

DIRECTIONS FOR USE ENCLOSED

Batch number: REFER TO DETAILS PRINTED ON CONTAINER/BAG  
Lotnummer:

GEBRUIKSAANWYSYNGS INGESLUIT

Date formulated: VERWYS NA BESONDERHEDE  
Formuleringsdatum: GEDRUK OP HOUER/SAK

1\_13/2/2013 - Feb2013



# CHARGE

Reg. No. L 9100 Act/Wet No. 36 of/van 1947

*A non-ionic adjuvant with spreading and penetrating properties recommended for the use with pesticides and plant nutrients.*

*'n Nie-ioniese benatter met verspreidings en penetreer eienskappe aanbeveel vir gebruik met plaagdoders en plantvoedingstowwe.*

## ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

polyether-polymethylsiloxane-copolymer **1000 g/l** polieter-polimetrielsiloksaan-kopolimeer



Registration holder / Registasiehouer: Villa Crop Protection (Pty) Ltd.  
Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.  
PO Box / Posbus 10413, Aston Manor, 1630 Tel. (011) 396-2233  
Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

**UN Number: 3082**

Willow Set & Print 011 394-4486



CAUTION  
VERSIGTIG



**CHARGE**

Reg. No. L 9100 Act/Wet No. 36 of/van 1947

**ACTIVE INGREDIENTS / AKTIEWE BESTANDELE:**

polyether-polymethylsiloxane-copolymer / polieter-polimetielsiloksaan-kopolimeer ..... 1000 g/l

Registration holder / Registrasiehouer:

**VILLA CROP PROTECTION (PTY) LTD.**

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

PO Box/Posbus 10413

ASTON MANOR, 1630

Tel. (011) 396 2233

**CAUTION / VERSIGTIG****WARNINGS**

- Treat **CHARGE** with care.
- Harmful when swallowed or inhaled.
- Harmful in case of contact with skin and eyes. May cause severe irritation when in contact with eyes and may cause mild irritation to skin, lungs and stomach.
- Keep out of reach of children, uninformed persons and animals.
- Store under lock and key in a cool, dry place away from food and feedstuffs.
- Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **In case of poisoning call a physician and make this label available to him/her.**

**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 climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, 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**

- Consult the label of the product of concern that **CHARGE** is to be used with. All the “**WARNINGS**” of the product that **CHARGE** is to be used with, is applicable and must be followed.
- Read the labels of concern carefully before the products are applied as a tank mixture.
- Avoid inhalation of the spray mist, skin contact and splashes into eyes.
- Wear protective clothing: eye protection, overall, rubber boots and rubber hand gloves when the product is applied.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator before using it for other remedies. Dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the container by perforation and flattening and dispose of it in a safe way.
- **Do not** re-use the empty container for any other purpose.
- Do not eat, drink or smoke whilst mixing, applying the product or before washing hands and face or change of clothing.
- Avoid contamination of food, feeds, drinking water and eating utensils.

**DIRECTIONS FOR USE: Use only as directed.****Product Information:**

**CHARGE** is based on organo-modified siloxane technology for use with agro-chemicals. **CHARGE** is a highly effective non-ionic surfactant / spreader / wetter / penetrant. Careful observation of spray application

is recommended to determine proper and efficient pesticide application. This will optimize the pesticide and surfactant load levels. Read **WARNING** statements carefully before use.

Pesticide manufacturers may recommend a rate of non-ionic surfactant to be used with their product. Follow the pesticide label recommendations on the use of the surfactant. However, if the product label does not have a specific surfactant rate recommendation, **CHARGE** is recommended at the dosage rates indicated in the Application Rates table.

**Mixing Instructions:**

- Fill the spray tank 2/3 to 3/4 full of water. Commence agitation.
- If foaming is anticipated add an anti-foaming agent before the agrochemical and **CHARGE**.
- Add the recommended quantity of product to the spray tank while agitating.
- Then add **CHARGE** and fill the spray tank with water to the required level, while maintaining agitation, to ensure thorough mixing before spraying.
- Maintain agitation during the spraying process.

**APPLICATION RATES**

<b>Product &amp; Crop</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b><u>Herbicides</u></b>	150 to 200 ml / ha <b>OR</b> 0.025 % to 0.1 %	Consult the product label for the full details regarding “ <b>WARNINGS</b> ” and “ <b>DIRECTIONS FOR USE</b> ”. The higher rate is used for “difficult to wet” weeds.
<b><u>Insecticides and Fungicides</u></b> Row crops including all cereal crops and sugarcane	100 to 250 ml / ha <b>OR</b> 0.025 % to 0.1%	Consult the product label for the full details regarding “ <b>WARNINGS</b> ” and “ <b>DIRECTIONS FOR USE</b> ”.
<b><u>Tree crops</u></b> Pome fruit, Stone fruit, Nuts, Olives, Vines	250 ml / ha	Use the recommended dosage irrespective of water volume. Adjust concentration according to water volume used.
Sub-tropical fruit	250 ml / ha	Use the recommended dosage irrespective of water volume. Adjust concentration according to water volume used.
Citrus	3 to 5 ml / 100 ℓ (with a maximum of 500 ml / ha)	Adjust concentration according to water volume used.
Horticultural crops and Ornamentals	250 ml / ha	Use the recommended dosage irrespective of water volume. Adjust concentration according to water volume used.
<b><u>Plant Growth Regulators</u></b>	25 to 50 ml / 100 ℓ	Avoid run-off of spray. Do not exceed a maximum of 500 ml <b>CHARGE</b> per hectare. Consult specific product labels for specific <b>RECOMMENDATIONS</b> .
<b><u>Defoliants</u></b>	100 to 200 ml / ha	Use the recommended dosage irrespective of water volume.
<b><u>Foliar Applied Micro Nutrients</u></b> Row crops including all cereal crops and sugarcane	100 to 200 ml / ha <b>OR</b> 0.025 % to 0.1 %	Use the recommended area dosage irrespective of water volume <b>UNLESS</b> otherwise specified per product label.
<b><u>Tree crops</u></b> Pome fruit, Stone fruit, Nuts, Olives, Vines	250 ml / ha	Use the recommended dosage irrespective of water volume. Adjust concentration according to water volume used.
Sub-tropical fruit	250 ml / ha	Use the recommended dosage irrespective of water volume. Adjust concentration according to water volume used.
Citrus	3 to 5 ml / 100 ℓ (with a maximum of 500 ml / ha)	Adjust concentration according to water volume used.
Horticultural crops (such as vegetables) and Ornamentals	250 ml / ha	Adjust concentration according to water volume used.
<b><u>Calcium Nitrate sprays for Bitter pit control on Apples</u></b> Use Calcium Nitrate in its granular or liquid form	100 ml / ha	Use the recommended dosage irrespective of water volume. Adjust concentration according to water volume used.
<b><u>Golf &amp; Turf</u></b> As a soil wetting agent	1 to 1.5 ℓ / ha	Apply prior to irrigation either with a boom sprayer or through the irrigation system. Repeat at 14 day intervals.
Spot treatment of hydrophobic areas	30 ml / 100 m <sup>2</sup>	Irrigate immediately after application.