



Antracol[®]

70 WP

25 kg

Fungicide

A wettable powder fungicide for the control of the diseases mentioned on the crops listed.

SEE ENCLOSED PAMPHLET FOR FULL PARTICULARS

Reg. No. L2065 (Act No. 36 of 1947)
Namibian Reg No. N-AR 1364

A wettable powder fungicide for the control of the diseases mentioned on the crops listed.

SIEN INGESLOTTE PAMFLET VIR VOLLEDIGE BESONDERHEDE

Reg. Nr. L2065 (Wet Nr. 36 van 1947)
Namibiëse Reg. Nr. N-AR 1364

'n Benatbare poeier swamdoder vir die beheer van die genoemde siektes op gewasse soos aangedui.

GROUP / GROEP **M3** FUNGICIDE / SWAMDODER



WARNING

HAZARD STATEMENTS:

Harmful if swallowed. May cause an allergic skin reaction. May cause damage to organs (Thyroid, Peripheral nervous system) through prolonged or repeated exposure if inhaled or swallowed. Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

Do not breathe dust or mist. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.

Active ingredient:

Propineb (dithiocarbamate) 700 g/kg

Aktiewe bestanddeel:

Propineb (ditiokarbamaat) 700 g/kg

REGISTERED BY / GEREGISTREER DEUR: Bayer (Pty) Ltd / (Edms) Bpk

Reg. 1968/011192/07

P.O. Box/Posbus 143, Isando, 1600 South Africa/Suid-Afrika

TEL: (OFFICE HOURS) / (KANTOORURE) (011) 921 5911

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL ASSEBLIEF: 0861 555 777

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Antracol[®] is 'n geregistreerde handelsmerk van die Bayer Groep

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BATCH NUMBER / LOTNOMMER: See on pack

DATE OF MANUFACTURE / DATUM VERVAARDIG: Sien op houer

UN No. / VN Nr.: 3077



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WARNINGS:

HAZARD STATEMENTS:

- Harmful if swallowed.
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- May cause damage to organs (Thyroid, Peripheral nervous system) through prolonged or repeated exposure if inhaled or swallowed.
- Very toxic to aquatic life with long lasting effects.

- ALLOW 3 DAYS BETWEEN LAST APPLICATION AND HARVEST ON TOMATOES.

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the treated crop is intended for the export market, consult the relevant exporting body before application of the product, regarding pre-harvest interval requirements.

- 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.
- **AERIAL APPLICATION:** Notify all inhabitants of the area to be sprayed and issue necessary warnings. Do not spray over or allow drift to contaminate water of adjacent areas.
- **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 CLIMATIC AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER; COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE DISEASE 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.**

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

- Do not breathe dust or mist.
 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
 - IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.
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- Do not eat, drink or smoke whilst mixing and applying or before washing hands and face and change of clothing.
 - Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
 - Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
 - The container is rinsed by filling one quarter to one-third with clean water, replacing the cap and shaking vigorously for 30 seconds. The rinse is then added to the contents of the spray tank. This rinsing procedure is repeated a further two times (i.e. three times in all) with a final draining into the spray tank. Rinsed containers should then be punctured and stored safely with their caps off until they can be properly disposed of.
 - Destroy empty containers (by perforation and flattening) and never use for any other purpose.
 - Prevent contamination of food, feedstuffs, drinking water and eating utensils.

AERIAL APPLICATION:

Aerial application of **Antracol 70 WP** 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 Pesticides). 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. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 30 to 40 ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 50 to 70 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 250 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.

- Use suitable **atomising equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the **wingtip vortices**.
- 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.
- Stop spraying under **turbulent**, unstable and dry conditions during the heat of the day.
- Spraying under temperature **inversion conditions** (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- 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.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

COMPATIBILITY:

Antracol 70 WP is compatible with most pesticides.

MIXING INSTRUCTIONS:

Mix the required quantity of **Antracol 70 WP** with a little water to form a thick cream. Add the rest of the water and agitate well.

APPLICATION TABLE:

CROP/DISEASE	DOSAGE	REMARKS
TOMATOES Early and late blight	200 g/100 ℓ water (500-3 000 ℓ spray mixture/ha)	Apply 500 ℓ spray mixture/ha after transplanting and increase spray volume up to 3 000 ℓ later in the season so as to ensure thorough coverage. Apply a maximum of 6 applications per season. (Handheld applications should not be made during later crop stages when plants start to meet between rows).
POTATOES Early and late blight	GROUND APPLICATION: 2 kg/ha in 500-1 500 ℓ water/ha AERIAL APPLICATION: 2 kg/ha in 30-40 ℓ water/ha	Apply as high volume sprays. Apply a maximum of 6 applications per season. (Handheld applications should not be made during later crop stages when plants start to meet between rows).

NOTE: Commence spraying when Blight conditions (cool, overcast conditions followed by humid weather) occur, and continue at 7-10 day intervals. Repeat after rain or overhead irrigation.

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WAARSKUWINGS:

GEVAARVERKLARINGS:

- Skadelik indien ingesluk.
- Mag allergiese velreaksie veroorsaak.
- Mag skade aan organe veroorsaak (Skildklier, Perifere senuweestelsel) deur langdurige of herhaalde blootstelling indien ingesem of ingesluk.
- Baie giftig vir waterlewendes organismes met langdurige gevolge.

- MOENIE BINNE 3 DAE VOOR DIE OES VAN TAMATIES.

LET WEL: Die aanbevole onthoudingsperiode tussen laaste toediening en oes voldoen aan die vereistes vir plaaslike residuvlakke maar mag dalk nie voldoen aan die vereistes vir uitvoer nie. Indien die behandelde gewas bestem is vir die uitvoermark, skakel met die betrokke uitvoerliggaam voor toediening van die produk, rakende onthoudingsperiodes.

- Hou buite bereik van kinders, oningeligte persone en diere.
- **HERBETREDING:** Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.
- **LUGBESPUITING:** Stel alle inwoners van die gebied in kennis van die terrein wat bespuit gaan word en reik die nodige waarskuwings uit. Moenie oor water of aangrensende gebiede spuit nie, en verhoed besoedeling as gevolg van spuitstofwegdrywing
- **ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSEIDENHEID TOESTANDE GETOETS IS WAARBORG DIE REGISTRASIEHOUER NIE DAT DIT ONDER ALLE TOESTANDE DOELTREFFEND SAL WEES NIE AANGESIEN DIE WERKING EN EFFEK DAARVAN BEÏNVOED KAN WORD DEUR FAKTORE SOOS ABNORMALE KLIMAATS- EN BERGINGSTOESTANDE; KWALITEIT VAN VERDUNNINGSWATER; VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE EN DIE VOORKOMS VAN WEERSTAND VAN DIE SIEKTE TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAATHEID VAN TOEDIENING. VERDER AANVAAR DIE REGISTRASIEHOUER NIE VERANTWOORDELIKHEID VIR SKADE AAN GEWASSE, PLANTEGROEI, DIE OMGEWING OF VIR NADELIGE EFFEK OP MENS OF DIER OF VIR 'N GEBREK AAN PRESTASIE VAN DIE BETROKKE MIDDEL AS GEVOLG VAN DIE VERSUIM VAN DIE GEBRUIKER OM ETIKETAANWYSINGS NA TE KOM OF AS GEVOLG VAN DIE ONTSTAAN VAN TOESTANDE WAT NIE KRAGTENS DIE REGISTRASIE VOORSIEN KON WORD NIE. RAADPLEEG DIE VERSKAFFER IN DIE GEVAL VAN ENIGE ONSEKERHEID.**

VOORSORGMATREËLS:

VOORSORGSVERKLARINGS:

- Moet nie poeier/stuifsel inasem nie.
- Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigbeskerming.
- **INDIEN** blootgestel of besorg: Kry onmiddellik mediese noodhulp.

- Moet nie eet, drink of rook tydens vermenging, toediening of voordat hande en gesig gewas is, en skoon klere aantrek is, nie.
- Verhoed spuitstofwegdrywing na ander gewasse, weiding, riviere, damme en oppervlaktes wat nie behandel word nie.
- Maak spuitapparaat skoon na gebruik - raak van uitspoelwater ontslae waar dit nie gewasse, riviere en damme sal besoedel nie.
- Die houer word uitgespoel deur skoon water te gebruik en die houer kwart tot n derde vol te maak met die water, plaas die houer se prop weer terug en skud vir 30 sekondes. Die skoonmaakproses word twee maal herhaal (total van drie keer word aanbeveel) die finale skoongemaakte oplossing moet in die spreitenk teruggeplaas word. Gate moet in skoongemaakte houers gemaak word en hulle moet sonder proppe veilig bewaar wor tot dat hulle veilig vernietig kan word.
- Vernietig leë houer (deur gate in die houers te maak en die leë houer plat te druk). Vernietigde houers moet vir geen ander doel aangewend word nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

LUGTOEDIENING:

Antracol 70 WP kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n Spuitmengsel volume van 30 tot 40 l per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppel bedekking:** 50 tot 70 druppels per cm² moet op die teikenarea herwin word.

- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 250 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik, uitklm of draai nie.
- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binnste 60 tot 75 % van die vlerkspan om te verhoed dat druppels binne-in die **vlerkpuntvorteks** beweeg.
- Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaaighrometer, moet nie 8 °C oorskry nie.
- Stop bespuiting indien die **windspoed** 15 km/uur oorskry.
- Stop bespuiting tydens **turbulente**, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur **inversie toestande** (deur bo of binne die inversie laag te spuit) en/of **hoë lugvog toestande** (relatiewe humiditeit 80 % en meer) mag tot volgende probleme aanleiding gee:
 - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI.

VERENIGBAARHEID:

Antracol 70 WP kan met die meeste plaagbeheermiddels gemeng word.

MENGINSTRUKSIES:

Meng die benodigde hoeveelheid **Antracol 70 WP** met 'n bietjie water tot 'n dik room. Voeg balans van die water by en roer goed.

TOEDIENINGSTABEL

GEWAS/SIEKTE	TOEDIENINGSHOEVEELHEID	OPMERKINGS
TAMATIES Vroeë- en laatroes	200 g/100 ℓ water (500-3 000 ℓ spuitmengsel/ha)	Dien 500 ℓ spuitmengsel/ha toe na uitplanting en vermeerder tot 3 000 ℓ deur die seisoen om deeglike bedekking te verseker. Dien 'n maksimum van 6 bespuitings per seisoen toe. (Handtoedienings moet nie tydens latere gewasstadiums gedoen word wanneer plante tussen die rye begin ontmoet nie.
AARTAPPELS Vroeë- en laatroes	GRONDTOEDIENING 2 kg/ha in 500-1 500 ℓ water/ha LUGTOEDIENING: 2 kg/ha in 30-40 ℓ water/ha	Dien toe as hoë volume bespuitings. Dien 'n maksimum van 6 bespuitings per seisoen toe. (Handtoedienings moet nie tydens latere gewasstadiums gedoen word wanneer plante tussen die rye begin ontmoet nie.

NOTA: Begin bespuiting sodra weersomstandighede gunstig is vir die ontwikkeling van die siekte (koel, betrokke weer wat gevolg word deur bedompige weer) en herhaal met tussenposes van 7-10 dae. Herhaal na reën of sprinkelbesproeiing.

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