For rapid knockdown and control of various grass and broadleaved weeds when mixed with certain glyphosate or paraquat/diquat herbicides, and for control of volunteer cotton when applied alone, prior to sowing cotton and its rotation crops, or for rapid knockdown and control of various broadleaved weeds when applied as a directed spray in cotton, as per the Directions for Use table.

GENERAL INSTRUCTIONS

MIXING

VALOR 500 WG is a water dispersible granule formulation and is contained within a water soluble bag. The water soluble bags dissolve readily in water. DO NOT handle water soluble bags or expose to moisture because this may cause breakages. DO NOT touch bags with wet hands or place on wet surfaces. DO NOT damage foil Sachets that contain the water soluble bags. Protect unused Sachets by keeping them in the original container. Open Sachets only as needed.

To ensure even mixing, half-fill the spray tank with clean water. Tear open the necessary number of sachets and drop the water soluble bags contained in them into the spray tank without touching the bags. Keep the agitation system engaged. Mix thoroughly until fully dissolved. Add the knockdown herbicide and remaining water. Mix thoroughly. Add spray additive near the end of the filling process to minimize foaming. Always maintain adequate agitation during application and use the tank mix promptly.

APPLICATION

Apply in a minimum of 80 L spray solution per hectare. Refer to the Directions for Use and General Instructions of the knockdown herbicide label.

As VALOR is a contact herbicide, coverage is important.

Performance of VALOR as a knockdown or with a partner on weeds or on volunteer cotton maybe reduced with large droplets and poor coverage.

Air induction nozzles that deliver coarse droplets at high travelling speeds, low pressure and low water rates may reduce coverage and herbicide performance.

Air induction nozzles can produce variable results when used with oil.

Best results with VALOR are achieved with medium droplets produced by wide angle flat fan or twin jet nozzles.

If the partner herbicide requires coarse droplets, then ensure high water volumes >80 L/ha are used.

SPRAYER CLEANUP

When cleaning spraying equipment, wear cotton overalls buttoned to the neck and wrist and elbow-length chemical resistant gloves.

After Valor 500 WG is applied the following steps must be taken to clean the spray equipment.

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
3. Add 1 litre of 3% household ammonia or similar alkaline based tank cleaner for every 100 litres of water, circulate through sprayer for five minutes, then flush all hoses, booms, screens and nozzles for a minimum of fifteen minutes.
4. Drain tank completely.
5. Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for two minutes.
6. Remove all nozzles and screens and rinse them in clean water.

Equipment with Valor 500WG residue remaining in the system may result in crop injury to the subsequently treated crop.

COMPATIBILITY

Valor 500 WG Herbicide is compatible with:
- Roundup Powermax Herbicide
- Roundup Ready Herbicide with Plant Shield
- Glyphosate 450
- Nufarm Weedmaster DST or Nufarm Weedmaster Argo Dual Salt Technology Herbicide
- Spray·Seed 250 Herbicide or Nufarm Revolver Herbicide
- Gramoxone Herbicide or Nufarm Nuquat 250 Non-residual Knockdown Herbicide
- 2,4-D Ester Herbicide or Nufarm Estercide Xtra 680 or Nufarm Estercide 800 Herbicide
- Nufarm Amicide Advance 700 Selective Herbicide
RESISTANT WEEDS WARNING

Valor 500 WG Herbicide is a member of the N-phenylphthalimides group of herbicides. The mode of action of Valor 500 WG Herbicide is to inhibit protoporphyrinogen oxidase. For weed resistance management, Valor 500 WG Herbicide is a Group G Herbicide.

Some naturally-occurring weed biotypes resistant to Valor 500 WG Herbicide and other Group G 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 Valor 500 WG Herbicide or other Group G Herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of Valor 500 WG Herbicide to control resistant weeds.

Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant or local Department of Agriculture.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply Valor 500 WG Herbicide under weather conditions (e.g. wind) or from spray equipment that may cause spray to drift onto nearby susceptible crops/plants, cropping lands or pastures.

A 15 meter buffer must be observed between sprayed areas and any downwind adjacent vegetation. Care should be taken to avoid damage to adjoining native grasses or grass crops.

Valor 500 WG Herbicide should not be applied through misting equipment or any other method likely to cause excessive drift.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

DO NOT apply Valor 500 WG Herbicide if wind is likely to cause drift onto natural and impounded lakes, waterways, streams or rivers.

A 15 meter buffer must be observed between sprayed areas and downwind natural and impounded lakes, dams, waterways, streams or rivers.

STORAGE AND DISPOSAL

Store in a locked room or place away from children, animals, food, feedstuffs and fertilizers. Store in the closed, original container in a dry, cool well-ventilated area out of direct sunlight. DO NOT store in or expose product to wet conditions. Rough handling of product may cause breakage of water soluble bags, especially at low temperatures.

DO NOT dispose of undiluted chemicals on-site. Break, crush or puncture sachets and containers and deliver empty packaging to an approved waste management facility.

If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SMALL SPILL MANAGEMENT

Sweep up material and contain in a refuse vessel for disposal in the same manner as for containers (see Storage and Disposal).

SAFETY DIRECTIONS

WARNING: CONTAINS FLUMIOXAZIN WHICH CAUSES BIRTH DEFECTS IN LABORATORY ANIMALS. WOMEN OF CHILD BEARING AGE SHOULD AVOID CONTACT WITH FLUMIOXAZIN

Hazards
Poisonous if absorbed by skin contact or swallowed. Will irritate the eyes and skin.

Precautions:
Avoid contact with eyes and skin. Open sachets only as needed.

Mixing or Using
When opening the container, preparing spray and using the prepared spray, wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and face shield

After Use
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 and face shield and contaminated clothing.

RE-ENTRY
Do not enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day’s use.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia Tel. 131126; New Zealand 0800 764 766.
MATERIAL SAFETY DATA SHEET
Additional information is listed in the Material Safety Data Sheet (MSDS) obtained from Sumitomo Chemical Australia Pty Ltd.

IMPORTANT NOTICE
These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

APVMA Approval No: 61622/62222

FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY
PHONE: 1800 024 973 TOLL FREE ALL HOURS - AUSTRALIA WIDE

THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL

IN A TRANSPORT EMERGENCY DIAL: 000 POLICE OR FIRE BRIGADE
FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY PHONE: 1800 024 973 TOLL FREE ALL HOURS - AUSTRALIA WIDE

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## DIRECTIONS FOR USE

### RESTRAINTS

**DO NOT** apply by air.

**DO NOT** treat weeds under poor growing or dormant conditions (such as occur in drought, waterlogging, disease, insect damage or following frosts) as reduced control may result. Weeds should be actively growing at time of treatment.

### PRIOR TO SOWING

<table>
<thead>
<tr>
<th>CROP SITUATION</th>
<th>WEEDS CONTROLLED</th>
<th>RATE (mL/ha)</th>
<th>STATE</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley, chick peas, cotton, faba beans, field peas, lentils, lupins, maize, mungbeans, oats, sorghum, soybeans, sunflowers and wheat</td>
<td>Follow the Directions For Use of the glyphosate or Paraquat/Diquat knockdown herbicides, and the addition of VALOR 500 WG Herbicide will increase the speed of brownout and may improve final control of the following weeds: Bellvine (Ipomoea plebeia) Bladder ketmia (Hibiscus trionum) Caltrop/Peach vine (Tribulusterrestris) Capeweed (Arctotheca calendula) Cow vine (Ipomoea lonicophylla) Doublegee (Emexastralis) Erodium False castor oil (Daturastronomonium) Liverseed grass (Urochloapanicoides) Marshmallow (Malvaparviflora) Medicago spp. Noogoora burr (Xanthium occidentale) Paterson’s Curse (Echiiumplantagineum) Seedling Lucerne (Medicago sativa) Shepherd’s Purse (Capsella bursa-pastoris) Sowthistle (Sonchus oleraceus) Sunflower (Helianthus annuus) Redroot amaranth (Amaranthusretroflexus) Subterranean clover * (Trifolium subterraneum) Volunteer canola (Brassica napus) Wild radish (Raphanusrhaponticum) Wireweed (Polygonumvulgaris) Spurred vetch (Viciamonantha) Turnip weed (Raphistrumrugosum) Annual polynyma (Polymeriapusilla) Dead nettle (Lamiunmamplexicaule) Black bindweed (Fallopia convolvulus) Red pigweed (Portulacacalceae) Black pigweed (Thianthemaportulacastrum) Tarvine (Boerhaviadominii) If one of the above weeds is the dominant weed, and there is no specific rate for it on the glyphosate product label, consult the label’s generic annual-weed rate range. Select from within this range to suit the weed-stage, weed density, conditions etc of your situation. * Suppression only</td>
<td>30 g/ha of Valor plus the label rate of tank mix partner plus an adjuvant® All States</td>
<td>Observe the restraints, rates, mixing and general instructions on the knockdown herbicide product labels.</td>
<td></td>
</tr>
</tbody>
</table>

Note:
The addition of Valor to glyphosate, paraquat or diquat will not help to control large weeds or weeds that have hardened up from stress or established big tap roots. Glyphosate resistant weeds may not be controlled by addition of VALOR Herbicide. See application section for recommendations to get the best results.

### WITHHOLDING PERIOD:

Pre-plant knockdown, Cereal grains (wheat, barley, oats, maize and sorghum), pulses (lupins, chickpeas, faba beans, field peas, lentils and mungbeans), oilsseeds (soybeans and sunflowers) and cotton:

**GRAZING:** DO NOT ALLOW LIVESTOCK TO GRAZE VEGETATION PRESENT AT TIME OF TREATMENT FOR 2 WEEKS AFTER APPLICATION

**DO NOT GRAZE OR CUT CROPS PLANTED FOLLOWING TREATMENT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.**

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

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* Valor®

Page 4 of 5
## Valor® Weed Control Table

<table>
<thead>
<tr>
<th>CROP SITUATION</th>
<th>WEEDS CONTROLLED</th>
<th>Weed growth stage</th>
<th>RATE (mL/ha)</th>
<th>STATE</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIOR TO SOWING</td>
<td>Volunteer cotton including volunteer</td>
<td>up to 4 leaf</td>
<td>45 g/ha of</td>
<td>NSW and QLD only</td>
<td></td>
</tr>
<tr>
<td>Maize</td>
<td>Roundup Ready cotton</td>
<td></td>
<td>Valor plus an adjuvant³</td>
<td></td>
<td><strong>DO NOT apply post - sowing pre-emergent.</strong> Apply up to 24 hours prior to sowing.</td>
</tr>
<tr>
<td>Mungbeans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Valor 500 WDG can be tank mixed with glyphosate to control other weeds that are present.</td>
</tr>
<tr>
<td>Sorghum</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Refer to the glyphosate label for the appropriate label rate according to the weeds present.</td>
</tr>
<tr>
<td>Soybeans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Always apply with Hasten Spray Adjuvant or Kwickin Spray Adjuvant at 0.5 - 1L/100L (use the lower rate on smaller, actively growing weeds), or Uptake Spraying Oil at 500 mL/100L.</strong></td>
</tr>
<tr>
<td>and Sunflowers</td>
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</tr>
<tr>
<td>Cotton PRE- or POST SOWING</td>
<td>Volgoora burr</td>
<td>&lt; 4 leaf</td>
<td>60 g/ha of</td>
<td>NSW and QLD only</td>
<td></td>
</tr>
<tr>
<td>PRE- or POST SOWING pre</td>
<td>Caltrop, Yellowvine</td>
<td>&lt;10 cm Ø</td>
<td>Valor plus an adjuvant³</td>
<td></td>
<td><strong>Apply not later than 1 hour prior to sowing or post sowing up to 2 days before first crop emergence. Valor 500 WG can be tank mixed with glyphosate to control other weeds that are present. Refer to the glyphosate label for the appropriate label rate according to the weeds present.</strong> Always apply with Hasten Spray Adjuvant or Kwickin Spray Adjuvant at 0.5 - 1L/100L (use the lower rate on smaller, actively growing weeds), or Uptake Spraying Oil at 500 mL/100L.</td>
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<tr>
<td>emergence</td>
<td>(Tribulusterrestris &amp; T. micrococcus)</td>
<td></td>
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<tr>
<td>Cotton Lay-by application</td>
<td>Bellvine</td>
<td>up to 12 leaf</td>
<td>90 g/ha of</td>
<td>NSW and QLD only</td>
<td></td>
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<tr>
<td></td>
<td>Bladder ketmia</td>
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<td>Valor plus an adjuvant³</td>
<td></td>
<td><strong>Apply as a shielded spray underneath cotton foliage and to inter rows to control late germinating weeds, or weeds that have escaped previous herbicide operations. Best results are obtained when applied to young weeds between the 2- and 6-leaf stage. Vines that have commenced climbing may not be controlled. CAUTION: Valor 500 WDG will defoliate any cotton foliage that is contacted by the spray. Shielded sprayers must be operated to ensure that spray does not make contact with cotton foliage.</strong> DO NOT apply in conditions conducive to drift. DO NOT apply until cotton plants are 40 cm tall. DO NOT allow contact with green bark on stems or trunks. Always apply with Hasten Spray Adjuvant or Kwickin Spray Adjuvant at 0.5 - 1L/100L (use the lower rate on smaller, actively growing weeds), or Uptake Spraying Oil at 500 mL/100L.</td>
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<tr>
<td></td>
<td>Cow/Peach vine</td>
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<td></td>
<td>Spiked malvastrum</td>
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<tr>
<td></td>
<td>(Malvastrumamericanum)</td>
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<td></td>
<td>Black pigweed</td>
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<td>Red pigweed</td>
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<tr>
<td></td>
<td>Annual polymeria</td>
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<tr>
<td></td>
<td>(Polymeriapulis)</td>
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<tr>
<td></td>
<td>Sow thistle</td>
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<td></td>
<td>Dwarf amaranth</td>
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<td></td>
<td>(Amaranthusmacroparus)</td>
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</table>

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