

HYGROBUFF 4

A concentrated liquid adjuvant used for the optimising of spray tank pH, increasing the compatibility of various pesticides and foliar feeds when applied in cocktails while also acting as a wetting agent.

'n Gekonsentreerde vloeistof hulpmiddel wat die pH waarde van spuitmengsels optimiseer; die mengbaarheid van verskeie plaagbeheermiddels en blaarvoedingsmiddels in die spuittenk verbeter en dien ook as 'n benatter.

ACTIVE INGREDIENTS / AKTIEWE BESTANDELE:

Alkylaryl Polyoxyethylene – Glycol Phosphate ester /		
Alkielariel-Polioksietileen – Glikolfosfaat ester.....	85	g/L
Organic acid buffer system / Organiese suurbuffersisteem.....	497	g/L

Reg. No. / Nr. L5512

Act / Wet 36/1947

WARNINGS

Harmful if swallowed. Contact may cause eye damage and skin irritation. Store away from food and feed. Harmful to fish. Keep out of reach of children and uninformed persons.

PRECAUTIONS

Avoid contact with eyes and skin. Wear protective clothing and rubber gloves. In case of eye contact, immediately flush eyes with sufficient water for at least 15 minutes. If swallowed induce vomiting and get prompt medical attention. Do not eat, drink or smoke whilst mixing or spraying or before washing hands and face. Wash with soap and water immediately after accidental skin contact. Wash contaminated clothing. Prevent contamination of food, drinking water and eating utensils. Wash and rinse tank, lines and nozzles with water. Rinse empty container three times with a volume of water equal to a minimum of 10% of the container. Add rinsings to the contents of the spray tank before destroying empty container by perforation and flattening and do not re-use for any other purpose.

GENERAL INFORMATION

- 1. Acidifier / Buffer agent:** Most agricultural chemicals are pH sensitive and degrade rapidly when added to spray tanks with a too high or too low pH. This phenomenon can reduce the activity of the product being applied. **HYGROBUFF 4** helps prevent this happening by keeping the pH of the spray tank at the optimal level for the efficacy of the agricultural chemicals being applied. Most agricultural remedies require a slightly acidic environment if they are to remain stable for any length of time. Consult the label of the remedy for the optimum pH level required.
- 2. Compatibility agent:** Most spray tank applications consist of a number of diverse agricultural products. Because of this diversity, minor incompatibilities do occur within the mix which in turn reduces the activity and efficacy of the mix. **HYGROBUFF 4** is effective in maintaining good compatibility of most agricultural chemicals when combined in a spray tank.
- 3. Wetting agent:** **HYGROBUFF 4** functions as a wetter by reducing the surface tension of spray droplets. This is especially useful when applying contact and systemic fungicides, herbicides and pesticides while also increasing the rate of uptake of foliar feed applications.
- 4. Tank cleaner:** **HYGROBUFF 4** contains spray tank cleaning capabilities. Continued use of the product within a tank will help keep the walls, lines, filters, pumps and nozzles clean

DIRECTIONS FOR USE

Use only as directed.

As a spray tank pH rectifier apply **HYGROBUFF 4** in **100ml per 100L** water increments until the desired pH is attained. The spray tank pH should be established before any other agricultural chemicals are added. Depending on the quality of water being used, 100 to 300ml of **HYGROBUFF 4** per 100L water will produce the desired result. Whenever possible a pH measurement of the spray tank mix should be taken to optimise the use and efficacy of the

product. To help in this matter a number of pH-indicator strips with a pH colour chart have been included. Additional pH strips are available on request.

WAARSKUWING

Gevaarlik indien gesluk word. Kontak kan oë beskadig en vel irriteer. Bêre weg van voedsel en veevoer. Vlambaar – bêre en hou weg van hitte en bronne van ontbranding. Bêre buite bereik van kinders, diere en oningeligte persone.

VOORSORGMAATREëLS

Vermý kontak met oë en vel. Dra beskermende klere en rubber handskoene. Ingeval van kontak, was oë onmiddellik met water vir ten minste 15 minute. Indien ingesluk word, veroorsaak braking en kry onmiddellik mediese hulp. Moet nie eet, drink of rook gedurende of na daar gemeng of gespuit is, alvorens hande en gesig nie deeglik gewas is nie. Was dadelik na toevallige velkontak. Was besoedelde klere. Vermý besoedeling van voedsel, drinkwater en eetgereedskap. Spoel die spuittoerusting uit met skoon water na gebruik. Spoel leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van spuittenk voordat die houer vernietig word.

ALGEMENE INLIGTING

- 1. Versurings- / Buffermiddel** - Die meeste landboumiddels is pH sensitief en breek vinnig af in die spuittenk as die tenkmengsel se pH te hoog of te laag is en gevolglik kan die aktiwiteit van landboumiddels verlaag word. **HYGROBUFF 4** verhoed dat die aktiwiteit van landboumiddels verlaag word deur die pH van die spuittenk vir die effektiewe werking van landboumiddels korrek aan te pas. Die meeste landboumiddels vereis 'n effens suur omgewing om vir 'n lang periode stabiel te bly. Raadpleeg die etiket van die landboumiddel vir die ideale pH wat vereis word.
- 2. Verenigbaarheidsmiddel** - Meeste spuittenkmengsels is 'n mengsel van twee of meer landboumiddels. As gevolg van die verskille kom onverenigbaarhede voor binne die tenk wat die effektiwiteit van die spuitmengsel verlaag. **HYGROBUFF 4** verhoog die effektiwiteit van die verskillende landboumiddels in die spuittenk.
- 3. Benattingsmiddel** - **HYGROBUFF 4** breek die oppervlaktespanning van die spuitdruppels en verseker dus die egalige verspreiding van die spuitmengsel oor die hele blaaroppervlakte. Daardeur word die opname van blaarvoedings en sistemiese plaagbeheermiddels, sowel as die doeltreffendheid van kontakmiddels, verhoog.
- 4. Skoonmaakmiddel** - **HYGROBUFF 4** het die vermoë om spuittenks skoon te maak. Gereelde gebruik van die produk verseker dat die spuittenks, lyne, siwwe, pompe en spuitpunte altyd skoon bly.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

As 'n pH regsteller, moet **HYGROBUFF 4** in **100ml per 100L** water eenhede bygevoeg word totdat die verkose pH bereik word. Die spuittenk pH moet eers gestabiliseer word voordat enige ander chemiese middel bygevoeg word. Afhangende van die kwaliteit van die water wat gebruik word, sal 100 tot 300ml **HYGROBUFF 4** per 100L water die gewenste resultate lewer. Om die gebruik en effektiwiteit van **HYGROBUFF 4** te verseker, moet die pH van die spuittenk gedurende die mengproses gemeet word. Om hierdie prosedure te vergemaklik, is 'n aantal pH-indikator strokies en 'n pH kleurkaart ingesluit. Addisionele pH-indikator strokies is op versoek beskikbaar.

Manufactured, Registered & Distributed by / Vervaardig, Geregistreer & Versprei deur:



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Reg. No. 1984/00638/07

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