



SUMMER CROP TECHNOTE

RESIDUAL AND BURNDOWN CONTROL WITH FLEXIBILITY



Overview

VALOR® is a highly flexible group G herbicide from Sumitomo Chemical Australia, now with all new high rate residual registrations in fallow and prior to planting summer crops.

It has a number of unique attributes making it one of the most versatile compounds in this group.

- Contains flumioxazin 500 g/kg as a WG (Wettable Granule).
- New residual registration in fallow and prior to planting cotton, sorghum, soybeans, mungbeans, peanuts, pigeon peas, navy beans, maize and sunflowers.
- Short plant-back requirements prior to winter and summer crops with only 15 mm rainfall requirement.
- 6-8 weeks residual control for late fallow and residual carryover/control into the emerged crop.
- Flexibility to alter cropping plans when opportunities or contingencies require it.
- Strength against difficult to control weeds.
- PPO group G mode of action with zero recorded resistance in Australia to date.
- Compatible with a wide range of knockdown and pre-emergent herbicides.
- Excellent fit in Roundup® Ready Flex cotton systems.



Rules of thumb for residual application

1. Do not apply to excessively cloddy ground to avoid shadowing.
2. Always use Hasten™ oil for best burndown results.
3. Valor needs at least 15 mm of rain or overhead irrigation to incorporate and activate.
4. Remove emerged weeds prior to application with a non-selective herbicide if coverage is greater than 20%.
5. Use a minimum of 80 L per ha of water when spraying. Use more water when heavy trash or stubble cover is present.
6. Avoid hottest brightest times of the day if also targeting emerged weeds as high rates combined with high light intensity can cause increased antagonism.
7. Prolonged wet weather following application and sowing can heighten the chance of negative crop effects.



Minimum re-cropping intervals

Crop	Residual rates 210-280 g/ha	Enhanced knockdown rates 30-45 g/ha
Soybean	None required	None required
Pigeon Pea	None required	None required
Peanuts	None required	None required
Fababeans	None required	None required
Cotton	1 month	None required
Sorghum	1 month	None required
Maize	1 month	None required
Navy Bean	1 month	None required
Chickpeas	1 month	None required
Field peas	1 month	None required
Mungbeans	2 months	None required
Sunflower	2 months	None required
Wheat	2 months	None required
Durum wheat	3 months	None required
Barley	3 months	None required
Triticale	3 months	None required
Oats	3 months	None required
Lupins	3 months	None required
Lentils	4 months	None required
Lucerne	6 months	None required
Canola	9 months	5 months

Note: Minimum 15 mm of rainfall required in addition to minimum time period for all residual rate re-cropping intervals (soybean, pigeon pea, peanuts and fababeans excluded).



Features and benefits

Features	Benefits
PPO group G mode of action	Excellent fit for resistance management
Short re-cropping intervals for most crops	Crop rotation and failed crop flexibility and peace of mind
Broad registration across a range of summer crops	Versatility of use with multiple opportunities to use throughout the year
Excellent UV stability	Peace of mind it will still work even if incorporating rains are delayed
Excellent compatibility	Confidence to mix with a variety of other products when required

Summer crop directions for use

Crop situation	Weeds controlled	Rate	Critical comments
<p>PRE- or POST SOWING pre-emergence</p> <p>Peanuts, soybean, pigeon pea</p> <p>Enhanced knockdown of vines and broadleaf weeds and residual control of vines broadleaf and grasses.</p>	<p><i>Amaranthus</i> spp.</p> <p>Barnyard grass (<i>Echinochloa colona</i>)</p> <p>Bladder ketmia (<i>Hibiscus trionum</i>)</p> <p>Bluetop/Billygoat weed (<i>Ageratum houstonianum</i>)</p> <p>Calopo (<i>Calopogonium mucunoides</i>)</p> <p>Caltrop/yellow vine (<i>Tribulus terrestris</i>)</p> <p>Crowsfoot (<i>Eleusine indica</i>)</p> <p>Feathertop Rhodes grass (<i>Chloris virgata</i>)</p> <p>Fleabane (<i>Conyza bonariensis</i>)</p>	Pre-sowing 210-280 g/ha	<p>Valor herbicide needs atleast 15 mm of overhead irrigation or rain to incorporate/activate, and therefore should preferably be applied during the main rainfall period when at least 15 mm of rain or irrigation is expected within 3 weeks.</p> <p>This 15 mm is also necessary after application and before planting cotton, maize, sorghum, navybean, sunflowers or mungbeans to improve crop safety. If existing weeds are present at >2 leaf stage then non-selective knockdown herbicides such as paraquat and glyphosate should be used at sufficient rates to control these in mixtures with Valor.</p>
<p>Post fallow</p> <p>PRE-SOWING burndown with residual weed control</p> <p>Cotton, maize, sorghum, navybean</p> <p>At least 1 months prior to sowing.</p> <p>Sunflower, mungbeans</p> <p>At least 2 months prior to sowing.</p>	<p><i>Ipomoea</i> spp. (Bell vine, Morning glory, Pink convolvulus, Star of Bethlehem)</p> <p>Milk/sow thistle (<i>Sonchus oleraceus</i>)</p> <p>Milkweed (<i>Euphorbia heterophylla</i>)</p> <p><i>Phyllanthus</i> spp.</p> <p>Red pigweed (<i>Portulaca oleracea</i>)</p> <p>Sicklepod (<i>Cassia obtusifolia</i>)</p> <p>Summer grass (<i>Digitaria ciliaris</i>)</p> <p>Square weed (<i>Spemacoce latifolia</i>)</p> <p>Wild rose (<i>Cleome aculeata</i>)</p>	Post sowing pre-emergent 210 g/ha 210-280 g/ha	<p>Heavy rainfall (>25 mm) and prolonged wet weather soon after sowing may cause temporary crop injury. This will be worse if application is delayed until seedlings are starting to germinate and crack through the soil. Application to peanuts, soybeans and pigeon pea should be made either prior to planting, or within 2 day of planting. For cotton, maize, sorghum, sunflower, mungbeans and navybean follow the recommended pre-plant interval. For winter crops follow the plant back intervals listed below (under 'Crop rotation recommendations').</p>

Read label for full details.

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Scan here to see more information about Valor 500WG Herbicide

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