



# FARMAG BENOMYL 500

Reg No/Nr: L 4589: Act/Wet 36 of/van 1947

A wettable powder fungicide with systemic action for the control of various diseases on a wide range of crops as indicated.

'n Benatbare poeier swamdoder met sistemiese aksie vir die beheer van verskeie siektes op 'n wye reeks gewasse soos aangedui.

<b>FRAC FUNGICIDE GROUP CODE</b>	<b>1</b>	<b>FRAC SWAMDODER GROEPKODE</b>
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## ACTIVE INGREDIENTS / AKTIEWE BESTANDDEEL:

Benomyl (benzimidazole).....500 g/kg..... Benomil (bensimidasool)

**Manufacture Date:**  
Vervaardigingsdatum

**Batch No.:**  
Lotnommer

**CONTENTS / INHOUD**

**SEE ENCLOSED LEAFLET FOR FULL PARTICULARS  
SIEN INGESLOTE VOUBILJET VIR VOLLE BESONDERHEDE**

**REGISTRATION HOLDER / GEREGRASIEHOUER:  
CASTLE AG-CHEM (PTY) LTD**

Co. Reg. No. 2007/033120/07 P.O. Box / Posbus 1523

61 Marshall Drive, Old Mill Industrial Park, Mount Edgecombe, Durban, 4300 Tel. (031) 003 3486

UN No.: 3077



**WARNINGS:**

**Withholding periods:** Minimum number of days between last application and harvest or grazing of the following crops:  
(These withholding periods may not be sufficient to meet export requirements)

Apples, pears (pre-harvest application), avocado's, citrus and wine grapes	14 days
Brussels sprouts, cucurbits, green peppers and tomatoes	3 days
Groundnuts (grazing/fodder)	42 days
Peaches	7 days
Table grapes (pea size)	4 to 6 weeks

- Do not use **FARMAG BENOMYL 500** treated seed as food or feed.
- Do not use **FARMAG BENOMYL 500** on **Golden Delicious apples** and **Kieffer pears** during the bloom and post bloom stages as it may result in russetting.
- **FARMAG BENOMYL 500 MAY NOT BE USED AS A POST HARVEST TREATMENT FOR APPLES AND PEARS WHICH ARE DESTINED FOR EXPORT.**
- Handle with care.
- Harmful if swallowed or inhaled.
- May irritate eyes, skin, throat and nose.
- May cause sensitization by skin contact.
- Do not allow **FARMAG BENOMYL 500** to become wet or damp during storage, because chemical changes, which will reduce the effectiveness of **FARMAG BENOMYL 500** as a fungicide, will take place.
- Toxic to fish and wildlife.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool dry place away from food and feed stuffs.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 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:**

- Avoid inhalation of the powder dust or spray mist.
- Wear rubber gloves and face shield when preparing the spray mixture and during application
- Avoid contact with skin, eyes or clothing.
- Wash thoroughly with soap and water after application and accidental skin contact.
- Wash contaminated clothes after use.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean water for at least 15 minutes. If irritation persists obtain medical assistance.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face or change of clothing.
- Prevent spray drifting onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator after use. Dispose of the wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing or spray tank and destroy the empty containers thereafter and bury them.
- Do not use the empty container for any other purpose.
- Do not burn the empty container.

**RESISTANCE WARNING:**

**FARMAG BENOMYL 500** is a group code 1 fungicide. Any fungus population may contain individuals naturally resistant to **FARMAG BENOMYL 500** and other group code 1 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **FARMAG BENOMYL 500** or any other group code 1 fungicide.

**To delay fungicide resistance:**

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes.

- For tank mixing or alternation with products in fungicide group code M, refer to applicable individual product label.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes. For specific information on resistance management contact the registration holder of this product.

**NOTE:** If field resistance to benzimidazole fungicides have already occurred, it is recommended not to use FARMAG BENOMYL 500.

**DIRECTIONS FOR USE:** Use only as indicated.

**Mixing instructions:**

- Fill the spray tank a quarter to half with clean water and start agitating (use mechanical or hydraulic agitation).
- Pre-mix the required amount of **FARMAG BENOMYL 500** with a small volume of water to obtain a thin paste.
- Add the paste slowly to the required amount of water, stirring continuously to ensure a homogenous mix.
- Fill the spray tank with water to the required volume.
- Keep stirring vigorously before and whilst applying.

**Application instructions:**

All spray applications must be performed with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application.

CROP / DISEASE	DOSAGE / 100 l WATER OR AS INDICATED	REMARKS
<b>Apples &amp; Pears</b> Powdery mildew Scab  Overwintering stage of scab fungus	35 g or 50 g/100 l water (0.53 to 1.75 kg/ha)	Apply the first spray at greentip. Apply follow-up sprays at intervals of 7-10 days. For the control of powdery mildew on very susceptible cultivars and under conditions which favour mildew development, increase dosage to 50 g per 100 l water. Apply 1500 to 3500 litres spray mixture per hectare, depending on the growth stage of the crop. Do not apply more than 4 sprays per season. Refer to <b>"RESISTANCE WARNING"</b>
<b>Apples</b> Post-harvest decay <i>(Penicillium spp.)</i>	200 g/100 l water	<b>WARNING: Do not use on fruit, which is destined for export.</b> Prepare a suspension to dip fruit in or to spray the suspension onto harvested fruit. Ensure thorough agitation of suspension while applying.
<b>Pears</b> Blossom end rot ( <i>Botrytis</i> spp.)	50 g/100 l (0.75 to 1.75 kg/ha)	Apply the first spray at full bloom. Apply a second spray 7 days later. A third spray 7 days after the second may be necessary, if conditions favour infection. Apply 1500 to 3500 litres spray mixture per hectare, depending on the growth stage of the crop.
<b>Apricots, Peaches &amp; Plums</b> Blossom blight	25 g / 100 l water (0.88 to 1.23 kg/ha)	Apply the first spray when first blossoms have reached the 5 % balloon stage. Apply follow-up sprays every 4 to 7 days until after flowering. Apply 1200 to 2000 litres spray mixture per hectare, depending on the growth stage of the crop. Do not apply more than 3 sprays per season. Refer to <b>"RESISTANCE WARNING"</b> .
<b>Peaches</b> Brown rot ( <i>Monilinia</i> not <i>Rhizopus</i> rot)	35 g / 100 l water (0.88 to 1.23 kg/ha)	Apply two sprays at a 7 day interval between the two sprays. Apply the second and last spray 7 days prior to expected harvest. Ensure thorough coverage of all fruit while applying.
Freckle	35 g/100 l water (0.53 to 0.9 kg/ha)	Apply the first application at 100 % petal fall. Apply a second spray 3 weeks later. Apply 1500 to 3500 litres spray mixture per hectare, depending on the growth stage of the crop.
<b>Avocado's</b> Fruit spot	50 g / 100 l water plus 0.5 l narrow range Distillation oil	Apply the first spray at the end of November and the second follow-up spray towards the end of January. Apply as a full cover spray.

CROP / DISEASE	DOSAGE / 100 l WATER OR AS INDICATED	REMARKS
<b>Bananas</b> Post-harvest decay (Collar rot)	50 g/100 l water	Prepare a suspension and ensure thorough agitation of suspension during treatment. Cut bunches and dip the fruit for 5 seconds in the suspension.
<b>Brussels sprouts</b> Ring spot	25 g/100 l water	Spray preventively at intervals of 10-14 days
<b>Citrus</b> Black Spot  <b>Early Cultivars &amp; Valencias</b> Younger than 20 years  <b>Late cultivars</b> Vigorously growing trees younger than 20 years  <b>Old or neglected trees</b> Trees older than 20 years or neglected trees with a history of susceptibility  <b>Citrus fruit for processing</b> <b>Early cultivars &amp; Valencias</b> Younger than 20 years	<p style="text-align: center;"><b>IMPORTANT</b></p> <p>25g/100 l water            Plus 200g mancozeb WP            Plus 0,5 l narrow distillation range oil</p> <p>50g/100 l water            Plus 200g Mancozeb WP            Plus 0,5 l narrow Distillation range oil</p> <p>75g/100 l water            Plus 200g mancozeb WP            Plus 0,5 l narrow distillation range oil  <b>OR</b>            50g/100 l water            Plus 200g mancozeb WP            Plus 0,5 l narrow distillation range oil            Follow-up with 200g mancozeb WP</p> <p>25 g/100 ml            Plus 200 g mancozeb WP            Plus 0,5 l narrow distillation range oil</p>	<p>As it is expected from <b>FARMAG BENOMYL 500</b> to act as an eradicant (where application is performed after infection), it is imperative that trees be covered completely during the spray operation.</p> <p>The addition of spray oil to the spray mixture is essential to improve the eradicating properties of <b>FARMAG BENOMYL 500</b>. The addition of mancozeb WP to slow down the development of resistance of the black spot fungus to <b>FARMAG BENOMYL 500</b> / mancozeb WP mixture to citrus <b>do not</b> mix any other remedy except the spray oil prescribed.</p> <p>Spray only in orchards when benzimidazole resistance is absent, and then only in combination with or in alteration with mancozeb WP. Recommendation is that all <b>FARMAG BENOMYL 500</b> applications be preceded by an application of mancozeb WP at 200 g per 100 litres water during the last week in October up to 10 November.</p> <p>Apply a single full cover spray between 1 and 20 December.</p> <p>Alternatively, if problems are encountered in obtaining complete coverage, two sprays may be applied during the second half of November and the first week of January respectively.</p> <p>Apply a single full cover spray between 1 and 20 December.</p> <p>Apply a single full cover spray between 1 and 20 December.</p> <p>Apply a single full cover spray during the second half of November. Follow application up with a mancozeb WP application during the first week of January. Alternately, if problems are encountered in obtaining complete coverage, apply two sprays at 25g plus 200 g mancozeb WP plus 0,5 l oil per 100 litre water during the second half of November and the first week of January respectively.</p> <p><b>NOTE: The purpose of black spot control on these fruit, is only to prevent fruit drop.</b></p> <p>Apply a single full cover spray between 1 and 20 December.</p>
<b>Valencias</b> Older than 20 years	50 g/100 l water Plus 200 g mancozeb WP Plus 0,5 l narrow distillation range oil	Apply a single full cover spray during beginning of December.

CROP / DISEASE	DOSAGE / 100 l WATER OR AS INDICATED	REMARKS
<b>Citrus</b> Post-harvest decay ( <i>Penicillium</i> , <i>Diplodia</i> , <i>Alternaria</i> & <i>Fusarium</i> spp.)	75 g /25 ℓ water (1500 ppm) 125 g/25 ℓ water (2 500 ppm)	<b>Brush on in water or wax:</b> <b>WARNING: Do not use on fruit, which is destined for export.</b> Prepare a suspension to treat the fruit with. Ensure thorough agitation of the suspension during treatment.
<b>Cucurbits</b> Powdery mildew	50 g/100 ℓ water	Apply <b>FARMAG BENOMYL 500</b> in a spray programme. Apply the first spray as soon as the first mildew spots are noticed on the undersides of the older leaves. Apply follow-up sprays at 10 day intervals. Apply 500-1 000 ℓ spray mixture per ha, to ensure thorough wetting. Do not apply more than 3 sprays per season. Refer ' <b>RESISTANCE WARNING</b> '.
<b>Gladioli</b> <i>Fusarium</i> corm rot	200 g/100 ℓ water	Prepare a suspension and ensure thorough agitation of the suspension during treatment. Dip the corms for one minute in the suspension.
<b>Green peppers</b> Powdery mildew	50 g/100 ℓ water	<b>Preventive programme:</b> Apply the first spray 4 weeks after emergence. Apply follow- up sprays weekly. Apply at 500-1500 ℓ spray mixture per hectare, depending on plant size. Ensure thorough coverage of especially the lower leaves. Any delay in the commencement of the spray programme may lead to poor disease control, since this disease causes rapid defoliation under favorable disease conditions. Do not apply more than 4 sprays per season. Refer ' <b>RESISTANCE WARNING</b> '.
<b>Groundnuts</b> <i>Cercospora</i> & <i>Phoma</i> Leaf blotch	30 g/100 ℓ water	<b>Application:</b> Apply 500 ℓ spray mixture per hectare. Apply at a pressure of 1 500 kPa with a spraying machine, equipped with a spray boom. Ensure thorough <u>uniform</u> coverage of the foliage. <b>Spray programme and spray intervals:</b> Apply the first spray at the first sign of the disease on the older leaves or not later than the first week of January in the case of groundnuts grown under dryland conditions or flood irrigation. For groundnuts under overhead irrigation, spraying must commence not later than middle December. Apply follow-up sprays at 10-14 day intervals. For groundnuts under dryland conditions, 4-5 sprays are recommended and for groundnuts under overhead irrigation 6-7 sprays. If groundnut foliage is needed for hay, maintain sprays until 14 days prior to the harvest date.
<b>Mangoes</b> Powdery mildew  Post-harvest decay Anthracnose Brown rot	15 g/100 ℓ water plus 100 mℓ triforine  25 g/100 ℓ water Plus 300 g copper oxychloride WP  200g/ 100 ℓ water	Apply the first spray at the first sign of the disease, usually at 50 % flowering stage. Apply a follow-up spray 3-4 weeks later at 100 % flowering. A third spray may be necessary where uneven flowering prevails or where a late infection occurs. Ensure thorough coverage of the blossoms.  <b>Programme spraying:</b> Follow spray programme for the reduction of post-harvest decay. Apply the first spray when the fruits are marble size. Apply follow-up spray at 3 week intervals starting up to 14 days prior to harvest. Apply as a full cover spray to ensure thorough coverage of the fruit.  <b>Warm bath treatment:</b> <b>WARNING: Do not use on fruit, which is destined for export.</b> Prepare a warm suspension and ensure thorough agitation of suspension during treatment. For enhanced control of post- harvest decay, fruit can, after harvest, be dipped for 5 minutes in a heated suspension (55° to 57°C) of <b>FARMAG BENOMYL 500</b> prior to cold storage.
<b>Roses</b> Black spot Powdery mildew	100 g/100 ℓ water (10 g/10 ℓ water)	Apply as preventive sprays at intervals of 7 days.

CROP / DISEASE	DOSAGE / 100 l WATER OR AS INDICATED	REMARKS
<b>Sugar cane</b> Pineapple disease of seed pieces	50 g/100 l water	Prepare a suspension in a cold or warm (50°C) bath. Ensure thorough agitation of suspension during treatment to keep the material in suspension. Dip seed pieces in the suspension and ensure thorough wetting. Maintain volume by adding the same original concentration.
<b>Table &amp; wine grapes</b> Powdery mildew	50 g/100 l water (0,13-0,75 kg/ha)	Apply the first spray when shoots are 25cm long. Apply follow-up sprays every 10-14 days. Apply 250-1 500 l spray mixture per ha, depending on the plant size. Ensure thorough wetting. Do not apply more than 4 sprays per season. Refer ' <b>RESISTANCE WARNING</b> '.
<i>Botrytis rot</i>	50 g/100 l water (0,25-0,75 kg/ha)	Apply two sprays. Apply the first spray during full flower and the second at pea size. Apply 500-1500 l spray mixture per ha, depending on plant size. Ensure thorough wetting. In the case of table grapes, follow-up with a suitable dusting treatment. The <b>FARMAG BENOMYL 500</b> treatment will suppress <i>Botrytis rot</i> and it is therefore necessary to follow the benomyl treatment up with a registered and suitable dusting powder.
<b>Tomatoes</b> <i>Botrytis rot (Botrytis cinerea)</i>	50 g/100 l water (0,25 to 0,75 kg/ha)	<b>Programme spraying:</b> Apply the first spray with the onset of the first signs of disease on older leaves, stems or fruit. Apply follow-up sprays every 7-10 days, as long as conditions are favourable for disease development. Apply 500-1500 l spray mixture per ha depending on plant size. Ensure good coverage of all above-ground parts. Do not apply more than 4 sprays per season. Refer ' <b>RESISTANCE WARNING</b> '.
Powdery mildew ( <i>Oidiopsis taurica</i> )	50 g/100 l water (0,25 to 0,75 kg/ha)	<b>Programme spraying:</b> Apply the first spray with the onset of the first signs of disease on older leaves, stems or fruit. Apply follow-up sprays every 7-10 days, as long as conditions are favourable for disease development. Apply 500-1500 l spray mixture per ha depending on plant size. Ensure good coverage of all above-ground parts. Do not apply more than 4 sprays per season. Refer ' <b>RESISTANCE WARNING</b> '.
<b>Tobacco seedlings</b> Black root rot	15 g/20 l water per standard seedbed of 8,4 m <sup>2</sup>	Prepare a suspension and ensure thorough agitation of the suspension. Apply the suspension evenly over seedbed area with a watering can. Directly hereafter, apply another 20 l clean water over the same area, to soak the fungicide into the root zone. Apply a second and possible a third follow-up treatment at 2 week intervals until healthy new roots have developed
<b>Wheat</b> Loose smut ( <i>Ustilago</i> )	1,5 g/kg dry seed  OR Mix with 10 ml water for slurry treatment	<b>Dry treatment:</b> Mix the recommended quantity of <b>FARMAG BENOMYL 500</b> thoroughly with dry seed until an even coverage has been obtained.  <b>Slurry treatment:</b> Mix the recommended quantity of <b>FARMAG BENOMYL 500</b> and water thoroughly with the dry seed until an even coverage has been obtained.



## WAARSKUWINGS:

**Onthoudingsperiodes:** Minimum aantal dae tussen laaste toediening en oes of beweiding/voer.

(Hierdie onthoudingsperiodes sal dalk nie voldoende wees om aan die vereistes vir uitvoer te voldoen nie.)

Appels & pere (voor-oes toediening), avokado's, sitrus en wyndruive	14 dae
Spruitkool, pampoengewasse, soetrissies en tamaties	3 dae
Grondbone (beweiding/voer)	42 dae
Perskes	7 dae
Tafeldruive (ertjekorrelgrootte)	4 tot 6 weke

- Moet nie **FARMAG BENOMYL 500** behandelde saad as voedsel of voer gebruik nie.
- Moet nie **FARMAG BENOMYL 500** op Golden Delicious appels en Keiffer pere gedurende die blom- en na- blomstadiums gebruik nie, aangesien dit tot skilverruwing aanleiding mag gee.
- **FARMAG BENOMYL 500 MOET NIE AS 'N NA-OES BEHANDELING VIR APPLES EN PERE WAT VIR DIE UITVOERMARK**
  - bestem is, gebruik word nie.
  - Hanteer versigtig.
  - Skadelik wanneer ingeneem of ingeasem word.
  - Kan oë, neus, keel en vel irriteer.
  - Mag sensitisering veroorsaak deur velkontak.
- Moet nie dat **FARMAG BENOMYL 500** klam of nat word tydens berging nie, aangesien chemiese veranderinge wat die swamdodende doeltreffendheid van **FARMAG BENOMYL 500** sal verlaag, mag plaasvind.
- Berg die produk in die oorspronklike houër en hou die oorspronklike houër altyd dig toe.
- Berg in 'n koel, droë, goed geventileerde plek, weg van voedsel, saad en voer.
- Giftig vir visse en ander waterorganismes.
- Hoe buite bereik van kinders, oningeligte persone en diere.
- Bewaar in 'n koel droë plek weg van voedsel en voer.
- Moer nie as 'n lugtoediening gebruik nie.
- **Herbetreding:** Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

**Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die siektes 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:

- Voorkom inaseming van poeierstof en spuitnewel.
- Voorkom aanraking met vel, oë en klere.
- Dra rubberhandskoene en gesigskerm wanneer die spuitmengsel aangemaak word en tydens toediening.
- Was deeglik met seep en water na gebruik en na toevallige aanraking met vel.
- Was besoedelde klere na gebruik.
- In die geval van aanraking met oë, spoel die oë deeglik met skoon, water uit vir ten minste 15 minute. Indien irritasie voortduur, kry mediese hulp.
- Moet nie eet, drink of rook tydens vermenging, toediening of voordat hande en gesig gewas en skoon klere aangetrek is nie.
- Voorkom wegdrywing van die spuitnewel na ander gewasse, weiding, riviere, damme en areas nie onder behandeling nie.
- Maak toedieningsapparaat deeglik skoon na gebruik en gooi spoelwater uit waar dit nie gewasse, weiding, riviere, damme of boorgate sal besoedel nie.
- Houers en verpakings moet heeltemal leeggemaak word voordat hulle vernietig word. Skud die houër deeglik uit oor die meng- of spuittenk en vernietig daarna die leë houër en begrawe.
- Moet nie die leë houër vir enige ander doel hergebruik nie.
- Moet nie die leë houër verbrand nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.



**WEERSTANDSWAARSKUWING:**

**FARMAG BENOMYL 500** is 'n groepkode 1 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen **FARMAG BENOMYL 500** of enige ander groepkode 1 swamdoder het. Indien hierdie swamdoder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **FARMAG BENOMYL 500** of enige ander groepkode 1 swamdoder beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende swamdoder groepkodes.
- Raadpleeg toepaslike individuele produkietiketie wanneer daar afgewissel word, of tenkmengsels gemaak word, met produkte in swamdodergroepkode M.
- Integreer ander beheermaatreëls (chemise, verbouing, biologies) in swamdoder programme. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

**LET WEL:** Indien bestandheid in die veld teen 'n bensimidasool-swamdoders alreeds voorkom, word aanbeveel dat

**FARMAG BENOMYL 500** nie gebruik word nie.

**GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui. Menginstruksies:**

- Vul die spuittenk kwart tot halfvol met skoon water en begin roer (gebruik meganiese of hidroliese roering).
- Meng eers die aanbevole hoeveelheid **FARMAG BENOMYL 500** met 'n klein hoeveelheid water tot 'n dun flodder.
- Voeg die flodder by die water in die spuittenk, terwyl goed geroer word.
- Vul die spuittenk met water tot die verlangde hoeveelheid.
- Verseker deeglike vermenging van die mengsel voor en tydens toediening.

**Toedieningsaanwysings:**

Alle toedienings moet gemaak word met geskikte toerusting, wat in goeie werkende toestand en korrek gekalibreer is ten einde die verlangde bedekking te gee vir betrokke toedieningsmetode.

GEWAS / SIEKTE	DOSIS / 100 l WATER OF SOOS AANGEDUI	OPMERKINGS
<b>Appels &amp; pere</b> Poeragtige skimmel Skurfsiekte	35 g or 50 g/100 l water (0.53 to 1.75 kg/ha)	Dien die eerste bespuiting toe by groenpunt. Dien opvolg- bespuitings toe met intervale van 7-10 dae. Vir beheer van poeragtige skimmel op besonder vatbare kultivars en onder toestande wat uiters gunstig is vir die ontwikkeling van poeragtige skimmel, verhoog dosis na 50 g per 100 l water. Moet nie meer as 4 bespuitings per seisoen toedien nie. Lees ' <b>WEERSTANDSWAARSKUWING</b> '
Oorwinterende stadium van skurfsiekte-swam	100 g/ 100 l water	Bespuit bome eenkeer in die herfs nadat vrugte geoes is, maar voordat blare geval het.
<b>Appels</b> Na-oes bederf ( <i>Penicillium</i> spp.)	200 g/100 l water	<b>WAARSKUWING: Moet nie op vrugte gebruik wat vir uitvoer bestem is nie.</b> Berei 'n suspensie voor waarin vrugte gedompel word of bespuit die vrugte na oes met die suspensie. Verseker deeglike roer van suspensie tydens toediening.
<b>Pere</b> Kelk-endverrotting ( <i>Botrytis</i> spp.)	50 g/100 l (0.75 to 1.75 kg/ha)	Dien die eerste bespuiting toe by volblom. Dien 'n tweede bespuiting 7 dae later toe. 'n Derde bespuiting 7 dae na tweede mag nodig wees, indien toestande infeksie bevorder.
<b>Appelkose, Perskes &amp; Pruime</b> Bloeisel-versenging	25 g/ 100l water (0.88 to 1.23 kg/ha)	Dien die eerste bespuiting toe wanneer die eerste bloeisels die 5 % ballonstadium bereik het. Dien opvolg bespuitings toe elke 4-7 dae tot na blom. Moet nie meer as 3 bespuitings per seisoen toedien nie. Lees ' <b>WEERSTANDSWAARSKUWING</b> '.

GEWAS / SIEKTE	DOSIS / 100 l WATER OF SOOS AANGEDUI	OPMERKINGS
<b>Perskes</b> Bruinvrot ( <i>Monilinia nie Rhizopus vrot nie</i> ).	35 g/ 100 l water (0.88 to 1.23 kg/ha)	Dien twee bespuitings toe met 7 dae intervalle tussen die twee bespuitings. Dien die tweede en laaste bespuitings toe 7 dae voor verwagte aanvang van oes. Verseker deeglike benatting van al die vrugte tydens bespuiting.
Sproetsiekte	35 g/100 l water (0.53 to 0.9 kg/ha)	Dien die eerste bespuiting toe by 100% blomblaarval. Dien 'n tweede bespuiting toe 3 weke later. Dien 1500 tot 3500 liter spuitmengsel per hektaar toe, afhangend van die groeistadium van die gewas.
<b>Avokado's</b> Vrugvlek	50 g/100l water + 0,5 l smal distillasie- bestek minerale olie	Dien die eerste bespuiting toe teen die einde November en die tweede opvolg bespuiting teen die einde van Januarie. Dien toe as 'n voldekbepuiting.
<b>Piesangs</b> Na-oesbederf (Kraagverrotting)	50 g/100 l water	Berei 'n suspensie voor en verseker deeglike roering van suspensie tydens behandeling. Sny trosse af en doop die vrugte vir 5 sekondes in die suspensie.
<b>Spruitkool</b> Ringvlek	25 g/100 l water	Dien voorkomende bespuitings toe met tussenposes van 10-14 dae.
<b>Sitrus Swartvlek</b>		<b>BELANGRIK:</b> Omdat vermag word dat <b>FARMAG BENOMYL 500</b> (indien dit na infeksie gespuit word) uitwissend teen swartvlek werk, is dit noodsaaklik dat bome met toediening volledig bedek en benat word. Die byvoeging van spuitolieolie tot die spuitmengsel is noodsaaklik om die uitwissende werking van <b>FARMAG BENOMYL 500</b> te verbeter. Die byvoeging van mankoseb WP is om die ontwikkeling van bestandheid van die swartvlekswam teen <b>FARMAG BENOMYL 500</b> te verlaag. Wanneer die <b>FARMAG BENOMYL 500</b> / mankoseb WP mengsel op sitrus gebruik word, moet nie met enige ander middel meng nie, behalwe die spuitolie soos voorgeskryf. Spuit slegs in boorde waar geen bensimidiasool-bestandheid voorkom nie en slegs in afwissel met en in kombinasie met mankoseb WP. Dit word aanbeveel dat alle <b>FARMAG BENOMYL 500</b> bespuitings voorafgegaan word deur 'n mankoseb WP bespuiting teen 200 g per 100 l water gedurende die laaste week van Oktober tot 10 November.
<b>Vroeë kultivars &amp; Valencias</b> Bome jonger as 20 jaar	25g/100 l water Plus 200g mancozeb WP Plus 0,5 l smal distillasie- bestek minerale olie	Dien 'n enkele voldekbepuiting toe tussen 1 en 20 Desember. Alternatiewelik, indien probleme ondervind word om volle bedekking te kry, kan twee bespuitings tydens die tweede helfte van November en die eerste week van Januarie onderskeidelik, toegedien word.
<b>Laat kultivars</b> Groeikragtige bome jonger as 20 jaar	50g/100 l water Plus 200g Mancozeb WP Plus 0,5 l smal distillasie- bestek minerale olie	Dien 'n enkele voldekbepuiting toe tussen 1 en 20 Desember.
<b>Ou of verwaarloosde bome</b> Bome ouer as 20 jaar of verwaarloosde bome met 'n geskiedenis van vatbaarheid	75g/100 l water Plus 200g mancozeb WP Plus 0,5 l smal distillasie- bestek minerale olie <b>OF</b> 50g/100 l water Plus 200g mancozeb WP Plus 0,5 smal distillasie-bestek minerale olie Opvolg met 200g mancozeb WP	Dien 'n enkele voldekbepuiting toe tussen 1 en 20 Desember.  Dien 'n enkele voldekbepuiting toe gedurende die tweede helfte van November. Volg toediening op met 'n mankoseb WP bespuiting gedurende die eerste week van Januarie. Alternatiewelik, indien probleme ondervind word om volle bedekking te kry, dien twee bespuitings toe teen 25 g plus 200 g mankoseb WP plus 0,5 l minerale olie per 100 l water gedurende die tweede helfte van November en die eerste week van Januarie onderskeidelik.
<b>Sitrusvrugte vir verwerking</b> <b>Vroeë kultivars &amp; Valencias</b> Jonger as 20 jaar	25 g/100m l Plus 200 g mancozeb WP Plus 0,5 l smal distillasie- bestek minerale olie	<b>LET WEL: Die doel van swartvlekbeheer op hierdie vrugte is om vrugteval te voorkom.</b>  Dien 'n enkele voldekbepuiting toe tussen 1 en 20 Desember.

GEWAS / SIEKTE	DOSIS / 100 l WATER OF SOOS AANGEDUI	OPMERKINGS
<b>Valencias</b> Ouer as 20 jaar	50 g/100 l water Plus 200 g mancozeb WP Plus 0,5 l smal distillasie- bestek minerale olie	Dien 'n enkele voldekbepuiting toe tydens die begin van Desember.
<b>Sitrus</b> <b>Na-oes verval</b> ( <i>Penicillium, Diplo- dia, Alternaria &amp; Fusarium spp.</i> )	75 g/25 l water (1500 ppm) 125 g/25 l water (2.500 ppm)	<b>Borsel in water of was:</b> <b>WAARSKUWING: Moenie op vrugte gebruik wat bestem is vir uitvoer nie.</b> Berei 'n suspensie voor om die vrugte te behandel. Verseker deeglike roering van die suspensie tydens behandeling.
<b>Pampoengewasse</b> Poerieragtige skimmel	50 g/100 l water	Dien <b>FARMAG BENOMYL 500</b> toe in 'n spuitprogram. Dien die eerste bespuiting sodra die eerste skimmel kolle op die onderkant van die oer blare opgemerk word. Dien opvolg bespuitings toe met 10 dae intervalle. Dien 500-1 000 l spuitmengsel per ha toe, om deeglike benutting te verseker. Moet nie meer as 3 bespuitings per seisoen toedien nie. Verwys na <b>'WEERSTANDSWAARSKUWING'</b> .
<b>Swaardlelies</b> <i>Fusarium knolvrot</i>	200 g/100 l water	Berei 'n suspensie voor en verseker deeglike roering van die suspensie tydens behandeling. Doop die knolle vir een minuut in die suspensie.
<b>Soetrisseis</b> Poerieragtige skimmel	50 g/100 l water	<b>Voorkomende program:</b> Dien die eerste bespuiting toe 4 weke na opkom van gewas. Dien opvolgbespuitings weekliks toe. Dien teen 500-1 500 l spuitmengsel per ha, afhangel van plantgrootte, toe. Verseker deeglike benutting van veral die onderste blare. Enige vertraging in die aanvang van die spuitprogram kan aanleiding gee tot swak siektebeheer aangesien hierdie siekte vinnige ontblaring onder gunstige siektetoestande veroorsaak. Moet nie meer as 4 bespuitings per seisoen toedien nie. Lees <b>'WEERSTANDSWAARSKUWING'</b> .
<b>Grondbone</b> <i>Cercospera &amp;</i> spatselviek	30 g/100 l water	Gebruik 500 l spuitmengsel per hektaar. Toediening moet geskied teen 'n druk van 1 500 kPa m.b.v. 'n geskikte spuitapparaat toegerus met 'n spuitbak. Verseker deeglike egalige bedekking van bo-grondse dele. Die byvoeging van 'n benattingsmiddel is nie essensieel nie. <b>Spuitprogram en spuitintervalle:</b> Dien die eerste bespuiting toe met die eerste tekens van die siekte op oer blare of nie later as in die eerste week van Januarie vir grondbone onder droeland of vloedbespoeing nie. Vir grondbone onder oorhoofse bespoeing, moet bespuiting nie later as middel Desember in aanvang neem nie. Dien opvolg bespuiting toe met 10-14 dae intervalle. Vir grondbone onder droeland toestande word 4-5 bespuitings aanbeveel en vir grondbone onder sprinkelbespoeing 6-7 bespuitings. Indien hooi gehou word vir voer, moet met bespuitings volgehou word tot 14 dae voor trekdatum van plante.
<b>Mango's</b> Poerieragtige skimmel	15 g/100 l water + 100 ml triforine	Dien die eerste bespuiting toe met eerste teken van die siekte, gewoonlik by 50 % blomstadium. Dien opvolgbespuiting toe 3-4 weke later by 100 % blomstadium. 'n Derde toediening mag nodig wees by bome wat ongelik blom of indien 'n laat besmetting plaasvind. Verseker deeglike bedekking van blomme.
Na-oes bederf Antraknose Bruinvrot	25 g/100 l water + 300g koperoksichloried WP  200 g/100 l water	<b>Programbespuiting:</b> Volg 'n bespuitingsprogram vir die vermindering van na-oes bederf. Dien die eerste bespuiting toe wanneer vrugte albastergrootte is. Dien opvolgbespuitings elke 3 weke toe tot 14 dae voor oes. Dien toe as 'n voldekbepuiting sodat deeglike bedekking van die vrugte verseker is. <b>Warmbad behandeling:</b> <b>WAARSKUWING: Moet nie op vrugte gebruik wat vir uitvoer bestem is nie.</b> Berei 'n warm suspensie voor en verseker deeglike roering van suspensie tydens behandeling. Vir beter beheer van na-oes bederf, kan vrugte na oes vir 5 minute in warm suspensie (55° tot 57°C) van <b>FARMAG BENOMYL 500</b> gedoop word, voor koue-opberging.
<b>Rose</b> Swartvlek Poerieragtige skimmel	100 g/100 l water (10 g/10 l water)	Dien as voorkomende bespuitings toe met 7 dae intervalle.

GEWAS / SIEKTE	DOSIS / 100 l WATER OF SOOS AANGEDUI	OPMERKINGS
<b>Suikerriet</b> Pynappelsiekte van steggies	50 g/100 l water	Berei 'n suspensie voor in as 'n koue of warm (50°C) bad. Verseker deeglike roering van die suspensie tydens behandeling om material in suspensie te hou. Doop steggies in suspensie en verseker deeglike benatting. Vul suspensie aan met vars oorspronklike konsentrasie.
<b>Tafel- &amp; wyndruiwe</b> Poeieragtige skimmel  <i>Botrytis</i> vrot	50 g/100 l water (0,13-0,75 kg / ha)  50 g/100 l water (0,25-0,75 kg/ha)	Dien die eerste bespuiting toe wanneer die lote 25 cm lank is. Dien opvolgbespuitings toe elke 10-14 dae. Dien toe teen 250-1 500 l spuitmengsel per ha afhangend van plantgrootte. Verseker deeglike benatting. Moet nie meer as 4 bespuitings per seisoen toedien nie. Lees ' <b>WEERSTANDSWAARSKUWING</b> '.  Dien twee bespuitings toe. Dien die eerste bespuiting toe gedurende volblom en die tweede by erjiekorrelgrootte. Dien toe teen 500-1 500 l spuitmengsel per ha afhangend van plantgrootte. Verseker deeglike benatting. In die geval van tafeldruiwe volg op met 'n geskikte stuifpoeiertoediening. Die <b>FARMAG BENOMYL 500</b> behandeling sal <i>Botrytis</i> vrot onderdruk en dit is daarom nodig om die benomil-behandeling met 'n geregistree en geskikte stuifpoeier op te volg.
<b>Tamaties</b> <i>Botrytis</i> -vrot ( <i>Botrytis cinerea</i> )  Poeieragtige skimmel ( <i>Oidiopsis taurica</i> )	50 g/100 l water (0,25-0,75 kg/ha)  50g/100 l water (0,25 tot 0,75 kg/ha)	<b>Programmbespuiting:</b> Dien die eerste bespuiting toe met eerste tekens van <i>Botritis</i> -vrot op ouer blare en van poeieragtige skimmel op blare, stamme of vrugte. Dien opvolgbespuitings toe elke 7-10 dae solank toestande gunstig bly vir siekte-ontwikkeling. Dien 500-1 500 l spuitmengsel per ha toe afhangend van plantgrootte. Verseker deeglik bedekking van alle bogronde dele. Moet nie meer as 4 bespuitings per seisoen toedien nie. Lees ' <b>WEERSTANDSWAARSKUWING</b> '.  <b>Programmbespuiting:</b> Dien die eerste bespuiting toe met eerste tekens van <i>Botritis</i> -vrot op ouer blare en van poeieragtige skimmel op blare, stamme of vrugte. Dien opvolgbespuitings toe elke 7-10 dae solank toestande gunstig bly vir siekte-ontwikkeling. Dien 500-1 500 l spuitmengsel per ha toe afhangend van plantgrootte. Verseker deeglik bedekking van alle bogronde dele. Moet nie meer as 4 bespuitings per seisoen toedien nie. Lees ' <b>WEERSTANDSWAARSKUWING</b> '.
<b>Tabak saailinge</b> Swart wortelvrot	15 g/20 l water per standaard saadbed van 8,4 m <sup>2</sup>	Berei 'n suspensie voor en verseker deeglike roering van die suspensie. Dien die suspensie met behulp van 'n gieter oor die saadbedoppervlak toe. Giet direk hierna nog 20 l skoon water oor dieselfde oppervlak om die swamdoder tot by die wortels in te was. Dien 'n tweede, en moontlik 'n derde opvolg behandeling toe met 2 weke intervalle totdat gesonde nuwe wortels ontwikkel het.
<b>Koring</b> Losbrand ( <i>Ustilago</i> )	1,5 g/kg droë saad	<b>Droë behandeling:</b> Meng aanbevole hoeveelhede <b>FARMAG BENOMYL 500</b> deeglik met droë saad tot 'n egalige bedekking verkry word.







# FARMAG BENOMYL 500

Reg No/Nr: L 4589: Act/Wet 36 of/van 1947

A wettable powder fungicide with systemic action for the control of various diseases on a wide range of crops as indicated.

'n Benatbare poeier swamdoder met sistemiese aksie vir die beheer van verskeie siektes op 'n wye reeks gewasse soos aangedui.

<b>FRAC FUNGICIDE GROUP CODE</b>	<b>1</b>	<b>FRAC SWAMDODER GROEPKODE</b>
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## ACTIVE INGREDIENTS / AKTIEWE BESTANDDEEL:

Benomyl (benzimidazole).....500 g/kg..... Benomil (bensimidasool)

**Manufacture Date:**  
Vervaardigingsdatum

**Batch No.:**  
Lotnommer

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SIEN INGESLOTE VOUBILJET VIR VOLLE BESONDERHEDE**

**REGISTRATION HOLDER / GEREGRASIEHOUER:  
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UN No.: 3077



