **COMPATIBILITY**

QA Paraquat/Diquat 250 SL Herbicide is compatible with any one of the following herbicides: Paraquat 250, Dicamba 500 Herbicide, Atrazine 900 WG, Avadex\* BW, Banvel\* 200 (dicamba), Apparent 2,4-D Amine, Devrinol\*, Diuron WG, Dual\* Gold, Frenock\*, chlorsulfuron, metsulfuron, oxyfluorfen, Logran\*, Lontrel\*, MCPA (amine and ester), Reglone\*, Solicam\* DF, Simagranz\*, Spinnaker\*, Stomp\*, Surflan\*, trifluralin, Yield\*.

Tank mixes with 2,4-D and MCPA formulations should not be more concentrated than 2 parts QA Paraquat/Diquat 250 SL Herbicide to 1 part 2,4-D or MCPA. Refer to the manufacturer's label for specific details on compatibility and weed control. Mixtures with more than one product may not be compatible and should be checked in a jar test first. Physical compatibility does not guarantee biological compatibility.

QA Paraquat/Diquat 250 SL Herbicide is compatible with any one of the following insecticides: Dominex\*, Imidan\*, Karate\*, Le-mat\*, Talstar\*. QA Paraquat/Diquat 250 SL Herbicide is compatible with Agral and BS1000 surfactants.

QA Paraquat/Diquat 250 SL Herbicide is NOT compatible with copper, zinc or manganese sulphates.

##### **RESISTANT WEEDS WARNING**

QA Paraquat/Diquat 250 SL Herbicide is a member of the bipyridyls group of herbicides. QA Paraquat/Diquat 250 SL Herbicide has the inhibitors of photosynthesis at photosystem I mode of action. For weed resistance management QA Paraquat/Diquat 250 SL Herbicide is a Group 22 herbicide. Some naturally occurring weed biotypes resistant to QA Paraquat/Diquat 250 SL Herbicide and Group 22 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 QA Paraquat/Diquat 250 SL Herbicide or other Group 22 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Quantum Agrosciences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of QA Paraquat/Diquat 250 SL Herbicide to control resistant weeds.

##### **PRECAUTIONS**

**RE-ENTRY PERIOD:** DO NOT allow entry to treated areas until the spray has dried.

This formulation should not be applied on or near water which is used for human consumption.

##### **PROTECTION OF LIVESTOCK**

This formulation should not be applied on or near water which is used for livestock watering.

##### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. This formulation should not be applied on or near water which is used for commercial or recreational fishing.

Toxic to birds and native mammals. However, the use of this product as directed is not expected to have adverse effects

**GROUP 22 HERBICIDE**

on birds and native mammals. Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

#### **STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well ventilated locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store for prolonged periods in direct sunlight.

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

#### **SAFETY DIRECTIONS**

Very dangerous, particularly the concentrate. Do not swallow. The product, particularly the concentrate, can kill if swallowed, absorbed through the eyes or absorbed by skin contact. The liquid can cause burns particularly to the eyes. Will irritate the nose, throat and skin. When handling, do not touch or rub eyes, nose or mouth with hand. Avoid contact with eyes and skin, open wounds and clothing. Protect eyes while using.

If clothing becomes contaminated with product or with wet spray remove clothing immediately. Do not inhale spray mist. Do not allow children to play with containers or any equipment that is used.

When connecting, disconnecting and cleaning equipment wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, impervious footwear, elbow-length chemical resistant gloves and a full face respirator with canister specified for paraquat/diquat OR half face-piece respirator with canister specified for paraquat/diquat and face shield or goggles.

When applying by hand wand wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat, impervious footwear, elbow-length chemical resistant gloves and a full face piece respirator with a canister specified for paraquat/diquat.

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, respirator (and if rubber wash with detergent and warm water), clothing and footwear.

#### **FIRST AID**

If poisoning occurs, get to a doctor or hospital quickly. If sprayed on skin, wash thoroughly. If sprayed in mouth, rinse mouth with water. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

#### **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

**CONDITIONS OF SALE:** Quantum Agrosiences Holdings Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Quantum Agrosiences Holdings Pty Ltd's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Quantum Agrosiences Holdings Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.



**Quantum Agrosciences Holdings Pty Ltd**

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