L1134281 KENY/03D PPE 4227969

Mural® 45 WG

syngenta®

FUNGICIDE/KIUA KUVU
Wettable Granules

A fungicide for control of powdery mildew on Roses. (Kiua kuvu cha kudhibiti powdery mildew kwenye Waridi.)

GUARANTEE (DHAMANA):
Azoxystrobin 300 g/Kg +
Benzovindiflupyr 150 g/Kg

GROUP	11	7	FUNGICIDES

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

KEEP LOCKED OUT OF REACH OF CHILDREN (FUNGIA MBALI NA WATOTO)

COMMERCIAL AND AGRICULTURAL CLASS (KUNDI LA BIASHARA NA KILIMO)

REGISTRATION NO. (NAMBARI YA USAJILI): PCPB(CR)2526

Batch No. (Nambari Ya Kifurushi):
Date of Manufacture (Tahere ya Kutengenezwa):
Date of Expiry (Tumia Kabla):

SHELF LIFE: Two (2) years from the date of manufacture if tightly sealed in the original unopened container under cool, dry and well-ventilated place.

(MAISHA RAFUNI): Miaka miwili (2) kutoka siku ya kutengenezwa ikiwa kwenye chombo chake halisi kisichofunguliwa na ikihifadhiwa katika pahali pakavu, tulivu penye hewa safi.)

FRONT PAGE
TEXT AREA
98 x 130 mm

IN CASE OF POISONING, CALL TOLL FREE EMERGENCY No. (PANAPOTOKEA) MADHARA YA KUSUMIKA, PIGA NAMBARI YA DHARURA BILA MALIPO: 0800730030/0800720021 (**24 HOURS/ INAPATIKANA MASAA 24).**

Manufacturer (Watengenezaji):
Syngenta Crop Protection AG, CH 4002, Basel, Switzerland

Distributor (Wasambazaji): aak GROW
Syngenta East Africa Ltd. *NO.226*
P.O. Box 30393-00100 Nairobi, Kenya,
Tel.: +254 70 3018000 / 3019000
Email: syngenta.east_africa@syngenta.com

Product names marked ® or ™ , the ALLIANCE FRAME the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

NET CONTENT (KIPIMO): 1Kg

WHO Class III, Slightly hazardous

CAUTION (TAHADHARI)

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, OR 16 PAGE BOOKLET
(INCLUDING GLUE PAGE)

DESCRIPTION

Mural® 45 WG is a fungicide for control of powdery mildew on Roses.

Mode of Action

Mural® 45 WG contains two active ingredients: Azoxystrobin and Benzovindiflupyr. It has preventative and systemic properties.
Azoxystrobin belongs to Group 11 of FRAC mode of action classification. It is a Quinone outside Inhibitors (QoI) fungicide.
Azoxystrobin possesses a novel biochemical mode of action.
It inhibits spore germination and the early stages of fungal development; this confers excellent protection against invasion by fungal pathogens. Azoxystrobin also confers anti-sporulant activity against powdery mildew.
Benzovindiflupyr belongs to Group 7 of FRAC mode of action classification. It is a succinyl dehydrogenase inhibitor (SDHI).
Benzovindiflupyr is a broad-spectrum foliar fungicide, the very high affinity to succinate dehydrogenase results in its high intrinsic activity. This, together with strong binding to the plant's wax layer, provides long-lasting disease control.
Mural works best when used as part of a preventative disease management program.

TEXT AREA
98 x 130 mm

Mixing instructions: Thoroughly clean spray equipment, then fill the spray tank with ½ the required amount of water. While agitating, add the required amount of Mural® 45 WG then fill the remainder of the water. Begin application after Mural® 45 WG has completely dispersed into the water. Agitate the spray solution before and during the application.

Directions for Use

Crop	Disease	Application Rate	Timing & Frequency of Application
Roses	Powdery mildew	300 g/ha **Spray volume:** 1000L/ha	Begin applications before disease development. A maximum of 2 applications at an interval of 7days.

Re-entry interval (REI): DO NOT enter treated area before spray deposits dry.

Resistance management: Repetitive use of Mural® 45 WG can lead to pesticide resistance. It is recommended that Mural® 45 WG is alternated with pest control products with a different MODE OF ACTION as well as adhere to good farming practices.

Application Technique / Parameters

Equipment

Mural® 45 WG may be applied by tractor-mounted boom sprayer or hand-held equipment (knapsack sprayer).

Calibration

All application equipment must be properly calibrated before use and be able to provide thorough and even coverage of the whole plant.

Cleaning

Immediately after use, clean the spray equipment thoroughly. Drain the system completely and rinse spray tank, boom and nozzles two to three times with clean water until the foam and all traces of the formulation have been removed.

HAZARDS/PRECAUTIONS

HAZARDS: Mural® 45 WG is harmful if swallowed. May cause an allergic skin reaction or eye irritation.

PRECAUTIONS: Mural® 45 WG is a mild eye irritant, avoid contact with eyes. Wear impermeable gloves, overalls, eye/face protection and solid footwear when mixing and during application. DO NOT eat, drink or smoke while working. Wash hands and face before eating, drinking or smoking. After work: Wash thoroughly (shower, bath, wash hair). Wash hands and face thoroughly. Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap and water.

STORAGE: Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight and away from food and animal feed. **KEEP LOCKED AWAY AND OUT OF REACH OF CHILDREN, UNAUTHORIZED PEOPLE AND ANIMALS.**

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, 16 OR 20 PAGE BOOKLET
(INCLUDING GLUE PAGE)
THE PENULTIMATE PAGE IS PERMANENTLY AFFIXED TO THE BOTTLE.
REPEAT LEGAL REQUIREMENTS IF NECESSARY (eg. FRONT PAGE)
TEXT AREA
98 x 150 mm

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, OR 16 PAGE BOOKLET
(INCLUDING GLUE PAGE)

DISPOSAL: Triple rinse empty container and add washings/rinse off to spray mixture, then perforate or puncture holes on empty sachets then deliver empty sachets at an authorized county designated collection centres. Do not pour rinsate into any drain or on any site in close proximity to human or animal habitation, water sources, water ways or water bodies. **Do not reuse empty pesticide containers for any other purpose.**

Accidental Release: Keep people away from the spill area, use personal protective equipment when cleaning up the spill. Do NOT wash away into sewer. Do NOT let this chemical enter the environment, Pour the contents of leaking container in empty container that originally held same product or put leaking container into a larger, clearly labelled, container. Sweep spilled substance gently into containers; if appropriate, moisten first to prevent dusting.

ENVIRONMENTAL HAZARDS

TEXT AREA
98 x 130 mm

Benzovindiflupyr and azoxystrobin are toxic to fish and aquatic invertebrates. Benzovindiflupyr is toxic to mammals. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated area. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash water or rinsate. The active ingredients in this product can be persistent for several months or longer.

FIRST AID INSTRUCTIONS

If poisoning occurs, immediately contact a Doctor or Poisons Information Centre (Phone: **0800730030 OR 0800720021**), and follow the advice given. Show this Label, container or/and Safety data sheet (SDS) to the Doctor.

If inhaled: Move the victim to fresh air.

Keep patient warm and at rest. Call a physician or poison control centre immediately.

In case of skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation

persists, call a physician. Wash contaminated clothing before re-use.
In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
If swallowed: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Note: Never give anything to an unconscious patient and never induce vomiting. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

TOXICOLOGICAL INFORMATION
Antidote and remedial measures: There is no specific antidote available.
Symptoms of poisoning: May cause skin and eye irritation.
Ingredients that may affect treatment: None.
Note to the Doctor: Treat symptomatically.
IN CASE OF POISONING, CALL TOLL FREE EMERGENCY No.: 0800730030/0800720021 **(24 HOURS).**

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 (Cap. 346) 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 in that condition.

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, 16 OR 20 PAGE BOOKLET
(INCLUDING GLUE PAGE)
THE PENULTIMATE PAGE IS PERMANENTLY AFFIXED TO THE BOTTLE.
REPEAT LEGAL REQUIREMENTS IF NECESSARY (eg. FRONT PAGE)
TEXT AREA
98 x 130 mm

MAELEZO

Mural® 45 WG ni kiua kuvu cha kudhibiti 'powdery mildew' kwenye waridi.

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, OR 16 PAGE BOOKLET
(INCLUDING GLUE PAGE)

Inavyofanya kazi

Mural® 45 WG ina viungo viwili: Azoxystrobin and Benzovindiflupyr. Ina uwezo wa kuzuia na kutibu magonjwa.
Azoxystobin iko katika Kikundi 11 cha FRAC na ni kizuizi cha Quinone (QoI).
Benzovindiflupyr iko katika Kikundi 7 cha FRAC na ni kizuizi cha succinyl dehydrogenase (SDHI).

Kuchangana na maji: Safisha kabisa vifaa vya kunyunyizia dawa, kisha jaza nusu ya bomba na maji. Ukiwa unatikisa, ongeza kiwango kinachohitajika cha Mural® 45 WG kisha ujaze maji yaliyosalia. Anza kunyunyiza baada ya Mural® 45 WG kutawanyika kabisa ndani ya maji. Tikisa mchanganyiko la dawa kabla na wakati wa kunyunyiza.

Maelezo ya Kutumia

TEXT AREA
98 x 130 mm

Mmea	Ugonjwa	Kiasi cha dawa	Wakati wa kunyunyiza
Waridi	Powdery mildew	Gramu 300 / hekta **Kiasi cha maji:** Lita 1000/hekta	Anza kunyunyiza kabla ya ugonjwa kuonekana. Nyunyiza mara 2 kwa msimu, kila baada ya siku 7

Wakati wa kuingia sehemu iliyonyunyiziwa dawa: Usiingie sehemu iliyonyunyiziwa kabla dawa haijakauka.

Kudhibiti ukinzani: Matumizi ya mara kwa mara ya Mural® 45 WG inaweza kusababisha ukinzani. Inapendekezwa kuwa baada ya kunyunyiza Mural® 45 WG, badilisha na dawa yenye uamilifu tofauti na uzingatie njia bora za kilimo.

Maelezo ya kunyunyiza

Vifaa

Mural® 45 WG inaweza kunyunyizwa kutumia boom ya trekta au vifaa vya kushikilia mkono.

Upimaji
Vifaa vyote vya kunyunyiza lazima vipimwe vizuri kabla ya matumizi ili kuweza kutoa dawa kamili ka mmea wote.

Kusafisha
Mara tu baada ya matumizi, safisha vifaa vya dawa vizuri. Osha mfumo kabisa na suuza tanki la dawa, boom na nozeli mara mbili hadi tatu na maji safi.

MADHARA/TAHADHARI
MADHARA: Mural® 45 WG inadhuru ikimezwa. Husababisha kuwasha kwa na ngozi na macho.
TAHADHARI: Mural® 45 WG inaweza kusababisha kuwashwa kwa ngozi na macho. Vaa glavu zisizopitisha dawa, ovaroli, kinga ya macho/uso na viatu wakati unapochanganya na wakati wa kunyunyiza. USILE, KUNYWA AU KUVUTA SIGARA wakati wa kazi. Osha mikono na uso kabla ya kula, kunywa au kuvuta sigara.
Baada ya kazi: Osha kabisa (oga, osha nywele). Osha mikono na uso vizuri. Badilisha mavazi. Safisha kabisa vifaa vya kujikinga. Safisha kabisa vifaa kwa sabuni na maji.

KUHIFADHI: Hifadhi kwenye chombo asilia kilichofungwa kwenye sehemu kavu, yenye ubaridi na kwenye hewa safi bila jua moja kwa moja na mbali na chakula na chakula cha mifugo. **WEKA MBALI NA WATOTO, WATU WASIORUHUSIWA NA WANYAMA.**

UTUPAJI: Suuza mikebe na mapipa mitupu mara tatu kisha ongeza maji yenye dawa kwenye bomba la kunyunyiza. Toboa na kupondaponda kabisa mikebe na mapipa mitupu ya dawa kisha upeleke kwenye kituo kinachohidhinishwa na kutengwa kwa ukusanyaji. Usimwage maji iliyo na dawa kwenye sehemu ya kutoa maji, vyanzo vya maji au karibu na makao ya watu au wanyama. USITUMIE mikebe au mapipa ya dawa kwa kazi ingine yoyote.

Kumwagika au kuvuja kwa dawa: Zuia watu mbali na sehemu iliyo na dawa. Vaa nguo za kujikinga wakati unapotoa dawa iliyomwagika. Usimwage dawa kwenye sehemu ya kutoa maji na usiwachilie dawa iingie kwenye mazingira. Mwaga dawa yaliyomo

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, 16 OR 20 PAGE BOOKLET
(INCLUDING GLUE PAGE)
THE PENULTIMATE PAGE IS PERMANENTLY AFFIXED TO THE BOTTLE.
REPEAT LEGAL REQUIREMENTS IF NECESSARY (eg. FRONT PAGE)
TEXT AREA
98 x 130 mm

kwenye mkebe linalovuja kwenye mkebe tupu lililokuwa na dawa kama hilo, au kwenye mkebe kubwa, ililoandikwa wazi wazi. Fagia dawa iliyomwagika kwa utaratibu kwenye vyombo; ikiwa inafaa, loanisha kwanza kuzuia vumbi.

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, OR 16 PAGE BOOKLET
(INCLUDING GLUE PAGE)

MADHARA KWA MAZINGIRA:

Benzovindiflupyr na azoxystrobin ni sumu kwa samaki na viumbe wa majini. Benzovindiflupyr ni sumu kwa wanyama pori. Usimwage kwa maji au kwa maeneo ambayo maji ya juu yapo. Usichafue maji kwa kutupa vifaa vya dawa, kusafisha vifaa vya dawa au . Viungo kwenye dawa hii vinaweza kubaki kwa mazingira kwa muda wa miezi kadhaa au zaidi.

MAELEZO YA HUDUMA YA KWANZA

Iwapo patatokea madhra ya kusumika, wasiliana mara moja na Daktari au Kituo cha Taarifa kuhusu Sumu (Simu: **0800730030 AU 0800720021**), na ufuate ushauri uliotolewa. Onyesha kibandiko au/na safety data sheet (SDS) kwa Daktari.

Ikivutwa: Peleka mgonjwa katika sehemu yenye hewa safi. Weka mgonjwa awe na joto na apumzike. Piga simu kwa daktari au kituo cha kudhibiti sumu mara moja.

TEXT AREA
98 x 130 mm

Ikigusa ngozi: Toa nguo zote zilizichafuka. Oga haraka kwa maji mengi na safi. Kama kuwasha ngozi kumeendelea, mpigie simu daktarin. Nguo zilizochafuka zifuliwe vizuri kabla ya kutumia.

Ikigusa macho: Osha haraka kwa maji mengi na safi, pia chini ya kope, kwa angalau dakika 15. Ondoa lensi kama umevaa. Matibabu ya haraka yanahitajika.

Ikimezwa: Ikimezwa, daktari aitwe mara moja na aonyeshwe kibandiko hiki au mkebe wa dawa. Mgonjwa asitapishwe. Mgonjwa aliyepoteza fahamu asilishwe au kunyweshwa kitu chochote kwa njia ya mdomo, na wala asitapishwe. **PELEKA MJERUHI KWA DAKTARI.**

MAELEZO YA SUMU

Kiuasumu: Hakuna kinga maalum. Muone daktari.
Dalili za sumu: kuwashwa kwa macho au ngozi.
Viungo vinavyoweza kuathiri matibabu: Hakuna.
Kwa daktari: Tibu kulingana na dalili.

PANAPOTOKEA MADHARA YA KUSUMIKA, PIGA NAMBARI YA DHARURA BILA MALIPO: 0800730030/0800720021 **(INAPATIKANA MASAA 24).**

ILANI KWA MTUMIAJI:
Dawa hii ni sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za madawa ya kuangamiza wadudu waharibifu (Cap. 346) kutumia au kuhifadhi dawa hii katika hali isiyo salama.

THIBITISHO:
Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ambayo 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 iliyo.

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, 16 OR 20 PAGE BOOKLET
(INCLUDING GLUE PAGE)
THE PENULTIMATE PAGE IS PERMANENTLY AFFIXED TO THE BOTTLE.
REPEAT LEGAL REQUIREMENTS IF NECESSARY (eg. FRONT PAGE)
TEXT AREA
98 x 130 mm

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, OR 16 PAGE BOOKLET
(INCLUDING GLUE PAGE)

TEXT AREA
98 x 130 mm

THESE PAGES CAN BE ADDED OR REMOVED AS NECESSARY
TO CREATE A 4, 8, 12, 16 OR 20 PAGE BOOKLET
(INCLUDING GLUE PAGE)

THE PENULTIMATE PAGE IS PERMANENTLY AFFIXED TO THE BOTTLE.
REPEAT LEGAL REQUIREMENTS IF NECESSARY (eg. FRONT PAGE)

TEXT AREA
98 x 130 mm

NO TEXT HERE
GLUE PAGE
97 x 134 mm