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**BASF**

We create chemistry

# Bellis® 38% WG

Water-Dispersible Granules  
FUNGICIDE (KIUAKUVU)

**GUARANTEE (DHAMANA):**

Boscalid 252 g/kg  
Pyraclostrobin 128 g/kg

**COMMERCIAL AND AGRICULTURAL CLASS  
(KUNDI LA KILIMO NA BIASHARA)**

| GROUP<br>(KUNDI) | 7 | 11 | FUNGICIDE<br>(KIUAKUVU) |
|------------------|---|----|-------------------------|
|------------------|---|----|-------------------------|

Fungicide for control of powdery mildew, downy mildews and black spot on roses, and post-harvest treatment of roses against botrytis.

(Kiuakuvu aina ya chembechembe kinachoingia kwenye mmea na kudhibiti magonjwa ya 'Botrytis', Ukungu, 'Downy mildew' Ubwiri Unga, 'Powdery Mildew' na madocodaa nyeusi kwenye waridi.)

**Shelf life:** Two years from the date of manufacture in tightly sealed original unopened container under cool and dry storage conditions.

(Maisha Rafuni: Miaka miwili kutoka tarehe ya kutengenezwa ikiwa katika chombo chake maalum isipofunguliwa na ikikewa katika pahari pakavu pasipo na joto jingi.)

In case of poisoning call Toll Free number 0800720021/0800730030 (24Hrs).  
(Wakati wa madhara piga nambari bila malipo 0800720021/0800730030 (Masaa 24).)

Net Content (Kipimo Kamili):

**1 kg**

**WHO Class II: Moderately Hazardous**

**READ THE LABEL  
BEFORE USING  
(SOMA KIBANDIKO  
CHA MAELEZO  
KABLA YA  
KUTUMIA)**

**KEEP LOCKED  
OUT OF REACH OF  
CHILDREN  
(WEKA MBALI NA  
WATOTO)**

**REGISTRATION NO. (NAMBARI YA  
USAJILI): PCPB (CR) 0521**

**REGISTRANT / MANUFACTURER  
(MSAJILI / MTGENEZAJI):  
BASF SE, GERMANY**

**AGENT (AJENTI):  
BASF EAST AFRICA LIMITED  
P.O. BOX 24271-00100  
NAIROBI  
TELEPHONE: +254 20 407-2000  
Email: info.eastafrica@basf.com**

**MANUFACTURING DATE: SEE ANOTHER  
PLACE ON THE LABEL OR PACKAGING  
(TAREHE YA KUTGENEZWIA):  
(MAELEZO YAPO KWINGINE KWENYE  
KIBANDIKO HIKI)**

**BATCH NUMBER: SEE ANOTHER PLACE  
ON THE LABEL OR PACKAGING  
(NAMBARI YA FURUSHI): (MAELEZO  
YAPO KWINGINE KWENYE KIBANDIKO  
HIKI)**

**EXPIRY DATE: SEE ANOTHER PLACE ON  
THE LABEL OR PACKAGING  
(TUMIA KABLA YA): (MAELEZO YAPO  
KWINGINE KWENYE KIBANDIKO HIKI)**



® = Registered trademark of BASF  
(Alama ya biashara iliyosajiliwa ya BASF)



Protect to Provide  
Membership Number:  
Nambari ya Uanachama: **AAK/220**



**HARMFUL  
(HUDHURU)**



**Bellis® 38% WG**

**DIRECTIONS FOR USE:**

Fungicide for control of powdery mildew, downy mildews and black spot on roses, and post-harvest treatment of Roses against botrytis.

**MODE OF ACTION:**

Bellis® 38% WG is a protectant and systemic fungicide which inhibit spore germination and micelial growth. Bellis® 38% WG contains boscalid and pyraclostrobin which belong to the class anilide and strobilurin respectively. Boscalid Inhibits Complex II of the respiration chain by stopping energy production and Blocking amino acid and lipids synthesis. Pyraclostrobin blocks the electron transport at the cytochrome bc1 complex by Inhibiting the mitochondrial respiration and disrupting the fungal energy supply. The biological activity of Bellis® 38% WG is independent from temperature conditions.

**APPLICATION TIMING:**

Bellis® 38% WG is to be applied preventively. Sprays should be repeated at 7-10 days depending on rain and disease incidence until weather conditions become unfavourable for disease development.

**MIXING INSTRUCTIONS:**

Fill the spray tank halfway with water. Start agitator mechanism and slowly add the required amount of Bellis® 38% WG. Add water to the final volume required with continuous agitation.

#### RATE OF APPLICATION/SPRAY INTERVAL

| Crop  | Disease  | Rate   | Remarks   |
|-------|--|--|---|
| Roses | Field and Post Harvest Botrytis ( <i>Botrytis cinerea</i> )  | 1.2 kg/ha in 1000L water/ha<br>or<br>24g/20L of water              | Spray on a preventative programme. Repeat every 7-10 days depending on disease pressure. Use Bellis 38% WG in 3-4 sequential applications. Apply the remainder of the programme with fungicides, with a different mode of action. Strobilurin containing products should not be used as alternative products. |
|       | Downy mildew ( <i>Peronospora sparsa</i> ).<br>Powdery mildew ( <i>Sphaerotheca pannosa</i> )<br>Black spot ( <i>Diplocarpon rosae</i> ) | 800 g/ha in a minimum of 1000L water/ha.<br>or<br>16g/20L of water |   |

**NOTE:** Under conditions of high infection pressure, heavy rainfall and excessive leaf development, the shorter interval of 7 days should be used.

**RE-ENTRY INTERVAL:** 24 Hours, unless wearing protective clothing.

#### RESISTANCE MANAGEMENT:

In order to minimise risk of resistance development, Bellis 38% WG should be used in a spray program with products of different cross-resistant group, mode of actions. Bellis 38% WG contains pyraclostrobin (a QoI inhibitor, group 11) and boscalid (SDHI carboxamide, group 7) and apply it according to label recommendations. The number applications should be no more than ½ (50%) of the total number of fungicide application per season.

#### **SAFETY PRECAUTIONS:**

Avoid prolonged contact with skin and protect eyes. Do not inhale spray mist. Wash with separate soap and water after handling of product. Do not eat, drink or smoke whilst mixing and applying before washing hands and face. Prevent spray drift onto other crops, pasture for grazing, rivers and dams. When handling the concentrated product, wear gloves and goggles. Prevent contamination of food, feedstuffs, drinking water, rivers, dams and eating utensils. Clean applicator after use, by rinsing with clean water.

#### **STORAGE:**

Store in original containers under cool dry conditions in secure well ventilated buildings away from foodstuffs and out of reach of children. Protect from temperatures above 40 °C.

#### **WASTE DISPOSAL:**

On emptying the container, triple rinse thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling. Perforate or puncture holes on empty containers and dispose off in accordance with National legislation and Regulation. DO NOT RE-USE empty containers for any other purpose.

#### **LEAK AND SPILLS:**

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately. Methods for cleaning up or taking up: For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water or water sources and detergents, observing environmental regulations. Dispose of absorbed material in accordance with regulations.

#### **ENVIRONMENTAL HAZARDS:**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

#### FIRST AID MEASURES:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

**If Inhaled:** Keep patient calm, remove to fresh air and seek medical attention.

**Skin contact:** After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

**Eye contact:** Immediately wash affected eyes for at least 15 minutes under running water, with eyelids open. Consult an eye specialist.

**Ingestion:** Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

#### TAKE PATIENT TO DOCTOR.

#### TOXICOLOGICAL INFORMATION:

**Signs and Symptoms of Poisoning:** Causes serious eye irritation. Harmful if swallowed.

**Antidote:** No specific antidote. Treat symptomatically.

**Note to physician:** Treat according to symptoms (decontamination, vital functions).

**In case of poisoning call Toll Free number 0800720021/0800730030 (24Hrs).**

#### NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on this 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 there, to the buyer who assumes the risks to persons or property arising from the use or handling of this product and accepts the product on that condition.

## **Bellis® 38% WG**

### **MAPENDEKEZO YA UTUMIAJI:**

Bellis® 38% WG ni kiuakuvu kinachotumika kabla ya magonjwa kutokea na kuenea na ina uwezo wa kudhibiti magonjwa ya 'Botrytis', Ukungu, 'Downy mildew', Ubwiri Unga, Powdery Mildew' na madoadoa nyeusi kwenye waridi.

### **UTENDAJI KAZI:**

Bellis® 38% WG ni kiuakuvu aina ya chembechembe kinachoinjia kwenye mmea na ina uwezo wa kupenya kwenye maua aina ya 'roses' na kuzuia vijimbegu vya kuvu kukua. Kwa sababu ya utendaji kazi wake, maua yanaweza jikinga kutokana na kuvu, haswa Bellis® 38% WG ikutumiwa kabla ya ugonjwa kuingia kwenye maua.

### **MATUMIZI:**

Bellis hunyunyizwa kuzuia magonjwa yasienee. Nyunyiza mara saba hadi kumi kulingana na hali ya hewa. Kufanya kazi kwa Bellis® 38% WG hutegemea kipimo cha joto ya anga.

### **MAELEZO YA KUCHANGANYA:**

Jaza bomba nusu na maji. Anza kukoroga pole pole, ongeza kiasi cha Bellis® 38% WG kinachohitajika alafu ujaze bomba na maji kama inavyohitajika.

## KIPIMO CHA KUTUMIA/MUDA WA KURUDIA

| MMEA   | UGONJWA  | KIPIMO   | MAELEZO   |
|--------|--|--|---|
| Waridi | 'Botrytis' ( <i>Botrytis cinerea</i> )<br>Kwenye shamba na unapovuna   | Kilo 1.2 kwa hektari kwenye Lita 1000 za maji.<br>Au<br>Gramu 24 kwa lita 20 za maji | Nyunyiza kabla ya magonjwa kutokea na kuenea. Rudia kunyunyiza baada ya siku 7 hadi 10 kulingana na hali ya ugonjwa. Nyunyiza Bellis mara 3 hadi 4 mfululizo. Badilisha na unyunyize aina zingine za viuakuvu. Viuakuvu vilivyo na Strobilurin havipaswi kutumiwa kwa niaba ya kubadilisha na Bellis. |
|        | 'Downy mildew' ( <i>Perenospora sparsa</i> )<br>'Ubwiri unga' ( <i>Sphaerotheca pannosa</i> )<br>'Black spot' ( <i>Diplocarpon rosae</i> ) | Kilo 0.8 kwa hektari kwenye Lita 1000 za maji.<br>Au<br>Gramu 16 kwa lita 20 za maji |   |

**FAHAMU:** Katika hali ya juu ya kueneza ugonjwa, mvua na kuota kwa matawi, kiwango kifupi cha siku saba kinapaswa kutumiwa.

**MUDA WA KUNGOJA KABLA KUIINGIA MAHALI PALIPONUNYIZIWA DAWA:** Masaa 24, isipokuwa kama uko na mavazi ya kujikinga.

## KUZUIA UZOEFU WA KUVU:

Kwa kuzuia uzoefu wa kuvu, Bellis 38% WG inapaswa kutumiwa na madawa mengine ya vikundi vingine yaliyo na utendaji kazi tofauti. Bellis 38% WG ina 'Pyraclostrobin' (QoI inhibitor, kundi 11) na Boscalid (SDHI carboxamide, kundi 7) na inafaa itumike kulingana na Maagizo ya lebo. Utumizi wa dawa haipaswi kuwa zaidi ya asilimia hamsini ya jumla ya idadi ya matumizi ya kuvu kwa msimu.

#### **TAHADHARI KWA MTUMIAJI:**

Epuka kuguzana kwa dawa na ngozi ya mwili. Kinga macho kutokana na dawa. Usivute mvuke au vumbi vya dawa. Oga na sabuni na maji baada ya kutumia dawa. Usile, usinywe na usivute sigara wakati wa kuchanganya na kunyunyiza dawa kabla hujanawa mikono au uso. Zuia mvuke wa dawa kufikia mimea mingine isiyohusika, malisho ya wanyama, mito na bomba za kuzuia maji. Osha bomba baada ya kunyunyizia dawa.

#### **KUHIFADHI:**

Weka dawa ndani ya pakiti yake halisi mahali ambapo ni salama, pakavu, na pasipo na joto nyingi, penye hewa nyingi mbali na chakula na watoto. Epuka kuhifadhi dawa kwenye nyuzi zaidi ya 40 °C.

#### **KUTUPA MABAKI:**

Osha chombo cha dawa mara tatu na umwage ule mwosho kwenye tanki la kunyunyizia. Haribu chombo cha dawa kwa kutoboa mashimo baada ya kuitumia dawa yote iliyomo halafu itupe mahali pazuri mbali na mto kuambatana na sheria zilizoko kwenye nchi. USITUMIE KWA MATUMIZI INGINE.

#### **DAWA IKIMWAGIKA:**

Jikinge na nguo na vifaa vya kuzuia madhara ya dawa. Panguza dawa iliyomwagika na mchanga au 'sawdust'. Osha mahali au vifaa vilivyomwagikiwa na dawa kwa maji mengi na sabuni.

#### **HADHARI KWA MAZINGIRA:**

Ina madhara kwa samaki na viumbe vingine vinavyoishi kwenye maji. Usichafue vidimbwi vya maji kwa dawa hii au mabaki yake. Usioshe vyombo vilivyotumika karibu na mito. Usimwage mabaki kwenye nyumba za wanyama au barabara.

#### **HUDUMA YA KWANZA:**

**Ikiwa imeingizwa:** Weka mgonjwa atulie, muke kwenye hewa safi na utafute matibabu.

**Kushikwa kwa Ngozi:** Baada ya kuguswa na dawa kwa ngozi. Osha kwa maji mengi na sabuni. Kuwashwa kwa ngozi kukiitokea, pata ushauri wa matibabu.



**Kushikwa kwa Macho:** Osha macho yaliyoathiriwa kwa muda wa dakika 15 chini ya maji ya kukimbia na kope la jicho likifunguliwa wazi. Wasiliana na mtaalamu wa jicho.

**Kumeza:** Usiruhusu kutapika isipokuwa kama umeambiwa na kituo cha udhibiti wa sumu au daktari. Kamwe usiruhusu kutapika au kumpea kitu chochote kwa kinywa ikiwa mhasiriwa hana fahamu au ana msukosuko. Mara moja suza mdomo na kisha kunywa mililita 200-300 ya maji, tafuta matibabu.

## **PELEKA MJERUHI KWA DAKTARI.**

### **MAELEZO KUHUSU SUMU:**

**Dalili ya Kupatwa na Sumu:** Yaweza sababisha mwasho mkali kwenye macho. Inadhuru ikimezwa.

**Kinga ya Hatari:** Hakuna. Tibu kufuatia dalili za ugonjwa.

**Maagizo kwa daktari:** Tibu mgonjwa kulingana na dalili za ugonjwa.

**Wakati wa madhara piga nambari bila malipo**  
**0800720021/0800730030 (Masaa 24).**

### **ILANI KWA WATUMIAJI:**

Dawa hii sharti itumiwe kulingana na maagizo kwenye kibandiko hiki tu. Ni hatia chini ya Sheria za madawa ya kuangamiza wadudu waharibifu kutumia au kuweka dawa hii mahala pasipo usalama.

### **THIBITISHO:**

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