

HYGROPHOS 400

Reg. No.: **L7949**, Act No. of 36/1947

A liquid systemic water soluble fungicide for the control of late blight, downey mildew and *Phytophthora* root and crown rot in various crops as listed in the label.

ACTIVE INGREDIENTS:

Potassium phosphite.....	586 g/L	435 g/kg
Phosphorous acid-equivalent.....	400 g/L	300 g/kg

WARNINGS

WITHHOLDING PERIOD:

Allow the following withholding periods between last foliar application and harvest:

Citrus	28 days
Table and Wine grapes	28 days
Potatoes	21 days

- Handle with care.
- Harmful if swallowed.
- May cause skin and eye irritation.
- Store in a cool dry place away from food and animal feed.
- Keep out of reach of children, animals and uninformed persons.

Although this product has been extensively tested under a wide 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, the occurrence of resistance of the disease to the product concerned as well as by the method, time and accuracy of the application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for the 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

- Do not inhale spray mist.
- Wear rubber gloves, eye and body protection whilst handling, mixing and applying.
- Do not eat, drink or smoke whilst applying or before washing hands and face.
- Prevent contamination of food, animal feed, drinking water and eating utensils. Wash with soap and cold water after application or skin contamination.
- Wash contaminated clothing after application.
- Clean applicator and mixing containers after use and dispose of wash water where it will not contaminate crops, pastures, rivers or dams.
- When using **Hygrophos 400** as a foliar spray, rinse empty container three times with a volume of water equal to one tenth of the volume of the container and add rinsing water to the spray tank. Destroy the container by perforation and flattening, before disposal.
- Do not re-use used containers for any other purpose.

DIRECTIONS FOR USE: Use only as directed.

COMPATIBILITY:

Hygrophos 400 spray application is compatible with many other agricultural pesticides and foliar feed products. Spray tank mixes with Megafol, mineral oils, dimethoate, the dichlorvos group of products, copper-containing products, high calcium-containing products, heavy metal products, oxidising products or highly alkaline products are however not recommended. It is important in the case of citrus that **Hygrophos 400** be applied as an ultra-light cover spray. Pesticides and foliar feeds requiring application as high volume sprays should therefore be regarded as being incompatible with **Hygrophos 400** in practical terms.

Consult the supplier or registration holder for further details on compatibility with other agricultural pesticides.

IMPORTANT NOTES:

- Vines should not be treated with **Hygrophos 400** when suffering from heat or drought stress as such conditions, even when temporary, may lead to a phytotoxic response (e.g. leaf and fruit scorch, leaf drop and gummosis).
- **Hygrophos 400** should not be applied at temperatures higher than 32°C and not under low humidity conditions or if the vines are under drought stress.
- **Hygrophos 400** must be applied to actively growing vines with high turgidity.
- Do not apply **Hygrophos 400** within 7 days (before or after) of a copper application.
- Although **Hygrophos 400** is neutralized it may still be corrosive to metal. Use plastic or glass fibre containers when applying as trunk paints

MIXING:

- Preparation of the **Hygrophos 400** spray solution is best achieved by filling the spray tank to approximately 50% of capacity with clean water, start agitation, add the required amount of **Hygrophos 400** to the water.
- **Hygrophos 400** will immediately go into solution. It is however necessary to make sure that the **Hygrophos 400** is completely dissolved before additional (compatible) substances are added.
- Follow the manufacture's mixing instructions for such substances. With the agitation engaged complete the filling of the spray tank with water.
- Stickers or wetters, if used, should be added last to the spray tank solution.

RECOMMENDATIONS FOR CONTROL OF PHYTOPHTHORA ROOT AND CROWN ROT IN CITRUS

Dosage: 500 ml HYGROPHOS 400 / 100 l water (use 1 800 to 2 000 l of spray solution/ha)

General Recommendations:

- Foliar spray or stem paint treatments should commence after the start of the rain season and repeat applications with 6 to 8 week intervals, during the rainy season.
- To facilitate systemic translocation of **Hygrophos 400** to roots of citrus trees, avoid treating when trees are flushing strongly. Under such conditions it will be preferable to delay the application until the new flush begins to harden off.

Foliar Application:

- Apply sprays as ultra-light cover sprays using 1 800 to 2 000 l spray solution/ha for medium and large trees.
- Use proportionally less for smaller trees. Higher spray volumes may give impair effectiveness due to excessive run off, and may cause damage to leaves and fruit. Spraying with knapsacks is generally

preferred for smaller trees since growers will experience difficulties calibrating mist blowers to deliver lower volumes per hectare.

- Sprays should be applied to trees at high turgidity to avoid leaf burn. For this reason spraying should be confined to early morning or late afternoon. As a general guide, it is advisable that spraying operations be stopped at approximately one hour before air temperatures are expected to reach 30°C.
- Do not apply soon after irrigation or heavy rains (see comment under directions for use).

Stem Application:

- For trunk treatment dilute **Hygrophos 400** with an equal volume of water.
- Apply by painting the whole trunk from ground level upwards for about 35 cm.
- Where graft incompatibility occurs, apply by painting the scion and lower scaffold branches only.
- Certain scion / rootstock combinations may be sensitive. Confirmation of tolerance of the specific scion / rootstock combination is therefore recommended.

RECOMMENDATIONS FOR DOWNY MILDEW CONTROL IN TABLE AND WINE GRAPES

Dosage: 300 mℓ Hygrophos 400 + 120 g Mancozeb 800 WP / 100 ℓ water

- Apply when shoots are 10-15 cm in length and repeat at 10-14 day intervals depending on the frequency and duration of infection periods.
- Spray intervals may need to be reduced to 7 day intervals when weather conditions are very favourable for disease development.
- Under extreme conditions during blossom period and where inclement weather conditions have caused serious disruption of the spray programme, spray intervals should be reduced to 5 day intervals for 2-3 sprays, reverting to 10-14 day spray intervals as conditions improve.

Important Note: After rain or heavy dew, let leaves dry off before application. Repeat application if rainfall is heavier than 10mm within an hour of application.

Sprays should be applied as normal high volume sprays to provide good coverage of both the leaves as well as of the developing grape bunches. Over-wetting of vines should be avoided as this may result in run-off and loss of the active ingredient. Spray volumes should therefore conform to the guidelines of the ARC – Fruit, Vine and Wine Research Institute as indicated below:

Growth stage	Volume of spray solution required per hectare	
	Table grapes	Wine grapes
Shoot length 2.5 to 25 cm	500 – 750 ℓ	250 – 500 ℓ
25 cm shoot length to pre-flowering	750 – 1000 ℓ	500 – 750 ℓ
Flowering to pea-size berries	1000 – 1200 ℓ	750 – 1000 ℓ
Pea-size berries to harvest	1200 – 1500 ℓ	1000 – 1200 ℓ

Bush vines, due to the greater density of their canopies, would require similar spray volumes to table grapes.

- Spray should continue until berries reach pea-size. Under abnormally high disease pressure when foliage needs to be protected after berries reach pea-size, continued spraying with **Hygrophos 400** and *****Mancozeb 800 WP** mixture may lead to visible spray deposits on berries because of the **Mancozeb 800 WP** component in the mixture. Under such conditions continued spraying with **Hygrophos 400** on its own using 300 mℓ / 100 ℓ water will provide useful protection of the leaf

canopy without leaving visible spray residues. Remember to uphold withholding period of 28 days before harvest.

RECOMMENDATION FOR THE CONTROL OF LATE BLIGHT ON POTATOES

Dosage: 400 mℓ HYGROPHOS 400 + 100 mℓ **Chlorothalonil (500 g/ℓ) / 100 ℓ water

- Apply **Hygrophos 400** in combination with **Chlorothalonil (500 g/ℓ)** but ensure to add the **Hygrophos 400** to the spray water and when filling the spray tank while agitating, add the **Chlorothalonil (500 g/ℓ)**.
- Spraying should start in areas and seasons of high risk at 21 days from emergence or sooner when conditions for infection are favourable. Some districts have late blight warning systems that could be helpful. Early sprays at 14 and 21 days from emergence are best applied as directed sprays over the row.
- Repeat sprays at weekly intervals under conditions of high disease pressure. It is however important to maintain good disease control in the early season. Therefore, if late blight threatens to gain a foothold due to a break in the spray programme, or for any other reason, the spray interval should be shortened to 5 days. The target required is that plants should be 95% blight free (or better) at all times.
- Sprays should be applied as conventional high volume sprays ensuring good coverage of the leaves and stems of the haulms. Spray volumes of 500 - 600 ℓ / ha are intended at first cover spray, increasing to 1000 ℓ at full canopy. Canopies that are over fertilised may be excessively dense and may require even higher spray volumes.
- Lower spray volumes can be used provided the per hectare spray rate of fungicide is maintained. It is intended that the **Hygrophos 400** dosage per hectare should be 2.0 - 2.5 ℓ at first cover increasing to 4.0 - 4.5 ℓ per hectare at full canopy. The **Chlorothalonil (500 g/ℓ)** dosage per hectare would be 25% of that of the **Hygrophos 400** dosage. Growers should note that the lower the spray volume the more critically important the factors of droplet size, distribution, and penetration become. Correct and appropriate calibration of the low volume sprayer is therefore required. Failures have occurred where this was not the case.
- At present the **HYGROPHOS 400 / Chlorothalonil (500 g/ℓ)** treatment is recommended as a programme of weekly sprays. Limited data is currently available on the introduction of other products into the programme. Such introductions could be either synergistic or even antagonistic. The introduction of other products for late blight control into the programme is therefore not currently recommended.

The addition of a sticker (e.g. *Nu-Film P® or *Adhere®) to the **HYGROPHOS 400 / Mancozeb 800 WP** spray mixture will improve coverage of the fruit and foliage and effectivity. Always apply *Nu-Film P® or *Adhere® last to the spray tank, after pre-mixing separately first.

* Nu-Film P® (Reg. No. L2980 Act 36 of 1947)

* Adhere® (Reg. No. L8278 Act 36 of 1947)

** Chlorothalonil (500 g/ℓ) is an active ingredient of numerous registered fungicide products.

*** Mancozeb 800 WP is an active ingredient of numerous registered fungicide products.

Manufactured, Registered & Distributed by:



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HYGROPHOS 400

Reg. Nr.: L7949, Wet no.36/1947

'n Vloeibare sistemiese wateroplosbare swamdoder vir die beheer van donsskimmel, laatroes en *Phytophthora* wortel-en stamvrot op verskeie gewasse soos aangedui op die etiket.

AKTIEWE BESTANDDEEL

Kaliumfosfiet	586 g/l	435 g/kg
Fosforigsuur ekwivalent	400 g/l	300 g/kg

WAARSKUWINGS

ONTHOUDINGSPERIODE:

Laat die volgende onthoudings periodes toe tussen laaste behandeling en oes:

Sitrus	28 dae
Tafel- en Wyndruiwe	28 dae
Aartappels	21 dae

- Hanteer versigtig.
- Skadelik wanneer ingesluk.
- Kan vel- en oogirritasie veroorsaak.
- Stoor in 'n koel, droë plek weg van voedsel en diere voer.
- Hou buite bereik van kinders, diere en oningeligte persone.

Alhoewel hierdie middel 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 klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket voorkom nie, die ontstaan van weerstand by die organisme teenoor die betrokke produk sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer geen verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of skade aan mens of dier of die gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiket aanwysings 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

- Moenie sproei inasem nie.
- Dra rubber handskoene en gesigskerm tydens hantering, vermenging en toediening.
- Moenie eet, drink of rook tydens toediening of voordat hande en gesig gewas is nie.
- Was met seep en koue water na toediening of velkontak. Was besmette kleres na toediening.
- Maak spuittoerusting en menghouers skoon na gebruik en raak ontslae van die spoelwater waar dit nie gewasse, weiding, riviere en damme kan besoedel nie.
- Wanneer Hygrophos 400 as 'n blaarbespuiting toegedien word, moet die leë houer ten minste drie keer met 'n volume water gelykstaande aan 'n tiende van die volume van die houer gespoel word.
- Gooi die spoelwater telkens by die res van die spuitmengsel in die spuitenk.
- Vernietig leë houer deur dit vol gatte te steek en plat te maak, voor dit weggegooi word.
- Moenie gebruikte houer vir enige ander doel gebruik nie.
- Verhoed besoedeling van voedsel, diere voer, drinkwater en eetgerei.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui

VEREENIGBAARHEID:

Die **Hygrophos 400** spuitmengsel is verenigbaar met baie ander landbouchemiese middels en blaarvoedingsprodukte. Spuitmengsels met Megafol, mineraal olies, dimetooa, die dichlorvos produkte groep, koperbevattende produkte, hoë kalsiumbevattende produkte, produkte wat swaar metale bevat, oksiderende produkte of strek alkaliese produkte word nie aanbeveel nie. Raadpleeg die verskaffer of registrasiehouer vir verdere inligting aangaande die verenigbaarheid met ander landbouchemiese plaagdoders. Dit is belangrik in die geval van sitrus dat Hygrophos 400 toegedien word as 'n ultra-ligte dekbepuiting. Plaagdoders en blaarvoedings wat as hoë volume bespuitings toegedien moet word, word in praktiese terme as onversoenbaar met Hygrophos 400 beskou.

Raadpleeg die verskaffer of registrasiehouer vir verdere besonderhede oor die verenigbaarheid met ander landbou plaagdoders

BELANGRIKE NOTA'S:

- Planse moenie met **Hygrophos 400** behandel word wanneer dit onder hitte- en droogtestremmings verkeer nie. Al is laasgenoemde omstandighede slegs tydelik van aard, kan dit aanleiding gee tot fitotoksiese reaksies (bv. blaar- en vrugteskroei, blaarval en gomvorming). **Hygrophos 400** behoort nie toegedien te word indien die temperatuur hoër is as 32°C nie en ook nie tydens lae humiditeit of wanneer die planse onder droogtestremming verkeer nie.
- Dien **Hygrophos 400** slegs toe op aktief groeiende planse.
- Moenie **Hygrophos 400** binne 7 dae voor of na 'n koperbehandeling toedien nie.
- Alhoewel **Hygrophos 400** geneutraliseer is, kan dit steeds korrosief wees vir metaal. Gebruik plastiek- of glasveselhouers wanneer dit as stamverf gebruik word

VERMENGING:

- Vul die spuitenk met skoon water tot 50% van die kapasiteit wat verlang word en begin roer. Voeg die verlangde hoeveelheid Hygrophos 400 by die water, terwyl daar konstant geroer word.
- **Hygrophos 400** sal onmiddellik in die water oplos.
- **Hygrophos 400** moet volledig opgelos wees voordat enige addisionele (verenigbare) landbouchemiese middels bygevoeg word. Volg die betrokke vervaardigers se meng instruksies vir sulke middels. Terwyl die roer proses nogsteeds aan die gang is, voeg die res van die verlangde spuitwater by.
- Indien kleefmiddels of benatters gebruik word, moet dit laaste by die spuitenk gevoeg word.

AANBEVELINGS VIR BEHEER VAN PHYTOPHTHORA WORTEL EN STAMVROT IN SITRUS

Dosis: 500 ml Hygrophos 400 / 100 l water (gebruik 1 800 tot 2 000 l spuitoplossing / ha)

Algemene aanbevelings:

- Blaarbespuiting of stamverf behandelings moet begin na die begin van die reënseisoen en herhaal bespuitings met tussenposes van 6 tot 8 weke, gedurende die reënseisoen.
- Om stelselmatige translokasie van **Hygrophos 400** na wortels van sitrusbome te vergemaklik, vermy behandeling wanneer bome in spruitgroei is. Onder sulke toestande sal dit verkieslik wees om die aanwending te weerhou totdat die nuwe spruitgroei begin om te verhard.

Blaar-toediening:

- Bespuitings moet as ultra-laevolume dekbepuiting met 1 800 tot 2 000 l volumes / ha vir medium tot groot bome toegedien word.

- Gebruik proporsioneel minder vir kleiner bome. Hoër spuitvolumes lei tot oormatige afloop en kan effektiwiteit benadeel en kan skade aan blare en vrugte veroorsaak. Bespuitings met rugsakspuite word aanbeveel vir kleiner bome aangesien produsente probleme ondervind met die kalibrasie van newelblasers om laer volumes per hektaar te lewer. Blaarbespuitings moet toegedien word op bome met hoë turgordruk om blaarbrand te voorkom. Om hierdie rede moet bespuitings vroeg in die oggend of laatmiddag toegedien word. As 'n algemene riglyn is dit raadsaam dat spuitoperasies gestaak word ongeveer 1 uur voordat die lugtemperatuur 30 ° C bereik.
- Moet nie gou na besproeiing of swaar reën toedien nie (sien kommentaar onder gebruiksaanwysings).

Stam toediening:

- Verdun **Hygrophos 400** vir 'n stam behandeling met 'n gelyke volume water.
- Dien toe deur die hele stam vanaf grondvalk 35 cm opwaarts te verf.
- Waar daar onverenigbaarheid van entings plaasvind, dien slegs op die wortel- en laer stam lot toe.
- Sekere wortel / entkombinasies kan sensitief wees. Bevestiging oor die sensitiwiteit van die spesifieke wortel / entkombinasies word dus aanbeveel.

AANBEVELINGS VIR DIE BEHEER VAN DONSSKIMMEL IN TAFEL- EN WYNRUIWE

Dosis: 300 mℓ Hygrophos 400 + 120 g Mankoseb 800 WP/ 100 ℓ water

- Dien toe wanneer lote 10-15 cm lank is. Herhaal elke 10-14 dae hierna, afhangende van die frekwensie en tydsduur van infeksie periode.
- Indien toestande gunstig is vir siekte ontwikkeling, mag dit nodig wees om die spuit-intervalle te verminder na 7 dae.
- Onder uiterste toestande tydens blom en wanneer ongunstige weeromstandighede die spuitprogram erg ontwrig, kan spuit intervalle vir 2-3 bespuitings selfs na 5 dae intervalle verminder word.
- Keer hierna terug na 10-14 dae spuit intervalle, soos omstandighede verbeter.

Belangrike Nota: Na reën of swaar dou, moet blare eers droog vees voor toediening. Herhaal toediening indien meer as 10 mm reën binne een uur na toediening geval het.

Bespuitings moet teen 'n hoë volume toegedien word ten einde goeie bedekking van beide blare en jong ontwikkelende druiwe trosse te verseker. Vermoë oormatige benatting, aangesien dit kan lei tot afloop en verlies van die aktiewe bestanddeel. Spuitvolumes moet gevolglik ooreenstem met die riglyne van die LNR – Vrugte, Wingerd en Wyn Navorsingsinstituut, soos hieronder aangedui:

Groeistadium	Bespuitings Besspuiting Volume Per Hektaar	
	Tafeldruiwe	Wyndruiwe
Loot lengte 2.5 to 25 cm	500 – 750 ℓ	250 – 500 ℓ
25 cm loot lengte tot voor blom	750 – 1000 ℓ	500 – 750 ℓ
Blom tot ertjekorrel-grootte	1000 – 1200 ℓ	750 – 1000 ℓ
Ertjekorrel-grootte tot oes	1200 – 1500 ℓ	1000 – 1200 ℓ

As gevolg van die hoë digtheid van bosgroeie wingerd, is die bespuitingsvolume dieselfde as vir tafeldruiwe.

- Bespuitings moet aanhou tot ertjekorrel-grootte. Tydens abnormale hoë siekte druk, wanneer die loof na ertjekorrel-grootte beskerming benodig, kan voorgesette bespuitings met **Hygrophos 400** en

Mankoseb 800 WP spuitmengsel visuele spuitmerke veroorsaak as gevolg van die Mankoseb in die spuitmengsel. Onder sulke omstandighede sal 'n volgehoue bespuiting met slegs **Hygrophos 400** teen 300 mℓ per 100 ℓ water waardevolle beskerming verskaf aan die loof, sonder visuele spuitmerke. Handhaaf onthoudingsperiode van 28 dae voor oes.

AANBEVELING VIR DIE BEHEER VAN LAAT ROES OP AARTAPPELS

Dosis: 400 mℓ Hygrophos 400 + 100 mℓ ** Chlorothalonil (500 g/ℓ)/ 100 ℓ water

- Dien **Hygrophos 400** in kombinasie met **** Chlorothalonil (500 g/ℓ)** toe, maar maak seker dat die **Hygrophos 400** by die spuitwater gevoeg word. Voeg die **Chlorothalonil (500 g/ℓ)** by wanneer die spuittenk gevul word.
- Bespuitings moet begin in gebiede en seisoene van hoë risiko teen 21 dae vanaf opkoms of vroeër wanneer toestande vir infeksie gunstig is. Sommige distrikte het laat roes waarskuwing stelsels wat nuttig kan wees. Vroeë bespuiting teen 14 en 21 dae na opkoms word die beste toegedien as bespuitings direk oor die ry.
- Herhaal bespuitings met weeklikse tussenposes onder toestande van hoë siektedruk. Dit is egter belangrik om goeie siektebeheer in die vroeë seisoen te handhaaf. Dus, as laat roes dreig om 'n vastrapplek te kry as gevolg van 'n breuk in die spuitprogram, of om enige ander rede, moet die spuitinterval tot 5 dae verkort word. Die teiken wat benodig word, is dat plante ten alle tye 95% vry (of beter) moet wees.
- Bespuitings moet toegedien word as konvensionele hoë volume bespuitings wat goeie blaar- en stam dekking verseker. Spuitvolumes van 500 - 600 ℓ / ha is bedoel met die eerste dekbespuiting, wat tot 1000 ℓ / ha by volle blaardak verhoog. Blaardak wat oor bevrug is, kan oormatig dig wees en kan selfs hoër spuitvolumes vereis.
- Laer spuitvolumes kan gebruik word, mits die spuitgraad van swamdoder per hektaar gehandhaaf word. Dit is bedoel dat die Hygrophos 400 dosis per hektaar 2, 0 – 2.5 ℓ moet wees by die eerste dek bespuiting wat tot 4,0 - 4.5 ℓ per hektaar by volle blaardak kan toeneem. Die **Chlorothalonil (500 g/ℓ)** dosis per hektaar sal 25% van dié van die Hygrophos 400 dosis wees. Produsente moet daarop let dat hoe laer die spuitvolume, hoe meer kritiek sal die faktore van druppelgrootte, verspreiding en penetrasie word. Korrekte en toepaslike kalibrasie van die lae volume spuit is dus nodig. Mislukkings het plaasgevind waar dit nie die geval was nie.
- Die **Hygrophos 400 / Chlorothalonil (500 g/ℓ)** behandeling word tans aanbeveel as 'n program van weeklikse bespuitings. Beperkte data is tans beskikbaar op die insuiting van ander produkte in die program. Sulke insluitings kan óf sinergisties of selfs antagonisties wees. Die insuiting van ander produkte vir laatroes beheer in die program word dus nie aanbeveel nie.

Die byvoeging van 'n kleefmiddel (bv. *Nu-Film P®, *Adhere®) by die **Hygrophos 400 / Mankoseb 800 WP** spuitmengsel, sal die bedekking van die loof en trosse en effektiwiteit verbeter. Voeg *Nu-Film P®, *Adhere® altyd laaste by die spuittenk, deur dit vooraf eers afsonderlik te meng.

* Nu-Film P® (Reg. No. L2980 Act 36 of 1947)

* Adhere® (Reg. No. L8278 Act 36 of 1947)

** Chlorothalonil (500 g / ℓ) is 'n aktiewe bestanddeel van talle geregistreerde swamdoderprodukte.

***Mankoseb 800 WP is 'n aktiewe bestanddeel van talle geregistreerde swamdoderprodukte

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