

**BASF**

We create chemistry

# Acrobat® 69% WG

Wettable Granules  
FUNGICIDE (KIUKUVU)

**GUARANTEE (DHAMANA):**

Dimethomorph 90 g/kg  
Mancozeb 600 g/kg

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

GROUP (KUNDI)	40	M3	FUNGICIDE (KIUKUVU)
------------------	----	----	------------------------

A fungicide with systemic and contact activity for the control of late blight (*Phytophthora infestans*) of potatoes and tomatoes as well as for downy mildew (*Peronospora sparsa*) in roses, when used in protective spray programs.

(Kiukuvu kipenyacho kwenye mmea kitumiwacho kudhibiti magonjwa ya 'late blight' kwenye viazi na nyanya; pamoja na 'downy mildew' 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 ikiwekwa katika pahali pakavu pasipo na joto jingii.)

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

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

**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) 0247**

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

**AGENT (AJENTI):**

BASF EAST AFRICA LIMITED  
P.O. BOX 24271-00100  
NAIROBI  
TELEPHONE: + 254 20 4443454  
Email: info.eastafrica@basf.com

**MANUFACTURING DATE: SEE ANOTHER PLACE ON THE LABEL OR PACKAGING**

(TAREHE YA KUTENGENEZWA): (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)

81139196 KE 2010



**1 kg**

Net Content (Kipimo Kamili):

WHO Class III: Slightly Hazardous



Protect to Provide

Membership Number: AAK/220

Nambari ya Uanachama:



CAUTION  
(TAHADHARI)



## Acrobat® 69% WG

### DIRECTIONS FOR USE:

Acrobat® 69% WG is a fungicide with systemic and contact activity for the control of late blight (*Phytophthora infestans*) of potatoes and tomatoes as well as for downy mildew (*Peronospora sparsa*) roses, when used in protective spray programs. Acrobat® 69% WG is best used and recommended as a preventative treatment.

### MODE OF ACTION:

Acrobat® 69% WG is a mixture of dimethomorph and mancozeb. The mode of action of dimethomorph is to act by disrupting fungal cell-wall formation. This unique mode of action means that no cross-resistance with phenylamide-resistant strains has been observed or is anticipated. The anti-sporulant activity of dimethomorph reduces the potential for reinfestation. Mancozeb has a multi-site contact activity.

Acrobat® 69% WG is active at many stages of the disease development, has preventative, curative and antispore activity which helps to prevent the spread of diseases between plants and, it has foliar penetrant, translaminar, local systemic properties.

### MIXING INSTRUCTIONS:

Fill the spray tank halfway with water. Start agitator mechanism and slowly add the required amount of Acrobat® 69% WG. Add water to the final volume required with continuous agitation.

### RATE OF APPLICATION/SPRAY INTERVAL

Crop	Target Disease	Rate (kg/ha)	Remarks
Potatoes and Tomatoes	Late blight ( <i>Phytophthora infestans</i> )	2 kg/ha in 400 – 1000 litres water or 50 g/ 20 litres of water	Spray applications should be started early before disease symptoms appear (preventative). Repeat applications at 7 – 14 days interval throughout the wet season, depending on the disease pressure.

Roses	Downy mildew ( <i>Peronospora sparsa</i> )	2 kg/ha in 1000 litres of water	Spray applications should be started early before disease symptoms appear (preventative). Repeat applications at 7 – 14 days intervals throughout the wet season, depending on the disease pressure.
-------	---	---------------------------------------	---

**PRE-HARVEST INTERVAL:** 7 days for potatoes and tomatoes

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

#### **RESISTANCE MANAGEMENT:**

Acrobat® 69% WG should be used in accordance with the instructions for use for the target diseases at the indicated conditions. Use Acrobat® 69% WG as part of an Integrated Crop Management strategy incorporating other methods of control.

You must not apply more than 50% of foliar applications of Acrobat® 69% WG and products containing the same mode of action or belonging to the same FRAC group. Alternation with fungicides having other modes of action is recommended.

FOR SPECIFIC INFORMATION ON RESISTANCE MANAGEMENT, CONTACT THE REGISTRATION HOLDER, BASF EAST AFRICA LTD.

#### **SAFETY PRECAUTIONS:**

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Prevent spray drift onto other crops, grazing, rivers and dams.

#### **STORAGE:**

Keep away from food, drink and animal feeds. Keep out of reach of children.

Do not re-use container for any other purpose. Store in original container tightly closed, in a safe place. Keep away from heat. Protect against moisture and protect from direct sunlight.

#### 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. For small amounts: Contain with dust binding material and dispose of. For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with national legislations and regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

#### ENVIRONMENTAL HAZARDS:

Very toxic to aquatic life with long lasting effects. Do not discharge into drains/surface waters/ ground water.

#### FIRST AID MEASURES:

**General advice:** Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. If difficulties occur in breathing, 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:** May be harmful if inhaled or swallowed. May cause an allergic skin reaction. Suspected of damaging the unborn child.

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

**Note to physician:** Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**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.

## Acrobat® 69% WG

### MAPENDEKEZO YA UTUMIAJI:

Acrobat® 69% WG hupenya na huzuia magonjwa ya late blight (*Phytophthora infestans*) katika viazi na nyanya, pamoja na downy mildew kwenye waridi, ikitumiwa kwa njia ya kuzuia magonjwa. Inapenya ndani ya mmea na kutibu ugonjwa na pia hukaa juu na kuzuia ugonjwa kuingia ndani.

### JINSI INAVYOFANYA KAZI:

Acrobat® 69% WG ina mchanganyiko wa Dimethomorph and Mancozeb. Dimethomorph hufanya kazi kwa njia ya kipekee na huweza kutibu na kuzuia ugonjwa hata pahali viini vya ugonjwa vimezoea madawa mengine ya kutibu kama zile za phenylamides. Dimethomorph inaweza kupunguza na kuzuia vijimbegu vya kuvu kurejea kwenye mmea. Mancozeb pia ina uwezo wa kuzuia kuvu kwa hali nyingi.

### MAELEZO YA KUCHANGANYA:

Changanya kiasi cha Acrobat® 69% WG kinachohitajika na maji kidogo ili kupata mkorogo uliyo mzito. Ongeza kwenye tanki la kunyunyizia. Ongeza Maji safi na uendelee kuchanganya na kutikisa hadi ifike kiwango kinachohitajika. Koroga vizuri-mnyunyizo wako ni tayari.

### KIPIMO CHA KUTUMIA/MUDA WA KURUDIA

Mmea	Ugonjwa	Kipimo (kilo/hekta)	Maelezo zaidi
Viazi na nyanya	Late blight ( <i>Phytophthora infestans</i> )	Kilo 2 kwa hekta katika lita 400-1000 za maji au gramu 50/lita 20 za maji.	Unapotumia Acrobat® 69% WG anza kunyunyizia mimea yako mapema kabla ya ugonjwa kuzuka. Nyunyiza tena baada ya siku 7-14 kulingana na hali ya hewa.
Roses	Downy mildew ( <i>Peronospora sparsa</i> )	Kilo 2 kwa hekta katika lita 1000 za maji.	Unapotumia Acrobat® 69% WG anza kunyunyizia mimea yako mapema kabla ya ugonjwa kuzuka. Nyunyiza tena baada ya siku 7-14 kulingana na hali ya hewa.

**MUDA SALAMA WA KUNGOJA KABLA KUVUNA:** Siku 7 kwa nyanya na viazi

**MUDA WA KUNGOJA KABLA KUIINGIA MAHALI PALIPONYUNYIZIWA DAWA:** Masaa 24 ama kama uko na nguo za kujikinga

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

Usile, usinywe wala usivute sigara unapotumia dawa hii. Unapotumia dawa ya Acrobat® 69% WG zua kuzusha vumbi, linda macho, vaa nguo za kujikinga kama vile glovu, overoli na gambuti. Wakati wa kunyunyiza vaa hata kofia na kitu cha kulinda macho. Osha mikono na ngozi iliyoguswa kabla ya kula, kunywa, kuvuta ama kwenda kwa haja. Oga baada ya kazi na ufue nguo kabla ya kuzitumia tena.

#### **KUHIFADHI:**

Weka dawa ndani ya pakiti halisi mahali ambapo ni kavu na hakuna joto nyingi, kuna hewa nyingi na ni mbali na chakula na watoto hawawezi kufikia.

#### **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:**

Vaa mavazi ya kujikinga kama ulivyoielezwa hapo juu. Angalia usizushe vumbi. Pangusa dawa iliyomwagika na mchanga au vumbi inayopatikana wakati mbao inapopasuliwa. Safisha mahali palipomwagikiwa na dawa kwa maji mengi yaliyo 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 kukitokea, 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 suuza mdomo na kisha kunywa mililita 200-300 ya maji, tafuta matibabu.

#### **PELEKA MJERUHI KWA DAKTARI.**

##### **MAELEZO KUHUSU SUMU:**

**Dalili ya kusumika:** Inaweza kuwa na madhara ikipumuliwa au kumezwa. Pia unaweza kusababisha mziza mbaya kwenye ngozi. Inashukiwa kusababisha madhara kwenye viumbe ambavyo hawajazaliwa.

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

**Maagizo kwa daktari:** Matibabu: Tibu kufuatia dalili (njia ya kuondoa kemikali, viungo muhimu). Hakuna tiba ijulikanayo.

**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.