

Ultra 50 WP

South Africa Reg. No: L 10453 Act/Wet No. 36 of/van 1947



A wettable powder post-emergent herbicide acting through the foliage to be used for the control of certain broadleaf weeds as listed in Soya beans.

ACTIVE INGREDIENT

Chlorimuron ethyl (sulfonyl urea) 500 g/kg

GROUP

2

HERBICIDE



DANGER

Causes mild skin irritation | Causes serious eye damage
Harmful if inhaled | Very toxic to aquatic life
Wash hands thoroughly after handling

Registration holder: Green Island Investments (Pty) Ltd.
Co. Reg. No.: 2013/043963/07
P.O. Box 1822, Heidelberg 1438, South Africa
Tel: 078 737 9236

24 HR EMERGENCY NUMBERS

Griffon Poison Information Centre: +27 82 446 8946
24 Hr Transport / Spill emergency no:
(Hazcall24) +27 86 044 4411 (Typhoon Plant Protection)

Distributed by: Typhoon Plant Protection (Pty) Ltd.
Co. Reg. No.: 1998/006156/07, C/O Farm Vlakfontein
Corner of the R23 Benoni Road & R550 Nigel Road
Brakpan District, Heidelberg 1438, Gauteng, South Africa
Tel: 078 737 9236

Net Volume:

ℓ

Expiry Date:
Batch No:
Date of Manufacture:
U.N. No. 3077

 **Typhoon**
PLANT PROTECTION



READ LABEL IN DETAIL BEFORE OPENING THE CONTAINER. FOR FULL PARTICULARS, SEE ENCLOSED LEAFLET.
KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Allow **60 days** between application of **ULTRA 50 WP** and harvest of soyabeans.

WARNINGS:

HAZARD STATEMENTS:

- May be harmful if swallowed.
 - May be harmful in contact with skin.
 - Causes mild skin irritation.
 - Causes serious eye irritation.
 - May be harmful if inhaled.
 - May cause damage to organs (respiratory irritation) through single exposure.
 - Very toxic to aquatic life.
 - Very toxic to aquatic life with long lasting effects
-
- Avoid contact with eyes, mucous membranes and skin as this may result in irritation
 - Keep out of reach of children, uninformed persons and animals.
 - Store in the original container in a cool, dry, well-ventilated place out of direct sunlight.
 - Store away from food and feeds.
 - **Do not** exceed the recommended dosage rate as damage to the crop may result. Water logging and lengthy periods of cold and or wet conditions, prior, during or after application may result in yellowing /stunting and in **ULTRA 50 WP** cases even damage to the crop.
- Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.
- **Do not** allow spray or spray- drift to contaminate any water body or adjacent areas.
 - Overdosing or spraying at the incorrect crop growth stage may result in crop damage.

Although this herbicide has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect therefore may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Wash hands and face thoroughly after handling.
 - Wash hands thoroughly after handling. **Do not** touch eyes.
 - **Do not** eat, drink or smoke when using this product.
 - Use only outdoors or in a well-ventilated area.
 - Avoid release into the environment.
 - Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
 - In case of inadequate ventilation wear respiratory protection.
 - **IF SWALLOWED:** Immediately call a **POISON CENTER**.
 - **IF SWALLOWED:** Get emergency medical help immediately.
 - **IF ON SKIN:** Wash with plenty of water and non-abrasive soap.
 - **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
 - **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Immediately call a **POISON CENTER**.
 - Collect spillage.
 - Store in a well-ventilated place. Keep container tightly closed.
 - Store locked up.
 - Dispose of content/container to suitable landfill in accordance with local regulations.
- Spray equipment cleaning: After using, the application spray equipment must be thoroughly rinsed and cleaned in an open, well ventilated area before re-use – proceed as follows:
- i. Drain the tank and spray equipment completely and flush the entire system with clean water for 10 minutes;
 - ii. Fill the spray tank with clean water and add 1.0 l of household ammonia (contains 3%) for every 100 l water. With continual agitation, flush the spray system for at least 15 minutes and then drain completely;
 - iii. Repeat steps (ii).
 - iv. Rinse the spray tank and entire system with clean water.
 - v. Remove nozzles and all filters and clean them separately with the above (ii) cleaning mixture.
 - vi. Remove any contamination on the outside of spraying equipment by rinsing with clean water.
- Dispose of cleaning water where it will not contaminate plants nor where their roots may extend.
- Do not** use chlorine containing cleaning agents

Related ingredients:

Substance name (IUPAC)	CAS - No.	Concentration % By weight
	EC - No.	
Chlorimuron-ethyl	90982-32-4	50%
Light calcium carbonate	471-34-1	35-40%

FIRST AID TREATMENT:

Inhalation: Remove source of contamination or move patient to fresh air. Keep patient under observation and obtain medical attention if necessary.

Skin contact: If irritation occurs, remove contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap.
If irritation persists, obtain medical assistance.

Eye contact: Immediately flush the contaminated eyes with gently flowing clean water for 20 minutes, holding the eyelid(s) open until no evidence of chemical remains. If irritation persists, obtain medical assistance.

Ingestion: Have patient rinse mouth thoroughly with water. **Do not induce vomiting.** In severe cases, obtain medical advice immediately.

RESISTANCE WARNING

Ultra 50 WG is a **Group code 2 herbicide**. Any weed population may contain individuals naturally resistant to **Ultra 50 WG** and other **Group code 2 herbicides**. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **Ultra 50 WG** or any other **Group code 2 herbicide**.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes,
- Integrate other control methods (chemical, cultural, biological) into weed control programmes.

For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS:

- Follow up crops: Treated areas may be planted to soyabeans any time following an **ULTRA 50 WP** application. Wheat may not be planted within 3 months of an **ULTRA 50 WP** application. All other crops may not be planted within 9 months of **ULTRA 50 WP** application. Longer residual activity may result on soils with a pH (water) exceeding 7, soils containing free lime or lime application within 12 months of an **ULTRA 50 WP** application. Consult your supplier or the registration holder in the event of uncertainty.
- Timing of Application: **Do not** apply to soyabeans before the true trifolate (3 true leaves) stage. Refer to weed list for optimum weed leaf stage at application.
- Factors affecting weed control: Weeds must be sprayed before they reach the maximum allowed leaf stage – failing this a second application 14-21 days later may be necessary. Any factor adversely affecting weed activity eg. cold, dry, hot, wind, hail, water logging, insect damage, disease etc. directly prior, during or after application may result in unsatisfactory weed control.
Delay application until onset of normal growing conditions.
- Temporary yellowing of growth point and youngest leaves and sometimes leaf crinkling of the crop may be noted following an **ULTRA 50 WP** application. This is most likely to occur following unfavourable growing conditions or crop sprayed before 3rd trifolate stage. However, under favourable growing conditions the crop will rapidly recover and yield will not be affected. **Do not** use **ULTRA 50 WP** on soils with a pH (water) of more than 8 as crop damage may result.

- **DO NOT USE ULTRA 50 WP** under the following conditions:
 1. If rain is expected within 1 hour after spraying.
 2. If **ULTRA 50 WP** weather conditions are imminent or forecasted in the near future.

DO NOT mix **ULTRA 50 WP** with organophosphate insecticides

DO NOT apply **ULTRA 50 WP** more than twice in the same land, per season.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Each water soluble sachet contains a pre-weighed amount of product for a specified number of hectares. The sachet should only be handled by keeping it dry until dropping it as a whole unit into the required amount of water for pre-mixing and then added to the spray tank. **Do not** spill water onto soluble bags that will not be used immediately.

General:

- Apply **ULTRA 50 WP** as a post emergent spray of both crop and weeds.
- Weeds should be sprayed before but not later than the optimum leaf stage (refer to application table).
- Although weeds will stop developing soon after an **ULTRA 50 WP** application maximum visual effect of the herbicide may only occur 20-28 days after application.
- The addition of a buffer and a wetter to the spray mixture is essential.
- Ensure adequate soil moisture in the root zone of weeds is available. Broadleaf weeds which germinate after the application of **ULTRA 50 WP** may not be adequately controlled.

Compatibility:

For compatibility with any other agricultural remedy or micronutrients first consult your supplier or the registration holder.

Quality of Dilution Water:

Use only water of which the quality is suitable for overhead irrigation. Avoid using water with high chlorine content. **Do not** use water of which the conductive potential exceeding 1,0 ms/cm, or has a resistance lower than 300 ohm, or if the pH is greater than 8. **Do not** use muddy or rain runoff water which may have clay or other particles suspended therein.

Mixing

Instructions:

Mix the required amount of **ULTRA 50 WP** water soluble sachets with a small amount of water to form a smooth cream. Half fill the spray tank, or pre-mix tank in the case of aerial application, with water.

Add the buffer, agitate and then add all the creamed product through a sieve.

Top up with water to 75% of the required volume while agitating continuously and proceed as follows:

Ground Application: (eg. Tractor sprayer 110-250ℓ/ ha): Add the water up to 95% and then add the required amount of recommended adjuvant to the spray mixture.

Fill the spray tank and wait until thoroughly mixed before application.

Aerial Application: (eg. by aircraft minimum 30ℓ / ha.): Follow the same mixing procedure as for ground application up to 90% of the required amount spray mixture and then proceed as follows:

Top up to 95 % and then add the required amount of recommended adjuvant to the spray mixture and allow to agitate for two minutes, so as to ensure thorough mixing before the mixture is pumped into the aircraft.

Note: Ensure that thorough agitation of the spray mixture is maintained at all times.

Note: Under no circumstances should unused spray mixture overnight or stay for longer than 6 hours in the spray or mixing tank. Spray mixture must be used within 6 hours depending on the pH of the spray mixture. The higher the pH of the spray mixture, the sooner the spray mixture must be used.

APPLICATION:

A. Ground application

- Apply by means of a tractor mounted boom sprayer which is correctly calibrated to deliver at least 110-250 litre spray mixture per ha at a constant speed and pressure (100 – 200 kPa) to ensure even distribution.
- Avoid overlapping of spray mixture and close nozzles during slow movement eg. turning, to prevent over-application.
- **Do not** spray when the relative humidity is less than 45%.

B. Aerial Application

Aerial application of **ULTRA 50 WP** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 0118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 30 l per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 30 to 40 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 250 to 280 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. **Do not** spray when aircraft dives, is in a climb or when banking
- Use suitable **atomising equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the **wingtip vortices**.
- The difference in **temperature** between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the **wind** speed exceeds 15 km/h.
- Stop spraying under **turbulent**, unstable and dry conditions during the heat of the day.
- Spraying under temperature **inversion conditions** (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

GENERAL:

- Apply as a post-emergence application when the crop is at least in the 3-leaf to pre-flowering stage.
- Established weeds which have not been controlled by cultivation or weeds that show signs of regrowth will not be controlled.

Table 1:

The following weed species are normally controlled if sprayed from the seedling stage up to the leaf stage as indicated. Application beyond the optimum leaf stage will only provide suppression of the weeds and may necessitate a 2nd application $\pm$ 21 days later.

PRODUCT AND RATE	BOTANICAL NAME	COMMON NAME	OPTIMUM LEAF STAGE
Ground and aerial application / ha 17,5g ULTRA 50 WP	<i>Amaranthus spp</i>	Pigweed	6
	<i>Bidens bipinnata</i>	Spanish Black jack	4
	<i>Bidens pilosa</i>	Black jack	4
	<i>Cleome monophylla</i>	Spindlepod	4
	<i>Coronopus didymus</i>	Swinecress	4
	<i>Cosmos bipinnatus</i>	Cosmos	4
	<i>Datura ferox</i>	Large thorn apple	4
	<i>Datura stramonium</i>	Thorn apple	4
	<i>Leucas martinicensis</i>	Tumble weed	4
	<i>Nicandra physaloides</i>	Apple-of-Peru	4
	<i>Raphanus raphanistrum</i>	Wild radish	4
	<i>Richardia brasiliensis</i>	Mexican clover	4
	<i>Schkuhria pinnata</i>	Dwarf marigold	4
	<i>Solanum nigrum</i>	Black nightshade	4
	<i>Tagetes minuta</i>	Tall khaki weed	4
	<i>Triumfetta spp</i>	Klitsbossie	4
	<i>Xanthium strumarium</i>	Cocklebur	6

WEEDS WHICH ARE VARIABLY CONTROLLED:

<i>Commelina benghalensis</i>	Wandering Jew	<i>Ipomoea purpurea</i>	Morning glory
<i>Cyperus esculentus</i>	Yellow nutsedge	<i>Tribulus terrestris</i>	Common dubbeltjie

Note: A second application 14-21 days later will improve control of weeds listed under variably controlled weeds as well as new germinating weeds and weeds which were not adequately controlled with first application.

