

## CORONA PRO

**BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY**

**GEBRUIKSAANWYSINGS-INGESLUIT**  
Lotnummer  
Datum van vervaardiging

**VERWYS NA BESONDERHEDE**  
**SOOS OP HOUER / SAK GEDRUK**

# CORONA PRO

**FUNGICIDE**



Reg. No. L10566, Act/Wet No. 36 of/van 1947 1: 07/03/2019

**A suspension concentrate systemic fungicide with mesostemic properties for the control of certain fungal diseases on crops as listed.**

**'n Suspensiekonsentraat sistemiese swamdoder met mesostemiese eienskappe vir die beheer van sekere swamsiektes op gewasse soos aangedui**

<b>FRAC FUNGICIDE GROUP CODE</b>	3,11	<b>FRAC SWAMDODER GROEPKODE</b>
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ACTIVE INGREDIENTS / AKTIEWE BESTANDELE		
Tebuconazole (triazole)	200 g/l	Tebukonasool (triasool)
Trifloxystrobin (strobilurin)	100 g/l	Trifloksistrobin (strobilurien)

Registration Holder / Registrasiehouer  
**Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.**  
 Reg. No. 2000/010819/07  
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika


**20ℓ**

UN Number: 3082



**DIRECTIONS FOR USE ENCLOSED**  
Batch Number  
Date of manufacture

**REFER TO DETAILS AS PRINTED**  
**ON CONTAINER / BAG**



**CAUTION / VERSIGTIG**



## WARNINGS

Allow the following number of days between last application and harvest.

Cabbage.....	21 days
Carrots .....	21 days
Groundnuts.....	42 days
Maize .....	42 days
Maize (Grazing).....	60 days
Onions.....	63 days
Table and Wine Grapes .....	Do not apply after berries have reached the pea-berry stage

**IMPORTANT:** The recommended withholding period between last application and harvest meets local residue level requirements, but may not meet export requirements. If treated crops are intended for export, consult the relevant exporting regulatory body regarding withholding periods before applying a **CORONA PRO** spray programme.

- Handle with care.
- Harmful by inhalation and if swallowed.
- May cause irritation to eyes.
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Possible risk of harm to the unborn child.
- Store under lock and key in original container tightly closed and in a dry, cool, well-ventilated area.
- Store away from sources of ignition and away from foodstuffs, fertilisers and seeds.
- Keep out of reach from children, uninformed persons and animals.
- **CORONA PRO** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in the future, which need to be tested; for this apply **CORONA PRO** to a limited test area before commercial applications are made.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **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 adjacent areas or crops.

**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 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 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 fumes or spray mist.
- Avoid contact with eyes and skin. The use of protective equipment such as a face mask and suitable gloves is recommended.
- Do not eat, drink or smoke while preparing or applying the spray mix, or before washing face and hands.
- Wash hands, arms and face thoroughly with non-abrasive soap and water after use, or in the case of accidental skin contact.
- Wash contaminated clothing after use.
- Avoid spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.
- Do NOT apply to areas where surface water is present.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Clean equipment before and after use. Dispose of wash water where it will not contaminate crops, pastures, rivers, dams or other water sources.
- Container disposal: Invert the empty container over the spray tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Rinse the empty container three times with a volume of water equal to a minimum of a third of the container volume. Add rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy empty containers by perforating and flattening before disposal by an approved chemical waste disposal facility or at a

licensed landfill site according to local regulations. If recycling, replace cap and take containers to the designated recycling point. Do NOT contaminate rivers by disposal. Open burning or dumping of the empty container and its contents are prohibited.

- DO NOT use the empty container for any other purpose.

## MODE OF ACTION

**CORONA PRO** contains the active ingredients tebuconazole and trifloxystrobin. Tebuconazole is a systemic fungicide with protective, curative, and eradicated action. It is absorbed rapidly by the plant, with translocation acropetally. It inhibits sterol demethylation. Trifloxystrobin is a mesostemic, broad-spectrum fungicide with mainly preventative activity. It acts as a Quinone outside inhibitor and inhibits mitochondrial respiration by blocking electron transfer at the Qo center of cytochrome bc1.

## RESISTANCE MANAGEMENT

For resistance management, **CORONA PRO** is a group code 3 and 11 fungicide. Any fungus population may contain individuals naturally resistant to **CORONA PRO** and other group code 3 and 11 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CORONA PRO** or any other group code 3 and 11 fungicide. In order to maintain the efficacy of **CORONA PRO** it is necessary to prevent the development of resistance of diseases against the triazole and strobilurin fungicides.

### To delay fungicide resistance:

- Avoid exclusive, repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes.
- The choice of products to be used during one growing season should take the resistance strategy into consideration.
- Refer to individual product labels when alternating products or when using tank mixtures with registered products.
- Maintain fungicide use records for each field.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.
- Do not reduce the dose rate below what is recommended on the label.
- Do not spray more than 3 applications to cabbage.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **CORONA PRO** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to prompt use of a fungicide with a different mode of action, for which there is no record of resistance to the relevant disease. Meridian Agrochemical Company (Pty) Ltd will not accept any liability for performance failures in the event of a build-up of disease resistance resulting from inadequate resistance management practices as indicated on the label. For specific information on resistance management, contact the registration holder of this product or visit the FRAC website <http://www.frac.info/frac/index.html>.

## USE RESTRICTIONS

- Always apply **CORONA PRO** according to good agricultural practices, which take resistance management into account.
- Under severe drought conditions the uptake and activity of systemic products may be reduced. Therefore, **CORONA PRO** should not be applied during such conditions.
- **Groundnuts:** **CORONA PRO** causes phytotoxic effects on the *Kwartz* cultivar. Therefore, do not apply **CORONA PRO** to this variety.

## DIRECTIONS FOR USE

Use only as directed.

## MIXING INSTRUCTIONS

Shake the container thoroughly immediately before use. Half fill the spray tank with clean water. Do not use brackish water. Whilst agitating, add the recommended amount of **CORONA PRO** to the spray water and continue filling the tank to the required volume. Ensure the mixture is homogenous before application and agitate before and during application. When using **CORONA PRO** in tank mix combinations, full cognisance must be taken of all warnings, precautions and directions for use on that particular product's label. First, mix small quantities of the products separately with water. Check for any signs of incompatibility such as flocculation etc. **Tank mixtures must be sprayed out**

**immediately and not allowed to stand in the spray tank overnight.** If spraying is interrupted, the spray mixture in the tank should be agitated properly before spraying commences.

## **COMPATIBILITY**

The compatibility of **CORONA PRO** with other products depends on the formulations of the respective products, as well as the quality of the spray water to be used. As formulations change from time to time, it is recommended that a physical compatibility test be done prior to the tank mixture being made. Meridian Agrochemical Company (Pty) Ltd cannot be held responsible for damage to crops resulting from tank mixtures with products or formulations not tested. **CORONA PRO** is compatible with mineral oils such as H&R crop oil (L6802).

## **APPLICATION**

Always ensure that application equipment to be used is correctly calibrated, in good working condition and clean from other chemicals. Ensure good coverage by using the spray volumes as indicated in the applicable tables. Always ensure thorough agitation of the mixture in the tank during mixing and spraying operations. **Do not allow the tank mixture to stand still for any period of time.**

**Influence of rain on application:** The application should be repeated if it should rain within 2 hours after application.

## **AERIAL APPLICATION**

Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS Code 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. It is therefore essential that the following criteria be met:

### **Equipment**

- Use suitable atomising equipment that will produce the desired droplet size and coverage of the target area and will ensure the minimum loss of product through drift.
- The operator must use a nozzle set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles and atomisers should be positioned within the inner 60-75% of the wingspan to prevent droplets from entering the wingtip vortices.

### **Application Parameters**

- A spray mixture volume of 30 - 40 l spray mixture per ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy nor be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended.
- A droplet coverage of 25 – 35 droplets per square cm must be recovered at the target.
- A droplet spectrum with a VMD of 280 – 300 micron is recommended. Ensure that the production of fine droplets, with a VMD less than 150 microns, is restricted to a minimum.
- The height of the spray boom should be maintained at between 3 and 4m above the target.
- Do not spray when the aircraft is in a climb, at the top of a turn or during a dive or when banking.

### **Meteorological Conditions**

- The difference between the wet and dry bulb readings, as determined using a whirling hygrometer, must not exceed 8 °C.
- Do not spray under turbulent, unstable conditions or during the heat of the day when rising thermals and downdraughts occur.
- Do not spray under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions as this may cause:
  - i. Reduced efficacy due to suspension and evaporation of small droplets in the air (Which leads to inadequate coverage).

- ii. Damage to other sensitive crops and/or non-target areas through drifting of the spray cloud away from the targeted area.
- Do not spray when the wind speed exceeds 15 km per hour.

#### General

- Ensure that fields are accurately marked and 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 the relevant data will be compiled in a logbook and kept for future reference.**

#### GROUND APPLICATION

**CORONA PRO** may be applied with conventional high volume spray equipment. The apparatus should be correctly calibrated before application to ensure that the correct dosage is applied. Ensure uniform distribution of the spray volume throughout the target area. It is important to obtain good coverage of the plant by using enough water and suitable spraying equipment.

#### RECOMMENDATIONS

CROP & DISEASE	DOSAGE RATE	REMARKS
<b>CABBAGE</b>  <b>White Blister</b> ( <i>Albugo candida</i> )	<b>Ground application:</b>  750 - 1000 ml/ha	Apply the 1st application as a foliar spray before disease establishment (Preventative control). Apply supplement sprays at 21 day intervals.  Do not spray more than 3 applications per season.  <b>Ground application:</b> 300-500 L water/ha
<b>CARROTS</b>  <b>Leaf Blight</b> ( <i>Alternaria dauci</i> )	<b>Ground application:</b>  750 ml/ha	Apply the 1st application as a foliar spray before disease establishment (Preventative control). Apply a succession of a maximum 3 sprays in a preventative programme at 21 day intervals.  <b>Ground application:</b> 300-500 L water/ha
<b>GROUNDNUTS</b>  <b>Leaf Spot</b> ( <i>Cercospora arachidicola</i> )	800 ml/ha + Suitable adjuvant	Apply the 1 <sup>st</sup> application at flowering or earlier with the first signs of the disease. Apply 2 more applications at 14-day (2 week) intervals. Apply as a full cover spray, ensuring good coverage of the entire plant.  <b>Ground application:</b> 300-500 L water/ha
<b>MAIZE</b>  <b>Northern leaf blight</b> ( <i>Setosphaeria turcica</i> )	1000 ml/ha + 500 ml/ha H&R Crop oil	Apply the 1 <sup>st</sup> application at the last time an overhead spray can be made with a normal tractor fitted boom (normally between 35 and 55 days after emergence, but depends on the variety and climatic region) but not later than when 1 to 2 lesions are visible on 50% of the plants. Follow-up applications can be made when conditions favour the development of the disease at 21-28 day intervals. These applications will also control Brown rust and Grey leaf spot if the applications coincide with the critical application time for these diseases.  <b>Ground application:</b> 300-500 L water/ha <b>Knapsack with handheld boom:</b> 50 L water/ha <b>Aerial application:</b> 30-40 L water/ha
<b>ONIONS</b>  <b>Purple Blotch</b> ( <i>Alternaria porri</i> )	<b>Ground application:</b>  1000 ml/ha	Apply the 1st application as a foliar spray before disease establishment (Preventative control). Apply a succession of a maximum 3 sprays in a preventative programme at 21 day intervals.  <b>Ground application:</b> 300-500 L water/ha

<p><b>TABLE AND WINE GRAPES</b></p> <p><b>Powdery Mildew</b> (<i>Oidium tuckeri</i>)</p>	<p>40 ml/100L</p>	<p>Apply 1<sup>st</sup> application when shoots are 2-5 cm long and repeat at 10-14-day intervals. Apply a maximum of 3 applications per season.  <b>Do not apply after berries reach pea-berry stage (4-6 weeks before harvest)</b>          Spray to the point of run-off and ensure even coverage.  <b>HIGH VOLUME APPLICATION:</b>          Apply 300 to 1500 L spray mixture/ha depending on the crop size. See 'Notes' below.</p>
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**NOTES:**

**Spray volume to be used on grapes depending on crop size:**

GROWTH STAGE	Water volume (L/ha)	
	Wine Grapes	Table Grapes
Shoots 2-5 cm long up to and including just before blossom	300 – 750	500 – 1000
Flowering up to pea-size of the berries	750 – 1000	1000 – 1500
Berries at pea-size up to harvest	1000 - 1500	-

**ACKNOWLEDGMENT OF TRADEMARKS**

H&R Crop oil (L 6802)

H&R South Africa Sales (Pty) Ltd.

## WAARSKUWINGS

Laat die volgende aantal dae toe tussen laaste toediening en oes of beweiding:

Kool.....	21 dae
Wortels.....	21 dae
Grondbone.....	42 dae
Mielies.....	42 dae
Mielies (weiding).....	60 dae
Uie.....	63 dae
Tafel- en wyndruiwe.....	Moenie toedien nadat korrels ertjekorrelgrootte bereik het nie

**BELANGRIK:** Die aanbevole onthoudingsperiode tussen laaste toediening en oes voldoen aan die vereistes vir plaaslike residuvlakke, maar mag dalk nie aan die vereistes vir uitvoer voldoen nie. Indien behandelde gewasse vir uitvoer bestem is, moet met die betrokke uitvoerorganisasie geraadpleeg word aangaande die onthoudingsperiodes alvorens **CORONA PRO** in 'n spuitprogram gebruik word.

- Hanteer versigtig.
  - Skadelik wanneer ingesluk of ingeasem word.
  - Mag oogirritasie veroorsaak.
  - Uiters giftig vir waterorganismes en mag langtermyn nadelige effek op akwatiese omgewing hê.
  - Moontlike gevaar van skade aan die ongebore kind.
  - Bêre agter slot-en-grendel in die oorspronklike houer wat dig-sluitend is en in 'n droë, koel, goed-geventileerde area.
  - Bêre weg van vlambare bronne en weg van voedsel, kunsmis en saad.
  - Hou buite bereik van kinders, oningeligte persone en diere.
- CORONA PRO** is sonder enige fitotoksisiteitskade op die mees belangrikste kommersiële kultivars getoets. Meer sensitiewe kultivars mag in die toekoms vrygestel word wat eers getoets moet word; hiervoor moet **CORONA PRO** eers op 'n klein toetsoppervlakte aangewend word, alvorens groot kommersiële bespuitings gemaak word.
- **Herbetreding** – Moenie behandelde gebiede betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.
  - **Lugtoediening:** Stel al die inwoners in die onmiddellike omgewing van die gebied wat gespuit gaan word in kennis en reik die nodige waarskuwings uit. Moenie oor areas toedien of toelaat dat die spuitnewel wegdryf en aangrensende gebiede of gewasse besoedel nie.

**Hoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die siekte teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordlikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van 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 verskafter in die geval van enige onsekerheid.**

## VOORSORGMATREËLS

- Moenie die damp of spuitnewel inasem nie.
- Vermy kontak met oë en vel. Die gebruik van beskermende toerusting soos 'n gesigmasker en geskikte handskoene word aanbeveel.
- Moenie eet, drink of rook tydens vermenging of toediening van die produk of voordat hande en gesig gewas is nie.
- Was hande, arms en gesig deeglik met nie-skurende seep en water onmiddellik na gebruik, of in die geval van toevallige velkontak.
- Was besoedelde klere onmiddellik na gebruik.
- Vermy wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en areas wat nie onder behandeling is nie.
- MOENIE toedien op areas waar oppervlaktewater teenwoordig is nie.
- Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.
- Maak toedieningsapparaat voor en na gebruik skoon. Raak ontslae van uitspoelwater waar dit nie gewasse, weiding, riviere, damme en ander waterbronne sal besoedel nie.

- Wegdoen van houer: Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houer daarna **drie keer** uit met 'n volume water gelykstaande aan 'n minimum van een derde van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrywe manier vernietig word. Vernietig leë houers deur gate daarin te maak en dit plat te maak voordat dit na 'n goedgekeurde chemiese afvalverwerkingsfasiliteit of gelisensieërde stortingsterrein volgens plaaslike regulasies geneem word. Indien dit herwin word, plaas deksel op houer en neem na aangewese herwinningspunt. MOENIE riviere met houers besoedel nie. Verbranding en storting van leë houers en inhoud daarvan, is streng verbode.
- MOENIE die houer vir enige ander doel gebruik nie

## METODE VAN WERKING

**CORONA PRO** bevat die aktiewe bestanddele tebukonasool en trifloksistrobien. Tebukonasool is 'n sistemiese swamdoder met beskermende, genesende en uitwissende eienskappe. Dit word vining deur die plant geabsorbeer en akropetaal getranslokeer. Dit inhibeer steroldemetilering. Trifloksistrobien is 'n mesostemiese breëspektrum swamdoder met hoofsaaklik voorkomende eienskappe. Dit tree op as 'n kinoon buite-inhibeerder en verhoed mitochondriale respirasie deurdat dit die elektronoordrag by die Qo-sentrum van sitochroom bc1 blokkeer.

## WEERSTANDSWAARSKUWING

Vir weerstandsbestuur is **CORONA PRO** 'n groeppkode 3 en 11 swamdoder. Enige populasie van 'n spesifieke siekte mag individue insluit wat 'n natuurlike weerstand teen **CORONA PRO**, of enige ander groeppkode 3 en 11 swamdoders, het. Indien hierdie swamdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die siektepopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur **CORONA PRO** of enige ander groeppkode 3 en 11 swamdoders beheer word nie. Om die effektiwiteit van **CORONA PRO** te behou is dit noodsaaklik om te verhoed dat weerstand van die siekte teen die triasool- en strobilurienswamdoders ontwikkel.

### Om weerstand teen swamdoders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van swamdoders met dieselfde groeppkode. Wissel af met, of gebruik tenkmengsels van, produkte in verskillende swamdodergroeppkodes.
- Die produkkeuses wat gedurende een groeiseisoen gebruik gaan word, moet die weerstandstrategie in ag neem.
- Verwys na die individuele produktiketie wanneer afwisselende produkte gebruik word, of wanneer tenkmengsels met geregistreerde produkte gemaak word.
- Hou rekord van swamdodergebruik van elke land/boord.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in swambeheerprogramme.
- Moenie die aanbevole dosis soos wat op die etiket verskyn, verminder nie.
- Moenie meer as 3 toedienings op kool maak nie.

Aangesien die voorkoms van weerstandbiedendheid moeilik is om te bepaal, is dit uiters belangrik om die behandelde gewasse noukeurig te ondersoek. Indien die behandeling nie effektief was met die gebruik van **CORONA PRO** soos voorgeskryf nie, mag daar 'n weerstandbiedende-populasie teenwoordig wees. Indien so 'n weerstandbiedende-populasie positief geïdentifiseer word, moet daar onmiddellik 'n swamdoderbespuiting wat 'n ander werkswyse het, waar daar geen bewys van weerstand teen die siekte voorkom, gedoen word. Meridian Agrochemical Company (Edms.) Bpk. sal geen verantwoordelikheid aanvaar vir enige gebrek aan prestasie in die geval van die opbou van siekteweerstand as gevolg van onvoldoende weerstandsbestuurspraktyke soos aangedui op die etiket nie. Vir spesifieke inligting oor weerstandsbestuur kan die registrasiehouer van hierdie produk gekontak word of die FRAC webwerf by <http://www.frac.info/frac/index.html> besoek word.

## GBRUIKSBEPERKINGS

- Dien **CORONA PRO** altyd volgens goeie landboupraktyke toe en neem weerstandsbestuur in ag.
- Tydens ernstige droogte-toestande mag die opname en werking van die sistemiese produkte verswak. Moet gevolglik nie **CORONA PRO** onder sulke toestande toedien nie.
- **Grondbone:** **CORONA PRO** mag 'n fitotoksiese effek op die *Kwartz* kultivar hê. Moet gevolglik nie **CORONA PRO** op hierdie kultivar toedien nie.

## GBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.



## MENGINSTRUKSIES

Skud die houer deeglik voor gebruik. Vul die spuittenk halfvol met skoon water. Moenie brakwater gebruik nie. Voeg die verlangde hoeveelheid **CORONA PRO** in die spuittenk terwyl dit geroer word en vul die tenk tot by die verlangde volume. Verseker voor toediening dat die mengsel homogeen is en roering moet voor bespuiting asook tydens bespuiting plaasvind. Indien **CORONA PRO** in tenkmengsels met ander produkte gebruik word, moet aandag aan al die waarskuwings, voorsorgmaatreëls en gebruiksaanwysings op daardie spesifieke produketikette gegee word. Eerstens moet 'n klein hoeveelheid van die produkte apart met water gemeng word. Let op vir enige tekens van onverenigbaarheid soos flokkulasie ens. **Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om in die spuittenk oornag te staan nie.** Indien bespuiting onderbreek word, moet deeglike roering plaasvind voordat met bespuiting voortgegaan word.

## VERENIGBAARHEID

Die verenigbaarheid van **CORONA PRO** met ander produkte sal van die formulerings van die onderskeie produkte afhang, asook van die kwaliteit van die spuitwater wat gebruik word. Soos formulerings van tyd tot tyd verander, is dit raadsaam om eers 'n fisiese verenigbaarheidstoets te doen, voordat tenkmengsels gemaak word. Meridian Agrochemical Company (Edms.) Bpk. kan nie verantwoordelik gehou word vir skade aan gewasse a.g.v. tenkmengsels met produkte of formulerings wat nie getoets is nie. **CORONA PRO** is verenigbaar met minerale olies soos H&R crop oil (L6802).

## TOEDIENINGSMETODES

Maak seker dat die spuittoerusting korrek gekalibreer is, in goeie werkende toestand is en skoon van ander chemikalieë is. Verseker goeie bedekking deur van die spuitvolumes gebruik te maak soos in die toedieningstabelle aangedui. Verseker altyd dat deeglike roering tydens vermenging en toediening plaasvind. **Moenie toelaat dat die tenkmengsels vir 'n tydperk stilstaan nie.**

**Invloed van reën op die toediening:** Die toediening moet herhaal word sou dit binne 2 ure na bespuiting reën.

## LUGTOEDIENING

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides) gedoen word. Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus belangrik om aan die volgende vereistes te voldoen:

### Toerusting

- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n spuitkopstelsel opstel wat 'n druppelspektrum met die kleinste moontlike relatiewe spanwydte sal produseer.
- Al die spuitkoppe en atomiseerders moet in die binneste 60 - 75% van die vlerkspan geplaas word om te verhoed dat die druppels binne-in die vlerkvorteks inbeweeg.

### Toedieningsparameters

- 'n Minimum volume van 30 - 40 l spuitmengsel per hektaar word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effek indien hierdie produk teen 'n laer volume as hierbo aanbeveel, uit die lug toegedien word nie.
- 'n Druppelbedekking van 25 - 35 druppels per vierkante cm moet op die teikenarea herwin word.
- 'n Druppelspektrum met 'n VMD van 280 - 300 mikron word aanbeveel. Verseker dat die produksie van fyn druppels (kleiner as 150 mikron) tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet tussen 3 en 4 meter bokant die teiken gehandhaaf word.
- Moenie spuit wanneer die vliegtuig besig is om te klim, te draai, te duik, of terwyl dit uitklim nie.

### Meteorologiese Toestande

- Die verskil tussen die nat- en droëbollesing, soos met 'n swaaihygrometer bepaal, moet nie 8°C oorskry nie.
- Moenie tydens turbulente, onstabiele toestande, of gedurende die hitte van die dag wanneer stygende en dalende konveksie-windbewegings plaasvind, toedien nie.

- Moenie tydens temperatuur-inversie-toestande (deur bokant of binne-in die inversielaag te spuit) en/of gedurende hoë humiditeitstoestande toedien nie, aangesien dit kan lei tot:
  - i. Verlaagde effektiwiteit a.g.v. suspensie of verdamping van klein druppels in die lug (wat tot onvoldoende bedekking op teikenarea lei).
  - ii. Skade aan ander sensitiewe gewasse en/of nie-teikenareas deur wegdrywing van die spuitwolk vanaf die teikenarea.
- Moenie spuit wanneer die windspoed 15 km per uur oorskry nie.

#### Algemeen

- Verseker dat die lande akkuraat gemerk is en dat die spuitoperateur presies weet watter lande gespuit moet word.
- **Verkry die versekering van die spuitoperateur dat aan die bogenoemde vereistes voldoen sal word en dat al die relevante data in 'n logboek opgeteken sal word vir toekomstige verwysing.**

#### GRONDOEDIENING

**CORONA PRO** mag met konvensionele hoë-volume spuittoerusting toegedien word. Die toerusting moet korrek voor bespuiting gekalibreer word om te verseker dat die korrekte dosis toegedien word. Verseker egalige verspreiding van die spuitvolume oor die teikengebied. Dit is belangrik om goeie bedekking oor die plant te verseker deur genoegsame water toe te dien en geskikte spuittoerusting te gebruik.

#### AANBEVELINGS

GEWAS & SIEKTE	DOSIS	OPMERKINGS
<b>KOOL</b>  <b>Witroes</b> <i>(Albugo candida)</i>	<b>Grondtoediening:</b>  750 - 1000 ml/ha	Dien 1ste bespuiting as blaarbespuiting toe voordat siekte-ontwikkeling plaasvind (voorkomende beheer). Dien opvolgbespuitings met 21 dae intervalle toe.  Moenie meer as 3 bespuitings per seisoen toedien nie.  <b>Grondtoediening:</b> 300-500 L water/ha
<b>WORTELS</b>  <b>Blaarskroei</b> <i>(Alternaria dauci)</i>	<b>Grondtoediening:</b>  750 ml/ha	Dien 1ste bespuiting as blaarbespuiting toe voordat siekte-ontwikkeling plaasvind (voorkomende beheer). Dien 'n reeks van maksimum 3 bespuitings toe in 'n voorkomende spuitprogram met 21 dae intervalle.  <b>Grondtoediening:</b> 300-500 L water/ha
<b>GRONDBONE</b>  <b>Blaarvlek</b> <i>(Cercospora arachidicola)</i>	800 ml/ha + geskikte bevorderingsmiddel	Dien die 1ste bespuiting tydens blom toe, of vroeër met die eerste tekens van die siekte. Dien 2 verdere bespuitings met 14 dae (2weke) intervalle toe.  Dien as 'n vol dekbespuiting toe en verseker goeie bedekking van die plant.  <b>Grondtoediening:</b> 300-500 L water/ha
<b>MIELIES</b>  <b>Noordelike mielieblaarskroei</b> <i>(Setosphaeria turcica)</i>	1000 ml/ha + 500 ml/ha H&R Crop oil	Dien die 1ste bespuiting toe wanneer die laaste oorhoofse bespuiting met 'n normale trekkerbalkspuit gedoen kan word (noormalweg tussen 35 en 55 dae na opkoms, afhangende van die kultivar en klimaatsomgewing), maar nie later as wanneer 1 tot 2 letsels op 50% van die plante sigbaar is nie. Opvolgbespuitings moet met 21-28 dae intervalle gedoen word as omstandighede bevordelik is vir siekte-ontwikkeling.  Hierdie bespuitings sal ook bruinroes en grysblaarvlek beheer indien die toedienings

		<p>ooreenstem met die kritiese tyd vir die beheer van hierdie siektes.</p> <p><b>Grondtoediening:</b> 300-500 L water/ha  <b>Rugsak en handspuitbalk:</b> 50 L water/ha  <b>Lugtoediening:</b> 30-40 L water/ha</p>
<p><b>UIE</b></p> <p><b>Alternaria-vlek</b>  <i>(Alternaria porri)</i></p>	<p><b>Grondtoediening:</b></p> <p>1000 ml/ha</p>	<p>Dien 1ste bespuiting as blaarbespuiting toe voordat siekte-ontwikkeling plaasvind (voorkomende beheer).  Dien opvolgbespuitings tot 'n maksimum van 3 toedienings met 21-dae intervalle toe.</p> <p><b>Grondtoediening:</b> 300-500 L water/ha</p>
<p><b>TAFEL- EN WYNDRIUWE</b></p> <p><b>Poeieragtige skimmel</b>  <i>(Oidium tuckeri)</i></p>	<p>40 ml/100L</p>	<p>Dien 1ste bespuiting toe wanneer lote 2-5 cm lank is en herhaal met 10-14-dae intervalle. Dien 'n maksimum van 3 toedienings per seisoen toe.</p> <p><b>Moenie toedien as korrels ertjekorrelgrootte bereik het nie (4-6 weke voor oes).</b></p> <p>Spuit tot by punt van afloop en verseker egalige bedekking.</p> <p><b>HOË VOLUME TOEDIENING:</b>  Dien toe in 300 tot 1500 L spuitmengsel/ha afhangend van die gewasgrootte. Sien 'Notas' hieronder.</p>

**NOTAS:**

Die spuitvolume wat op druiwe gebruik word, hang van die gewasgrootte af:

GROEISTADIUM	Watervolume (L/ha)	
	Wyndruiwe	Tafeldruiwe
Lootlengte 2-5 cm tot net voor blom	300 – 750	500 – 1000
Blom tot by ertjekorrelgrootte van die korrels	750 – 1000	1000 – 1500
Korrels by ertjekorrelgrootte tot oes	1000 - 1500	-

**ERKENNING VAN HANDELSNAME**

H&R Crop oil (L 6802)

H&R South Africa Sales (Edms.) Bpk.