

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Adjuvant



PH-LOGIC

Reg. No. L 9028 Act/Wet No. 36 of/van 1947

1: 12/4/2017 – April 2017

A pH buffer for use with alkaline-sensitive agro-chemicals or agro-chemicals that require the use of a buffer.

'n Buffer vir gebruik met alkalies-sensitiewe landbouchemikalieë of landbouchemikalieë wat die gebruik van 'n buffer benodig.

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

mixed organic acid buffer system **580 g/l** gemengde organiese suur buffersisteem



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: 2790

Willow Set & Print 011 394-4486



CAUTION
VERSIGTIG



GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

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

Batch number:
Lotnommer:

PH-LOGIC

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ACTIVE INGREDIENTS / AKTIEWE BESTANDEDELE:

mixed organic acid buffer system / gemengde organiese suur buffersisteem..... 580 g/l

Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07

PO Box 10413,

ASTON MANOR, 1630,

Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS**

- Observe all “**warnings that apply to**” the product(s) with which **PH-LOGIC** is to be used.
- May cause severe skin and eye irritation.
- **PH-LOGIC** is corrosive.
- Product is a Marine pollutant.
- Store in a cool, dry, well-ventilated place away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

Although this remedy has been extensively tested under a wide variety of conditions, the registration holder does not warrant that it will be efficacious, 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, 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 for any reason whatsoever or for lack of performance of the remedy concerned, due to failure of the user to follow the 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

- Avoid inhalation of the spray mist.
- Avoid eye and skin contact.
- Wear rubber gloves and a face shield when handling the concentrate.
- Wash with soap and water after use or accidental skin contact.
- Clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, 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 a third of the volume of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

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

- The pH of the spray water influences the stability of agro-chemicals. High pH values can cause “alkaline hydrolysis” which is the degradation of the agro-chemical at high pH values. This means that a measurable amount of product can decompose to an inactive form.
- For most agro-chemicals, the optimum pH range is 4 to 6 (slightly acidic).
- **PH-LOGIC** ensures that the pH of the tank mix is between pH 4.0 and 6.0 (typically 4.5 to 5.5).
- Unlike when using concentrated acids to correct alkaline waters, there is no danger of very low pH values occurring if an overdose of **PH-LOGIC** is administered. **PH-LOGIC** is also a buffer which means that it will buffer the pH at the required range and will resist a change in pH.

Compatibility:

- The acidification of water for use with certain copper and lime sprays (e.g. Lime sulphur), is **NOT recommended**.
- Please consult individual agro-chemical labels for specific buffering requirements.
- Mix **PH-LOGIC** with the spray water before adding chemicals.

APPLICATION RATES

<i>Product</i>	<i>Dosage Rate**</i>	<i>Remarks</i>
<u>Agro-chemicals that require a spray mixture pH of 4 to 6</u>	0.04 % to 0.1 % (40 to 100 ml PH-LOGIC / 100 l spray mixture)	Consult the specific agro-chemical product label for the full details regarding WARNINGS and DIRECTIONS FOR USE .

** The above-mentioned rates will be sufficient for the vast majority of spray carrier water in South Africa. In certain extreme cases, the buffering capacity of spray carrier water may be of such a nature that higher PH-LOGIC rates may be required. If a water analysis is available of such water, Farmkem Speciality Products can recommend a specific rate that may be higher than 0.1 %. Please consult your Farmkem Speciality Products representative for more information and rate selection.