

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Herbicide



ELEGANCE 500 WP

Reg. No. L 7035 Act/Wet No. 36 of/van 1947

5:27/2013 - Nov2018

A wettable powder post-emergence herbicide packed in water soluble sachets, for the control of weeds as indicated in soybeans and sugarcane.

'n Benatbare poeier na-opkomsmonkruidoder, verpak in wateroplosbare sakkies, vir die beheer van onkruid soos aangedui in sojabone en suikerriet.

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

chlorimuron-ethyl (sulfonyl urea) **500 g/kg** chlorimuron-etiel (sulfonielureum)

HRAC HERBICIDE GROUP CODE **B** HRAC ONKRUIDDODER GROEPKODE

10 x 18 g

water-soluble sachets / wateroplosbare sakkies

villa

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

PO Box / Posbus 10413, Aston Manor, 1630

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UN Number: Not Regulated

Willow Set & Print 011 394-4486



CAUTION
VERSIGTIG



GERUIGSAANWYSINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleeringsdatum:

DIRECTIONS FOR USE ENCLOSED
REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:
Lothommer:

ELEGANCE 500 WP

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chlorimuron-ethyl (sulfonyl urea) / chlorimuron-etiel (sulfonielureum)500 g/kg

Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413, KEMPTON PARK, 1620

Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS**

- **Withholding period:** Allow **60 days** between the last application and harvest of soybeans.
- May irritate eyes, nose, throat and skin.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool, dry place.
- Store away from food and feeds.
- Excessive dose rates, exceeding recommended rates, may damage the crop with resultant lower yields.
- Under prolonged cool and wet conditions, following application, leaf chlorosis (yellowing) and retarded growth of the crop may occur. This is usually of temporary nature not affecting yield.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

Aerial Application:

Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.

ELEGANCE 500 WP is a highly active herbicide that in small quantities, when used incorrectly, can cause serious damage to crop seedlings, deciduous fruit trees and grape vines during the budding- and early season growth stages. Under the following conditions it can cause serious damage as far as 3 to 5 km from the nearest spray path of the aircraft: Cloudy weather with relative humidity above 80 % and low air movement of less than 5 km per hour. When such conditions prevail, aerial application should NOT be carried out where crop seedlings, deciduous fruit trees and grape vines in budding or early development stages are present within 5 km of the nearest spray path of the aircraft.

Do not spray over, or allow drift to contaminate water or areas not under treatment.

Although this remedy 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 thereof 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 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 label instructions or to the occurrence of conditions, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Keep the soluble sachets dry at all times – until mixing takes place.
- Wear protective clothing when mixing the product i.e. an overall, rubber gloves and a face shield.
- Do not inhale the spray mist.
- Wash with soap and water after use or after accidental skin contact.
- In case of eye contact, immediately flush with water.
- Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst mixing and applying or before washing hands and face.
- Avoid spray drift onto other crops, grazing, rivers, dams and areas not under treatment.
- **Cleaning of Application Equipment:** Special attention and care must be taken with cleaning of all equipment used in the mixing and application of **ELEGANCE 500 WP** – before using it for applications in other crops:

1. Drain spray tank and rinse thoroughly with ample water. Flush the pipes, boom and nozzles of applicator with the water.
 2. Drain the spray tank again and fill with clean water.
 3. Add household ammonia to water in spray tank – 1 litre for every 100 litres water.
 4. Bleed the system, to ensure that all pipes, booms and nozzles are filled with the ammonia solution.
 5. Leave the ammonia solution in the applicator for at least one hour.
 6. Drain the spray tank and pipe system completely.
 7. Repeat steps 2 to 6.
 8. Remove ammonia residues by flushing the system with clean water.
 9. Contamination on mixing equipment must also be washed with ammonia solution, whilst those on the outside of equipment can be washed with water.
- **Do not** dispose of the wash water where it will contaminate crops, grazing, boreholes, rivers or dams and away from the root zone of desirable plants.
 - Destroy the empty container/bag by perforation and dispose of it in a safe and responsible way.
 - **Never** re-use for any other purpose.
 - Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING

ELEGANCE 500 WP is a group code B herbicide. Any weed population may contain individuals naturally resistant to **ELEGANCE 500 WP** and other group code B herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **ELEGANCE 500 WP** or any other group code B 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.

To delay the selection of resistant weeds:

- Integrate tillage or other mechanical control methods (including non-selective herbicides during the fallow period) into weed programmes whenever practical.
- Avoid repeated use of herbicides of the same mode of action groups. Plan crop rotations to allow the use of herbicides from different mode of action groups.
- Maintain herbicide records for each field to prevent repeated use of the same herbicide on the same field.
- Prevent movement of resistant weed seeds and vegetative material to other fields by cleaning harvesting and tillage equipment and by planting clean seed.
- Inspect each land annually to identify the development of resistance early.
- If the above-mentioned preventative measures are not strictly adhered to, the registration holder cannot be held responsible should **ELEGANCE 500 WP** fail to control resistant weeds.

NOTE

Sub-standard applications will lead to unsatisfactory control and assist in the development of resistance. For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS

The use of **ELEGANCE 500 WP** is restricted to soybean and sugarcane cultivation.

Do not apply **ELEGANCE 500 WP** before the 3rd soybean trifoliolate opens or not later than 60 days before soybean maturity.

Follow-up crops after soybeans:

Treated areas may be planted, after the following pre-plant intervals:	
Soybeans	None
Wheat	3 months
Any other crop	9 months

Follow-up crops after sugarcane:

- Only soybeans and sugarcane can be planted within 18 months after treatment with **ELEGANCE 500 WP**.

- Soils with pH levels of 7.0 (H₂O) or higher and/or soils containing trace lime and/or where more than one application was performed, may result in longer residual activity of **ELEGANCE 500 WP**, with regard to follow-up crops. Two applications per growing season are not recommended.
- **Erratic control and re-growth** of weeds may occur under any of the following conditions:
 1. The residual effect of **ELEGANCE 500 WP** may be erratic on certain weed species and/or on high adsorptive soils and/or under dry, hot conditions.
 2. When weeds are not sprayed at the correct growth stage.
 3. When rain occurs after application, before the spray deposit has dried off.
- Application rates exceeding recommended rates may damage the crop, with resultant lower yields.
- **Crop stress conditions:** Do not apply **ELEGANCE 500 WP** when crop is growing under any stress condition, e.g. water logging, very cold and wet conditions, drought, disease, insect damage and nutritional deficiencies.
- **DO NOT** apply **ELEGANCE 500 WP** more than twice in a growing season on the same crop.
- **Water quality:** Use only water of good quality as suitable for irrigation, i.e. neutral pH and without excessive salts/chemicals.
- **Do not** leave excess spray mixture overnight for later use.

COMPATIBILITY

- **ELEGANCE 500 WP** is compatible with **Slash Plus 540 SL, Slash 710 SG** and **Velocity®-Drymax**.
- Crop safety of certain tank mixtures must be tested prior to application.
- Always add a registered surfactant/penetrant at the recommended rate to **ELEGANCE 500 WP** treatments.
- **Do not** use **ELEGANCE 500 WP** in mixture with organophosphate insecticides.
- **ELEGANCE 500 WP** is compatible with seaweed extracts.
- **ELEGANCE 500 WP** is compatible with **Diuron**.

DIRECTIONS FOR USE: Use only as indicated.

Pre-mixing:

- Do not handle the soluble bags with wet gloves.
- Calculate the number of sachets needed according to number of hectares to be treated and the capacity of the spray tank.
- Add the sachets into a bucket with water and mix, to ensure total disintegration of the sachets and full dispersing of the contents in the water.
- Add **this** concentrate to the spray tank whilst agitating the spray mixture.

Mixing instructions:

- Half fill the spray tank with water.
- Add the dispersed mixture to the tank through a sieve.
- Rinse the pre-mixing bucket with water into the spray tank.
- Add the required amount of suitable surfactant/penetrant and then the partner herbicide in the same manner.
- Top up to the required volume while agitating continuously.

APPLICATION

Crop tolerance to **ELEGANCE 500 WP** depends on crop variety differences and growth stage.

Soybeans:

- A full cover spray is recommended.
- Apply **ELEGANCE 500 WP** post-emergence, usually within 2 to 4 weeks after planting, on emerged weeds within the correct growth stages, as indicated.
- **ELEGANCE 500 WP** is packed in soluble sachets, to ensure accurate doses. One (1) sachet contains 18 g product, which is sufficient to treat 1 hectare.

Sugarcane:

A directed inter-row application is recommended to minimize deposits of **ELEGANCE 500 WP** on the cane crop.

- For use on both plant cane and ratoon cane.
- Apply **ELEGANCE 500 WP** post-emergence on weeds within the correct growth stages as indicated.
- **ELEGANCE 500 WP** is packed in soluble sachets, to ensure accurate doses. Five (5) sachets of 18 g product are sufficient to treat 1.5 hectare.

Ground application:

- Apply 150 to 500 litres spray mixture per hectare at a constant operating pressure of 150 to 300 kPa and constant ground speed.
- Ensure an even coverage of the target area, using boom fitted with solid or hollow cone nozzles.
- Prevent overdosing by avoiding overlapping of swaths and spraying whilst moving at speeds below the constant calibration speed and/or stopping.

Aerial application (SOYBEANS ONLY):

Aerial application of **ELEGANCE 500 WP** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (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 to 35 litres 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 300 to 350 micron is recommended. Limit the production of fine droplets less than 150 micron (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 per hour.
- 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:
 - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
 - b) 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.

APPLICATION RATES

1.1 SOYBEANS

Table 1.1

<i>Crop</i>	<i>Dosage rate per hectare</i>
Soybeans (Full cover spray)	<p>Ground application: 18 g / ha (1 sachet per hectare)</p> <p>PLUS</p> <p>a suitable surfactant/penetrant</p>
	<p>Aerial application: As for Ground application</p> <p>PLUS</p> <p>an anti-drift agent or anti-evaporant</p>

REMARKS

- Best weed control results are obtained when applications coincide with optimal growing conditions, when weeds are growing actively under ideal moisture regimes. Apply as a post-emergence application to young weeds which are not exceeding the growth stages given in the Table below.
- **DO NOT** use **ELEGANCE 500 WP** when crop is growing under stress conditions.
- Refer to “**Use Restrictions**” and pay attention to limitations of the product in terms of:
 - Controlling large weeds
 - Crop stress conditions
 - Erratic control and re-growth of weeds.
 - Pre-plant intervals of follow-up crops.
 - Compatibility with other products.
 - Quality of water used in applications.

1.2 GLYPHOSATE TOLERANT SOYBEANS ONLY

Table 1.2 Improved control of Yellow nutsedge and certain broadleaf weeds.

<i>Weed situation</i>	<i>Dosage rate</i>		<i>Stage of weed growth</i>	
18 g per hectare ELEGANCE 500 WP				
PLUS				
	Slash Plus 540 SL	OR	Slash 710 SG	
<u>Annual grasses and broad leaf weeds:</u>	1.3 d/ha		1.0 kg/ha	Apply before 100 mm height or 8-leaf stage.
	1.7 d/ha		1.3 kg/ha	Apply between 100 and 200 mm or up to the 12-leaf stage.
<u>Difficult to control species requiring a follow-up spray (variable control*):</u> Wandering Jew* <i>Commelina benghalensis</i>	2.0 d/ha		1.5 kg/ha	Apply at the 3-leaf stage; follow up with 2.0 litres per hectare 10 to 20 days later.
Morning glory* <i>Ipomoea purpurea</i>				Apply at the 4- to 5- leaf stage; follow up with 2.0 litres per hectare 10 to 20 days later.
Common purslane*				Apply before flowering.

Weed situation	Dosage rate		Stage of weed growth
<i>Portulaca oleracea</i>			
Devil's thorn <i>Tribulus terrestris</i>			Apply before first flowers appear.
Difficult to control biennial and perennial weed species: Yellow nutsedge (<i>Cyperus esculentus</i>)	2.0 l/ha	1.5 kg/ha	Apply at the 3- to 4-leaf stage; follow up with 2.0 litres per hectare, 10 to 20 days later.
<i>Conyza</i> spp.			Apply before 8-leaf stage
NOTES			
<ul style="list-style-type: none"> • ABOVE-MENTIONED TANK MIXTURES OF ELEGANCE 500 WP PLUS GLYPHOSATE PRODUCTS MAY NOT BE APPLIED AERIALLY. • Add Velocity®-Drymax at 1.0 % (1.0 kg per 100 litres water) to all tank mixtures of ELEGANCE 500 WP plus Slash Plus 540 SL or Slash 710 SG. • Consult the Slash Plus 540 SL or Slash 710 SG labels for WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE. 			

2. SUGARCANE

Table 2.

Sugarcane (Directed inter-row application)	<p>Ground application: 60 g / ha (5 sachets per 1.5 hectare)</p> <p>PLUS</p> <p>a suitable surfactant/penetrant</p>
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- **ELEGANCE 500 WP** is compatible with **Diuron 800 SC** at rates registered for mixtures, i.e. 2.5 litres per hectare, to obtain pre-emergence grass control and prolonged residual weed control.
- Best weed control results are obtained with applications, when weeds are growing actively under ideal moisture regimes.
- Apply to young weeds not exceeding the 4-leaf stage.

WEEDS CONTROLLED

BROADLEAF WEED SPECIES NORMALLY CONTROLLED BY ELEGANCE 500 WP AT RECOMMENDED RATES		
Botanical name	Common name	Maximum true leaves Growth stage at application
<i>Amaranthus hybridus</i>	Common pigweed	4
<i>Amaranthus thunbergii</i>	Red pigweed	4
<i>Bidens pilosa</i>	Black jack	4
<i>Datura ferox</i>	Large thorn apple	4
<i>Datura stramonium</i>	Thorn apple	4
<i>Leucas martinensis</i>	Bobbin weed (Tumbleweed)	4
<i>Nicandra physaloides</i>	Apple-of-Peru	4
<i>Richardia brasiliensis</i>	Tropical Richardia	4
<i>Solanum nigrum</i>	Deadly nightshade	4
<i>Tagetes minuta</i>	Khaki weed	4
<i>Xanthium stumarium</i>	Cockle bur	6 (minimum 1 true leaf)

WEEDS VARIABLY CONTROLLED BY ELEGANCE 500 WP AT 18 g per hectare	
Botanical name	Common name
<i>Commelina benghalensis</i>	Benghal wandering Jew
<i>Cyperus esculentus</i> *	Yellow nutsedge *
<i>Ipomoea purpurea</i>	Morning glory
<i>Tribulus terrestris</i>	(Devils thorn) Dubbeltjie

REMARK

* *Cyperus esculentus* (Growth stage 5) is well controlled at 60 g per hectare.

WEEDS NOT CONTROLLED	
Botanical name	Common name
<i>Cyperus rotundus</i>	Purple nutsedge
Various spp.	Grass species
<i>Portulaca oleracea</i>	Purslane

The following products mentioned in this label may be replaced with the following equivalent products:

- **SLASH PLUS 540 SL** (L 8819) = **PANGA PLUS 540 SL** (L 8818) = **LYNCH PLUS 540 SL** (L 8816) (Glyphosate),
- **SLASH 710 SG** (L 8450 / W 130058) = **GLYGRAN 710 SG** (L 8449) = **LYNCH 710 SG** (L 8670) (Glyphosate) and
- **VELOCITY®-DRYMAX** (L 9454 / N-AR 1528 / W 130995) = **AMS-GRANULE** (L 9610).

SLASH PLUS 540 SL and/en **SLASH 710 SG** are registered products of / is geregistreerde produkte van **UNIVERSAL CROP PROTECTION (PTY) LTD.**

PANGA PLUS 540 SL, **GLYGRAN 710 SG**, **AMS-GRANULE** and/en **VELOCITY®-DRYMAX** are registered products of / is geregistreerde produkte van **VILLA CROP PROTECTION (PTY) LTD.**

LYNCH PLUS 540 SL and/en **LYNCH 710 SG** are registered products of / is geregistreerde produkte van **CROPASURE (PTY) LTD.**