

**BASF**

We create chemistry

# Abacus® Advance 125SE

Suspo-Emulsion  
FUNGICIDE (KIUAKUVU)

**GUARANTEE (DHAMANA):**

Pyraclostrobin 62.5 g/l  
Epoxiconazole 62.5 g/l

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

|                  |   |    |                         |
|------------------|---|----|-------------------------|
| GROUP<br>(KUNDI) | 3 | 11 | FUNGICIDE<br>(KIUAKUVU) |
|------------------|---|----|-------------------------|

Fungicide for the control of stem rust and yellow rust on wheat and grey leaf spot on maize.

((Kiuakuvu cha kuzuia magonjwa ya kutu ('stem rust' na 'yellow rust')kwenye ngano na ,grey leaf spot' kwenye mahindi))

**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 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):

# 10 L

**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) 1246**

**REGISTRANT / MANUFACTURER (MSAJILI /  
MTENGEZAJI):  
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 KUTENGEZWA): (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)**



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Membership Number:  
Nambari ya Uanachama: **AAK/220**

81144840 KE 2070



**HARMFUL  
(HUDHURU)**



## Abacus® Advance 125SE

### DIRECTIONS FOR USE:

A protectant and systemic fungicide for the control of stem rust, yellow rust on wheat and grey leaf spot in maize. Apart from fungicidal activity, pyraclostrobin one of the active ingredients of Abacus® Advance 125 SE exhibits the potential to increase plant physiological effects which are beneficial to the crop

### MODE OF ACTION:

Pyraclostrobin belongs to the quinone outside inhibitors (QoI) group of fungicides and the mode of action is the inhibition of mitochondrial respiration resulting from a blockage of the electron transport from the cytochrome bc1 at Qo site (cyt b gene) of the complex III. This leads to a stop of energy supply that is available to support a range of essential processes in the fungal cell.

Epoxiconazole is a systemic fungicide belonging to the chemical class of triazoles and acts by the inhibition of C14 – demethylase in sterol biosynthesis, which is known to be a prerequisite for the production of ergosterol for the formation of the cell membrane. Epoxiconazole has protective, curative, and eradivative effects and control stem rust and yellow rust in wheat and grey leaf spot in maize.

### MIXING INSTRUCTIONS:

Half fill the spray tank with clean water and start agitation. Shake the product well before opening, measure the required amount of Abacus® Advance 125 SE and add into the spray tank. Fill the tank with clean water and continue agitation or recirculation. Continue agitation during spraying.

### APPLICATION TIMING:

Abacus® Advance 125 SE provides optimal disease control when applied in a regularly scheduled preventive fungicide program when conditions favor disease development.

Abacus® Advance 125 SE should be used in a spray program that rotates fungicides with different modes of action. It can be sprayed latest at first signs of disease infection.

### RATE OF APPLICATION/SPRAY INTERVAL

| Crop  | Target Pest   | Rate     | Remarks   |
|-------|---|----------|---|
| Wheat | Yellow Rust ( <i>Puccinia striiformis</i> )<br>Stem Rust ( <i>Puccinia graminis</i> ) | 1L/ha    | Apply preventatively or latest as soon as infection is noticed and repeat at 3-4 weeks later depending on disease pressure.<br>Ground Application:<br>Apply in 200-400 L water per ha; 100 ml per 20 L of water |
| Maize | Grey leaf spot ( <i>Cercospora zeae-maydis</i> )                                      | 1.6 L/ha | Apply preventatively or latest as soon as infection is noticed and repeat at 3-4 weeks later depending on disease pressure.<br>Ground Application:<br>Apply in 200-400 L water per ha; 160 ml per 20 L of water |

**NOTE:** Do not use any additional wetters, spreaders or other adjuvants as Abacus® Advance 125 SE has already been formulated with optimized amounts of surfactants.

### **PRE HARVEST INTERVAL:**

Wheat 60 days  
Maize 30 days

### **RE-ENTRY INTERVAL:**

24 Hours, unless wearing protective clothing.

### **RESISTANCE MANAGEMENT:**

Abacus® Advance 125 SE should be used in accordance with the instructions for use for the target diseases at the indicated conditions.

Use Abacus® Advance 125 SE as part of an Integrated Crop Management strategy incorporating other methods of control.

You must not apply more than two foliar applications of Abacus® Advance 125 SE and products containing the same mode of action or belonging to the same FRAC group to any cereal crop.

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. Prevent spray drift onto other crops, grazing, rivers and dams. Wear protective gloves/clothing. Use only outdoors or in well-ventilated area. Do not breathe mist or vapor. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated body parts thoroughly after handling.

### **STORAGE:**

Segregate from foods, animal feeds and reach of children.

Keep away from heat. Protect from direct sunlight.

Protect from temperatures below: -5 °C

The product can crystallize below the limit temperature.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

### **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:**

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust). For large amounts: Dike spillage. Pump off product. Dispose of absorbed material in accordance with national 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. Wear suitable protective equipment.

### ENVIRONMENTAL HAZARDS:

Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment e.g fish. Do not contaminate water with the product or its container. Avoid contamination via drains from farmyards and roads.

### FIRST AID MEASURES:

**General advice:** Immediately call a poison center or doctor/physician. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. Show container, label and /or safety data sheet to physician. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

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

**Skin contact:** Immediately wash thoroughly with soap and water, seek medical attention.

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

**Ingestion:** 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:** Harmful if inhaled. Toxic if swallowed. Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child.

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

**Medical Advice:** Treat according to symptoms (decontamination, vital functions).

**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.

## Abacus® Advance 125SE

### MAPENDEKEZO YA UTUMIAJI:

Abacus® Advance 125 SE Kiuakuvu cha kuzuia magonjwa ya kutu (,stem rust' na ,yellow rust') kwenye ngano na ,grey leaf spot' kwenye mahindi. Mojawapo ya dawa halisi iliyomo kwenye hiki kiuakuvu-Pyraloclostrobin imeonyesha kuongezeka kwa fiziologia ya mmea hivi basi kuongezea ukuaji wa mmea.

### JINSI INAVYOFANYA KAZI:

Pyraloclostrobin (FRAC group 11) ni mojawapo ya dawa iliyo kwenye kikundi cha ,quinone outside inhibitors' Qol cha kiuakuvu na inazuia upumuaji wa kuvu na kusimamisha ukuaji.

Epoconazole (FRAC group 3) ni kiuu kuvu kilicho katika kikundi cha triazoles na kinafanyakazi kwa kusimamisha ukuaji wa seli ya kuvu.

### MAELEZO YA KUCHANGANYA:

Jaza tanki la kunyunyizia na maji safi hadi nusu. Tingiza dawa vizuri kabla ya kuifungua kisha upime kiasi cha Abacus® Advance 125 SE kinachohitajika na uongeze kwenye tanki la kunyunyizia. Jaza tanki hilo na maji safi na uendelee kuchanganya na kutikisa. Endelea kukoroga vizuri unaponyunyizia.

### WAKATI WA KUNYUNYIZIA

Abacus® Advance 125 SE inafaa zaidi ikitumiwa wakati dalili za ugonjwa zinaonekana kushika ngano. Unahimizwa kubadilisha dawa hii na dawa za vikundi vingine kuzuia uzoefu kwenye mmea.

### KIPIMO CHA KUTUMIA/MUDA WA KURUDIA

| Mmea    | Ugonjwa   | Kiasi cha kutumia | Maelezo zaidi  |
|---------|---|-------------------|--|
| Ngano   | Yellow Rust ( <i>Puccinia striiformis</i> )<br>Stem Rust ( <i>Puccinia graminis</i> ) | Lita 1.0 / hekta  | Nyunyiza dawa kuzuia ama mwisho punde tu ugonjwa uonekanapo. Rudia kila baada ya wiki 3-4 kulingana na dalili za ugonjwa kushika.<br>Tumia lita 200-400 za maji kwa hekta; tumia mililita 100 kwa lita 20 ya maji. |
| Mahindi | Grey leaf spot ( <i>Cercospora zeamaydis</i> )  | Lita 1.6/hekta    | Nyunyiza dawa kuzuia ama mwisho punde tu ugonjwa uonekanapo. Rudia kila baada ya wiki 3-4 kulingana na dalili za ugonjwa kushika.<br>Tumia lita 200-400 za maji kwa hekta; tumia mililita 160 kwa lita 20 ya maji. |

**FAHAMU:** Usitumie kemikali yenye usaidizi wa kushikisha dawa kwenye matawi kwani Abacus® Advance 125 SE tayari imeundwa na vishikanishi ndani yake.

### MUDA WA KUNGOJA KABLA YA KUVUNA:

Ngano siku 60

Mahindi siku 30

### MUDA WA KUNGOJA KABLA KUIINGIA MAHALI PALIPONYUNYIZIWA DAWA:

Masaa 24 ama kama uko na nguo za kujikinga

### **KUJUZUIA UZOEFU WA KUVU:**

Abacus® Advance 125 SE itumike kwa mujibu wa maelekezo kwa ajili ya matumizi kwa magonjwa lengo katika hali unaohitajika.

Tumia Abacus® Advance 125 SE kama sehemu ya 'Integrated Crop Management' huku ukitumia njia nyingine ya kudhibiti.

Usinyunyize Abacus® Advance 125 SE zaidi ya mara mbili kwa mfululizo na pia na dawa zilizo katika kikundi kimoja cha Abacus® Advance 125 SE.

**KWA MAELEZO MAALUM KUHUSU UVUMILIVU WA MMEA, WASILIANA NA WASAJILI HOLDER, BASF EAST AFRICA LTD**

### **TAHADHARI KWA MTUMIAJI:**

Hakuna mikakati maalum muhimu utahitajika kama kuhifadhiwa na kubebwa kwa dawa utafanywa kwa usahihi. Zuia dawa kumwagika kwenye mazao mengine, malisho ya mifugo, mito na mabwawa. Vaa nguo za kujikinga kama vile glavu na ovaroli. Tumia dawa katika eneo yenye hewa ya kutosha. Usipumue ukungu au mvuke. Usitumie dawa kabla ya kusoma maelezo kwenye kibandiko. usinywe wala usivute sigara unapotumia dawa hii. Mavazi ya kazi haipaswi kuruhusiwa nje ya mahali pa kazi. Oga mwili na sabuni na maji mengi baada ya kazi na ufue nguo za kujikinga na madhara ya dawa kabla ya kuzitumia tena.

### **KUHIFADHI:**

Hifadhi dawa ndani ya pakiti yake halisi mahali ambapo ni salama, kavu, na hakuna joto nyingi, penye hewa nyingi na ni mbali na chakula na watoto hawawezi kufikia. Hifadhi mahali palipo na joto isiyu chini ya nyuzi -5 au zaidi ya nyuzi 40.

### **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. Kwa kiasi kidogo cha dawa: Panguza dawa iliyomwagika na mchanga au vumbi inayopatikana wakati mbao inapopasuliwa (sawdust), sand n.k. Kwa kiasi kikubwa cha dawa: pampu dawa na vifaa vilivyofyonza dawa vitupwe mahali pazuri mbali kuambatana na sheria zilizoko. Osha mahali au vifaa vilivyomwagikiwa na dawa kwa maji mengi na sabuni.

### **HADHARI KWA MAZINGIRA:**

Dawa hii Ina madhara kwa viumbe vinavyoishi kwenye maji kama samaki. Usichafue vidimbwi vya maji kwa dawa hii au mabaki yake. Epuka uchafuzi kupitia mifereji kutoka kwenye nyumba za wanyama au barabara. Yaweza sababisha madhara ikivutwa na kumezwa. Kuna ushahidi mdogo kwa athari ya kansa. Yaweza sababisha mwasho kwenye ngozi. Kunaweza haribu mtoto tumboni.

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

**Mashauri:** Hakikisha dawa isimwagikie ngozi, macho na mavazi. Vua mavazi yenye dawa mara moja. Ukihisi hali mbaya ya afya utumiapo dawa hii, tafadhali muone daktari na umuonyeshe kibandiko cha dawa hii.

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

**Kushikwa kwa Ngozi:** Mara moja safisha vizuri kwa sabuni na maji, tafuta matibabu.

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

**Kumeza:** Mara moja suuza mdomo na kisha kunywa mililita 200-300 ya maji, tafuta matibabu.

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

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

**Dalili ya kusumika:** Yaweza sababisha madhara ikivutwa. Hatari ikimezwa. Inashukiwa kusababisha kansa. Inashukiwa kuharibu uzazi. Kunaweza kumduru mtoto ambaye hajazaliwa.

**Kiuasumu:** Hakuna tiba ijulikanayo kwa sasa. 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.

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Suspo-Emulsion  
FUNGICIDE (KIUAKUVU)

**GUARANTEE (DHAMANA):**

Pyraclostrobin 62.5 g/l  
Epoxiconazole 62.5 g/l

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81144840 KE 2070



Membership Number:  
Nambari ya Uanachama. **AAK/220**



**HARMFUL  
(HUDHURU)**

