Amiran

Bladbuff® 5

Acidifying surfactant for use in agriculture to improve spray water quality & reduce PH of alkaline spray water - for use with pest control products. (Dawa ya kutumiwa pamoja na madawa ya wadudu za kunyunyiza ili kuhakikisha dawa imesambazwa na imeloweshwa vizuri kwenye matawi, na upunguza na uonyesha hali ya chuchu kwenye maji ya kunyunyiza)

COMMERCIAL & AGRICULTURAL CLASS.
(KUNDI LA BIASHARA NA KILIMO.)
GUARANTEE (DHAMANA):
Phosphoric acid,Anionic,
Nonionic Wetting Agents........600g/L
REGISTRATION NO. (NAMBARI YA USAJILI):
PCPB (CR) 0843

READ THE LABEL BEFORE USING
(SOMA KIBANDIKO KABLA YA KUTUMIA)
KEEP OUT OF REACH OF CHILDREN
(FUNGIA MBALI NA WATOTO)

Distributor / Wasambazaji:
Amiran Kenya Ltd.
Old Airport North Road, Nairobi
Tel: 0719 095000 | Fert@amirankenya.com
www.amirankenya.com

Shelf life: 2 years from date of manufacture when stored in original unopened container in a cool dry place.
(Maisha Rafuni: Miaka 2 baada ya kutengenezwa kama imewekwa kwenye chombo chake halisi hakijafunguliwa mahali pakavu pasipo na joto jingi).

In case of Emergency call toll free No. (Kwa hali ya Dharura piga simu bila malipo): 0800720021/ 0800730030 (24hrs / masaa 24)

Manufacturer / Watengenezaji:
NULANDIS
Nulandis, a division of AECI Ltd
14 Field Road, Lilianton, Boksburg South-Africa

WHO CLASS III

Mft date/Tarehe ya kutengenezwa:
Batch No./Nambari ya Kifurushi:
Expiry date/Tumia kabla ya:

Member Of Agro Chemical Association Of Kenya Registration Number. AAK. 219

Warning (Ilani)
Very toxic to aquatic life, may cause long term adverse effects in the aquatic environment

Net Contents / Ujazo **5 Litres**

P7946

CAUTION/ TAHADHARI

FOR MORE INFORMATION READ THE ATTACHED LEAFLEAT
KWA MAELEZO ZAIDI SOMA KIFURUSHI KILICHOBANDIKWA

GENERAL DESCRIPTION

Bladbuff 5 is an Acidifying surfactant for use in agriculture to improve spray water quality and reduce PH of alkaline spray water - for use with pest control products.

MODE OF ACTION

• Reduces and buffers the pH of spray solutions.

• Contains a unique pH indicator which turns the colour of the spray water pink upon reaching the optimum pH range of 4.5 - 5.0.

• Has excellent wetting and spreading properties which improve-pesticidal performance (especially herbicides) and reduce the possibility of phytotoxity.

• Improve cuticular penetration and uptake of systemic pesticides and foliar nutrient sprays.

• Prevents rapid hydrolysis (degradation) of alkaline sensitive pesticides such as organophosphates, carbamates, synthetic pyrethroids & chlorinated hydrocarbons. Improves the compatibility of emulsifiable concentrates with foliar nutrient products.

• Neutralizes certain dissolved salts and decreases the electrical conductivity (EC) of hard spray waters.

DIRECTIONS FOR USE

• The pH and hardness of spray solutions may have marked effect on the persistence & ultimate performance of contact & systemic, alkalinesensitive pesticides and foliar applied nutrient products. Such pesticides & most foliar nutrient generally perform best at pH range of 4.5-5.0.

• Always add Bladbuff 5 to the spray water before adding other components to the spray mix.

• Bladbuff 5 contains a sensitive pH indicator which changes the colour of the spray water to a shade of pink when an optimum pH range of 4.5 -5.0 has been reached.

• The determination of the exact amount of Bladbuff 5 to be added to the spray water must always be established in an open container & not by observing the colour change in the dark confines of the spray tank itself.

• Soft water requires a low concentration of Bladbuff 5 and tums pink rapidly upon reaching the desired pH, Hard water will require a higher concentration of Bladbuff 5 and in this instance a gradual colour change from yellow to orange and finally a stable pink colour will be observed when a pH of 4.5 - 6,0" is "attained.

• In hard waters the addition of Bladbuff 5 must be continued whilst agitating constantly until the colour change is observed.The following table serves as a general guideline regarding the quantity of Bladbuff 5 required to adjust the pH of different waters to a level ranging from 4.5 - 5.0.

WATER HARDNESS	RATE OF APPLICATION (ml per 100L of water)
Soft	40 - 50
Medium	50 - 60
Medium Hard	100 - 120
Hard	180 - 200
Very Hard	220 and above

COMPATIBILITY: The addition of Bladbuff 5 to pesticide mixtures containing copper fungicides particularly oxychloride is not recommended due to the possibility of phytotoxity. Always make a small scale compatibility test.

HAZARDS PRECAUTIONS:

Handling: Wear protective clothing namely splash goggles or face shield, overall, respirator, boots and gloves when handling the concentrate. Do not eat. drink or smoke when working with the product. Avoid, breathing the pesticide spray mist, contact with skin, eyes and clothing. Do not apply upwind and stay out of the spray mist. After Work: Wash hands before breaks and at end of work. Change clothes and wash hands and face with soap and water thoroughly. Wash the spraying equipment and any contaminated clothing carefully.

Storage: Keep out of reach of children. Store in tightly closed original container in a cool dry well ventilated place, away from source of fire and under lock and key so that unauthorized persons do not get access. Keep away from food, drinks and animal feed stuffs.

Container Disposal: Empty container completely. Triple rinse empty containers and drain the rinse water into spray tank. Puncture or crush rinsed container to make it unusable. Dispose off empty container in a landfill site approved for pesticides or bury away from water sources. Do not re-use empty container for any other purpose.

Accidental Release Measures: Wear protective clothing when dealing with spillage. Prevent entry into drains and surface water. Soak up the spilled product with absorbent material - dry soil, sawdust or sand. Collect contaminated materials into closable marked container for safe disposal. Clean spill area with water and place used cleaning materials into closable containers to avoid any contamination of water supplies, surface water and drains. Dispose of safely the spilled chemical.

ENVIROMENTAL HAZARDS: The product is biodegradable and relatively non-toxic and therefore considered to have no impact on the environment.

FIRST AID INSTRUCTIONS: Inhaled: Remove the patient from exposure ,keep warm and at rest then seek medical attention. **Contact with skin:** Take contaminated clothes off immediately and wash the skin with plenty of water and soap. **Contact with the eyes**: Wash out with clean water or eye wash for 15 minutes then consult a doctor. **If Swallowed**: Do not induce vomiting .Take the patient and this label to the doctor at once.

TOXICOLOGICAL INFORMATION: The product is harmful if swallowed, inhaled, in contact with eyes and skin. **Symptoms of Poisoning:** May cause eye and bronchial irritation and skin burn. Prolonged exposure may cause chronical eye, skin and bronchial irritation.

Antidote:

There is no known specific antidote. **Treatment**: Treat symptomatically and supportively.

Incase of emergency call toll free Number: 08007210020/0800730030(24Hrs)

NOTICE TO USERS: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use or store a pest control product under unsafe conditions.

WARRANTY: Seller's guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or
property arising from the use or handling of this product and accepts the product on that condition.

MAELEZO KWAJUMLA

Bladbuff 5 ni dawa ya aina ya "adjuvant" iliyo na chembe chembe zilizo 'non-ionic' na 'ionic' na unyunyiziwa pamoja na madawa mengine ya wadudu kwa kutumia vyombo vya kawaida au ndege.

NAMNA INAVYOFANYA KAZI

• Huimarisha kiwango cha chuchu kwenye mchanganyiko wa dawa.!ina kionyesho ambacho ubadilisha rangi kuwa 'pink' wakati hali "pH"
imefika kati ya 4.5-5.0 kwenye mchanganyiko wa dawa.

• Ina uwezo wa kusambaza na kuimarisha utendaji wa kazi haswa madawa ya kuua kwekwe huku ikipunguza uwezekano wa kuwepo kwa
madhara kwenye mmea.!Huimarisha upenyaji na usafirishaji wa madawa yanayopenya na mbolea za kunyunyizia.

• Huzuia kupungua kwa nguvu za madawa ambazo uadhiriwa na hali ya chumvi nyingi kama vile 'organophosphates, carbonates, synthetic pyrethroids, na chlorinated hydrocarbons' .

• Huimarisha uchanganyikaji wa dawa na mbolea za kunyunyiza.

• Hupunguza baadhi ya chumvi na pia 'electrical conductivity '(EC) kwenye maji ya kunyunyiza.

MAAGIZO YA MATUMIZI

• pH na hali ya chumvi kwenye maji ya kunyunyiza inaweza kupunguza uwezo wa dawa zinazofanya kazi kwa mguso au kupenya.Madawa mengi ufanya kazi vizuri iwapo kiwango cha pH ni kati ya 4.5-5.0.

• Unapochanganya Bladbuff 5 na madawa mengine ya wadudu ni lazima uweke Bladbuff 5 kabla ya kuweka dawa nyingine.

• Bladbuff 5 ina kionyesho cha kipekee ambacho hubadilisha rangi ya mchanganyiko wa dawa kuwa 'pink' wakati kiwango cha pH kimefika kati ya 4.5-5.0.

• Kiwango cha Bladbuff 5 cha kuongezwa kwenye maji ya kunyunyizia upatikana kwa kuagalia mabadiliko ya rangi kutoka 'yellow', 'orange' hadi 'pink'. Maji yaliyo na chumvi nyingi uitaji kiwango kikubwa cha Bladbuff 5 kuliko maji ya kawaida.

• Kwenye maji iliyo na chumvi nyingi ongeza Bladbuff 5 huku ukikoronga mpaka rangi ibadilike.

• Sehemu iliyo chini inaonyesha kiwango kinachohitajika cha Bladbuff 5 kwenye maji kulingana na kiwango cha chumvi.

KIWANGO CHA CHUMVI KWENYE MAJI	VIWANGO VYA MATUMIZI (mililita/lita 100 za maji)
Maji yasio na chumvi	40 - 50
Maji yaliyo na kiasi kidogo cha chumvi	50 - 60
Maji yaliyo na chumvi kiasi	100 - 120
Maji yaliyo na kiasi kikubwa cha chumvi	180 - 200
Maji yaliyo na chumvi nyingi zaidi	220 and above

UCHANGANYIKAJI: Usichanganye Bladbuff 5 kwenye mchanganyiko ulio na 'copper fungicides' haswa'oxychlorides'Kwa kuwa mnyunyizizio wa dawa unaweza kudhuru mmea.

TAHADHARI

Matumizi: Vaa nguo maalum ya kujikinga, viatu, vizuizi vya mikono na uso unapotayarisha dawa. Usivute sigara na usile wala kunywa wakati
unapotumia dawa hii. Jiepushe na ukungu au vumbi ya dawa, jihadhari na mchanganyiko wa dawa usimwagikie ngozi, usiingie kwenye macho au
kumwagikia nguo ulizovalia. Usinyunyize dawa ukielekea upande upepo unakotoka.

Baada ya Kaza: Oga mikono kabla ya kupumzika na baada ya kazi. Badilisha nguo ulizovalia na uoge mikono na uso vizuri kwa kutumia maji na sabuni. Safisha vyombo vya kunyunyizia dawa na nguo zilizochafuka kwa uangarifu.

Kuhifadhi: Hifadhi dawa hii mbali na watoto, katika chombo chake halisi ambacho kimefunikwa sawa sawa mahali pasipo na joto kali, mote na mbali na vyakula, vinyuaji na vyakula vya mifugo, na watu wasioruhusiwa.

Kutupa Mkoba: Hakikisha dawa imeisha kwenye mkoba. Shunza mkoba mara tatu kisha umwage mabakio kwenye bomba la kunyunyizia. Bonyeza au toboa mkoba na utupilie au uzike mbali mahali ambapo ni salama na panapokubaliwa mbali na maji. Usitumie mkoba wa dawa kwa matumizi mengine yasiyoruhusiwa.

Dawa Ikimwagika au Kuvuja: Dawa ikivuja, iJoweshe kwenye mchanga au 'sawdust' na ufungie mahali ambapo ni salama kabla ya kutupilia mbali mahali ambapo pameidhinishwa. Iwapo kiasi kikubwa cha dawa kimevuja, unapaswa uripoti kwa wasambasaji au wizara ya mazingira ili upate usaidizi. Zuia dawa iliovuja isikachafue mito visima au vidimbwi na chemichemi.

Kukinga Wanyama na Mazingira: Dawa hii haina madhara kwa mazingira

MAELEZO YA HUDUMA YA KWANZAI: Ikipumuliwa: Pumzisha mgonjwa mahali ambapo ni salama kisha umpeleke mjeruhi kwa daktari. **Ikimwagikia ngozi:** TVua mavazi yaliyomwangikiwa na dawa kisha uoshe ngozi kwa kutumia sabuni na kiwango kikubwa cha maji. **Ikiingia kwa macho:** Fungua macho na uyasafishe kwa maji yanayotiririka kwa muda wa dakika 15. **Ikimezwa:** Usimfanye mgonjwa atapike. MpeJeke mjeruhi kwa daktari pamoja na kibandiko cha dawa.

MAELEZO KUHUSU SUMU: Dawa hii ni sumu ikimezwa, ikipumuliwa, ikiingia kwa macho na ikimwagikia ngozi. **Ishara ya Kusumika:** Inaweza kusababisha mwasho wa macho, mapafu na kuchoma ngozi. **Makata:** Hakuna inayojulikana. **Tiba: H**akuna tiba maalum. Mtibu mgonjwa kulingana na dalili za maumivu. **Wakati wa dharura Piga simu Bila malipo(Masaa 24): 08007210020/0800730030**

ILANI KWA MTUMIAJI: Dawa hii sharti itumiwe kulingana na maagizo yaliyo kwenye kibadiko. Ni hatia chini ya sheria za madawa ya kuangamiza wadudu waharibifu kutumia au kuhifadhi dawa hii katika hali isiyo salama.

THIBITISHO: Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ni lazima yafuatwe kikamilifu. Mnunuzi lazima akubali hatari zozote zinazoweza kutokana na matumizi ya dawa hii kwa binadamu au mali na lazima aikubali dawa hii katika hali hiyo.