

SEE ENCLOSED LEAFLET FOR FULL DETAILS

INHIBIT[®] 480 SC

ZEMA Reg. No.

FUNGICIDE GROUP CODE 11 & 3

Broad spectrum suspension concentrate fungicide with systemic, trans-laminar and contact properties for the preventive control of different leaf diseases in crops as listed.

Active ingredients:

Azoxystrobin (strobilurin) 240 g/ℓ
Tebuconazole) 240 g/ℓ

Hazard Statement

H319 Causes serious eye irritation.
H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects

Manufacturer & Supplier:

Nulandis, a division of AECI LTD
14 Field Road, Lilianton, Boksburg, 1459,
South-Africa
Tel: +27 11 823 8000



INHIBIT[®] is a registered trademark of AECI Limited (Nulandis[®], a division of AECI Ltd)

Precautionary Statements

P260 Do not breathe mist/ vapours/ spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE/doctor if you



Local Distributor:

ATS Agrochemicals Ltd.
Stand 3143, Mukwe Road, Lusaka
Zambia
Tel: +260 1 246 724-6



Net Volume:

UN No: 3082 - Environmentally hazardous substance, liquid, n.o.s.

Batch No:
Manufacturing date:
Expiry Date:

P7583



WARNING



INHIBIT™ 480 SC

Broad spectrum suspension concentrate fungicide with systemic, trans laminar and contact properties for the preventive control of different leaf diseases in crops as listed.

FUNGICIDE GROUP CODE 11 & 3

ACTIVE INGREDIENT:

Azoxystrobin (strobilurin) 240 g/
Tebuconazole..... 240 g/

REGISTRATION HOLDER :

Nulandis® (A division of AECL Limited)

Reg. No. 1924/002590/06

P.O. Box 14418

Witfield, 1467

Tel : (011) 823 8000



DISTRIBUTOR:

ATS Agrochemicals Ltd.

Stand 3143, Mukwe Road,

Lusaka, Zambia

Tel: +260 1 246 724-6

CAUTION

WARNINGS:

ALLOW THE FOLLOWING MINIMUM NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVESTING;

DRY BEANS	14 DAYS AND 42 DAYS FOR GRAZING
GROUNDNUTS	28 DAYS
MAIZE AND SWEETCORN	14 DAYS
POTATOES	14 DAYS
TOMATOES	7 DAYS
WHEAT	77 DAYS AND 77 DAYS FOR GRAZING

Harmful if swallowed or inhaled.

- Toxic to fish and harmful to other aquatic life. May cause long-term adverse effects in aquatic environments.
- Avoid contact with skin or eyes since product may cause eye and skin irritation, and skin sensitisation.
- Store away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

In case of poisoning – CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM.

ALTHOUGH THIS REMEDY HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS THE REGISTRATION HOLDER DOES NOT WARRANT THAT IT WILL BE EFFICACIOUS UNDER ALL CONDITIONS BECAUSE THE ACTION AND EFFECT THEREOF MAY BE AFFECTED BY FACTORS SUCH AS ABNORMAL SOIL, CLIMATIC AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE DISEASES AGAINST THE REMEDY CONCERNED AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT OR HARM TO MAN OR ANIMAL OR FOR LACK OF PERFORMANCE OF THE REMEDY CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS OR TO THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

Aerial application : notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

PRECAUTIONS:

- Do not eat drink or smoke whilst handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Avoid contact with skin or eyes and inhalation of spray mist.
- Wear rubber gloves and a face shield when handling the product. If you get product in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash them.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsing to the contents of the spray tank before destroying the container.
- While spraying, avoid contact with the spray as much as possible. Avoid spray drift onto other crops, grazing, rivers or dams.
- Clean applicator thoroughly after use and dispose of cleansing water where it will not contaminate crops, grazing, rivers or dams.
- Destroy empty container and do not use for any other purpose.
- Change and wash your work clothes. Wash yourself.

FIRST-AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

Note to physician: Treat symptomatically.

RESISTANCE WARNING:

For resistance management, **INHIBIT 480 SC** is classified as a group code 11 and 3 fungicide. Any fungus population may contain individuals naturally resistant to **INHIBIT 480 SC** and other group code 11 and 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly and exclusively in programs. These resistant fungi may not be controlled by **INHIBIT 480 SC** or any other group code 11 and 3 fungicides.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate with products from different fungicide group codes.
- Refer to individual product labels when alternating products or when using tank mixtures.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

GENERAL:

- **INHIBIT 480 SC** should always be applied preventively as prescribed in the recommendations table.
- **INHIBIT 480 SC** must be applied as a full cover spray.
- Do not reduce the dosage rates below that recommended on the label.
- Never use **INHIBIT 480 SC** as a corrective or curative treatment or after the unsuccessful application of any product.
- When tank mixing or alternating with other fungicides, use mixing partners that provide satisfactory disease control when used alone at the mixing rate.
- For specific information on resistance management contact the registration holder of this product (Nulandis, a division of AECL Ltd.) or visit the FRAC website at <http://www.frac.info/frac/index.html>.

DIRECTIONS FOR USE: Use only as indicated.

COMPATIBILITY:

The use of adjuvants such as **Bladbuff 5™** for better water quality and **OROSORB®** for better spreading and uptake of **INHIBIT 480 SC** are strongly recommended.

INHIBIT 480 SC is compatible with most fungicides, insecticides and acaricides with the exception of products containing heavy metals.

The compatibility of **INHIBIT 480 SC** may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Nulandis and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

MIXING INSTRUCTIONS:

Half-fill the spray tank with clean water. Add the required amount of **INHIBIT 480 SC** to the spray tank and top up with water to the required volume while agitating continuously.

If **INHIBIT 480 SC** needs to be used in tank mix combinations, full cognisance must be taken of all warnings, precautions and directions for use on that label. First, mix small quantities of the chemicals separately with water. Check for any signs of incompatibility e.g. flocculation etc. It is recommended to add **INHIBIT 480 SC** first and the mixing partner second while agitating. If mixing partners are packed in water-soluble bags, add the soluble bags first and then **INHIBIT 480 SC**.

When using adjuvants, **Bladbuff 5™** should be added first to correct water quality as per **Bladbuff 5™** label instruction and the **OROSORB®** should be added last of all at 100 ml/100L with a minimum of 200 ml/ha, where water volume is less than 200 L/ha.

Continue agitation throughout application and do not allow the tank mixture to stand still for any period of time.

APPLICATION:

Ensure that the applicator to be used is in a good working condition and correctly calibrated. Use the spray volumes as indicated in the relevant tables to ensure good coverage. Ensure thorough agitation of the mixture in the tank during mixing and spraying. Avoid spray overlap as crop injury may occur.

Influence of rain on application:

Should it rain within two hours after application, the application must be repeated.

Ground Application

INHIBIT 480 SC may be applied with conventional high volume spray equipment. Calibrate the apparatus before application to ensure that the correct dosage is applied. The distribution of the spray volume must be uniform throughout the target area.

Ensure good coverage of the whole plant (the stems and leaves) by using enough water and suitable spraying equipment. Do not apply through any ultra-low volume (ULV) spray system.

Aerial application:

Avoid chemical drift at all times

Aerial application of **INHIBIT 480 SC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (Aerial Application of Agricultural Remedies). It is important to ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. Thorough coverage is essential for effective results. Use only in crops where aerial application is indicated. It is therefore essential that the following criteria are met:

a) Application parameters:

- **Volume:** A volume of 30 - 40 l water/ha is recommended. As **INHIBIT 480 SC** has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy or be held responsible for any adverse effects if the product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** Droplet coverage of 25 - 35 droplets per cm² must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 280 - 300 microns is recommended.

Ensure that the production of fine droplets (less than 150 microns - high drift & evaporation potential) is restricted to a minimum.

- **Flying height:** The height of the spray boom should be maintained at 3 - 4 metres above the target. Do not spray when aircraft is in a climb, at the top or during a dive, or when banking.

b) Equipment:

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage but which will ensure the minimum loss of product either through endodrift (within target field) or exodrift (outside target field).
- The operator must use a setup that will produce a droplet spectrum with the lowest possible Relative Span.
- All nozzles / atomisers should be positioned within the inner 60% to 75% of the wingspan to prevent droplets from entering the wingtip vortices.

c) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km/h or reduces to less than 5 km/h.
- Aerial application of **INHIBIT 480 SC** must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur. Also note that the application of this product under temperature inversion conditions (spraying in or above the inversion layer) may lead to the following:
 - Reduced efficacy due to suspension and possible evaporation of small droplets in the air (inadequate coverage)
 - Damage to other sensitive crops and/or non-target areas through the movement of the suspended spray cloud away from the target field.
- Under the following climatic conditions drift could occur more than 3 to 5 km from the nearest spray path of the aircraft:
 - Cloudy weather with relative humidity above 80 % and low air movement of less than 5 km per hour. When such conditions prevail, aerial application should **NOT** be carried out where sensitive crops, crop seedlings or deciduous fruit trees e.g. apples in budding or early development stages are present within 5 km of the nearest spray path of the aircraft.
- Ensure that the aerial spray operator knows which fields to spray. Supply the precise identification to the operator of the fields to be sprayed preferably by means of a map or GPS coordinates. Indicate to the operator adjacent environmental sensitive areas or sensitive neighbouring crops, beehives or water sources that could be affected by the pesticide.
- Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

RECOMMENDATIONS:

CROP / DISEASE	DOSAGE	REMARKS:	SPRAY VOLUME:
DRY BEANS Anthrachnose (<i>Colletotrichum lindemuthianum</i>) Rust (<i>Uromyces appendiculatus</i>)	Ground application 80ml/100l at 100l water/ha	• Apply two (2) consecutive sprays 14 days apart starting at flower initiation. • Do not exceed two (2) applications of INHIBIT 480 SC per season.	Tractor application: 200 - 400 water/ha
MAIZE AND SWEETCORN Grey leaf spot (<i>Cercospora zeina</i>) Northern corn leaf blight (<i>Exserohilum turcicum</i>) Rust (<i>Puccinia sorghi</i>)	Ground and aerial application 400 ml/ha	• Start application before 3 % of the total leaf shows disease symptoms OR when symptoms are present on the basal 3 - 5 leaves. • In all cases, but particularly with northern leaf blight, it is vitally important that applications are purely preventative, i.e. applications are made timorously, for effective disease control. • Applications must be made at 21 - 28 day intervals. Use the shorter application interval if disease pressure is very high. • With short season hybrids when the first spray was applied after pollination, it will probably be sufficient to control the disease (further sprays may not be necessary). • In certain cases where the initial application was applied at a very early stage, a third application may be made. • Do not make more than three (3) applications of INHIBIT 480 SC per season.	Tractor application: 200 - 360 water/ha High clearance tractor application: 120 - 240 water/ha Aerial application: 24 - 32 water/ha

CROP / DISEASE	DOSAGE	REMARKS:	SPRAY VOLUME:
POTATOES Early blight (<i>Alternaria solani</i>)	Ground and aerial application 350 ml/ha	Apply in blocks of two (2) consecutive sprays 7 - 10 days apart when the weather favours the disease. • Alternatively, applications can be repeated at 14 day intervals, provided that these applications are alternated every 7 days with other products registered for early blight control. • INHIBIT 480 SC alternated with CHLOROFLO 500 SC in a 7 day cycle will also control late blight (<i>Phytophthora infestans</i>) preventatively. • Due to reduced efficacy, aerial application is only recommended when prevailing conditions preclude application by tractor. • Do not exceed four (4) applications of INHIBIT 480 SC per season.	Tractor application: 250 - 750 water/ha Aerial application: 30 - 40 water/ha
SOYBEANS Soybean rust (<i>Phakopsora pachyrhizi</i>)	325ml/ha	Apply at first signs of disease and repeat 14 - 21 days later. If weather conditions favour disease development (temperatures of 15 - 28 degrees C and high humidity) use shorter interval. If the disease appears during flowering or early pod-fill more than one spray may be necessary. Should disease appear late in the growing season, a single application will be sufficient. Ensure thorough coverage of the whole plant	Tractor application: 300 - 500 water/ha
SUGARCANE Brown rust (<i>Puccinia melanocephala</i>)	Ground application 400 ml/ha	• Apply two (2) consecutive sprays 14 - 21 days apart starting at first signs of disease. • Do not exceed two (2) applications of INHIBIT 480 SC per season.	
TOMATOES Early blight (<i>Alternaria solani</i>)	Ground application 80 ml/100 l water	• Apply in blocks of two (2) consecutive sprays 7 - 10 days apart when the weather favours the disease. • Alternatively, applications can be repeated at 14 day intervals, provided that these applications are alternated every 7 days with other products registered for early blight control. • INHIBIT 480 SC alternated with CHLOROFLO 500 SC in a 7 day cycle will also control late blight (<i>Phytophthora infestans</i>) preventatively. • Do not exceed four (4) applications of INHIBIT 480 SC, or four (4) applications of products containing azoxystrobin, or four (4) applications of products containing difenoconazole per season.	Tractor application: 350 - 980 water/ha
WHEAT Leaf rust (<i>Puccinia recondita</i>)	Ground application 300-400ml in 300l water/ha	Leaf rust: Spray when symptoms are noticed but before the appearance of the flag leaf. Repeat the application if re infection occurs	

Chloroflo 500 SC is registered trade name of Nulandis, a division of AECI Ltd.
Bladbuff 5™ is a pending trademark of AECI Limited (Nulandis, a division of AECI limited)
OROSORB® is a registered trademark of Oro Agri SA (Pty) Ltd.