


REMAX

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

REMAX

PLANT GROWTH REGULATOR



Reg. No. L10609, Act/Wet No. 36 of/van 1947 1: 27/03/2019

A water dispersible granular plant growth regulator that is used for the reduction of excessive shoot growth in apples.

'n Waterdispergeerbare korrel plantgroeireguleerder wat gebruik word vir die vermindering van oormatige lootgroeï in appels.




ACTIVE INGREDIENT / AKTIEWE BESTANDEEL	
Prohexadione-calcium (acyclohexanediones)	100 g/kg Proheksadioon-kalsium (asielsikloheksaandione)


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

5kg



UN Number: NA



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

DIRECTIONS FOR USE ENCLOSED
**REFER TO DETAILS AS PRINTED
 ON CONTAINER / BAG**

WARNINGS

Allow the following number of days between last application and harvest

Apples.....56 days

IMPORTANT: The recommended withholding period between last application and harvest meets local residue requirements, but may not meet export requirements.

- Handle with care.
- Store under lock and key in the original, tightly closed container in a cool, dry, well-ventilated area.
- Store away from food, feed, seed and fertilisers.
- Keep away from children, uninformed persons and animals.

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; 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

- Avoid inhalation of fumes and spray mist.
- Do not eat, drink or smoke while preparing or applying the spray mix, or before washing face and hands.
- Wash contaminated clothing daily.
- Wash with soap and water after accidental skin contact.
- Avoid spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.
- Clean equipment before and after use. Dispose of rinsate where it will not contaminate crops, pastures, rivers, dams or other water sources.
- 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 30 % of that of the container. Add rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- DO NOT use the empty container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

MODE OF ACTION

REMAX is a water dispersible granular formulation which contains the active ingredient prohexadione-calcium. Prohexadione-calcium is a foliar-applied plant growth regulator and retardant which is absorbed via green tissue and translocated basipetally, as well as acropetally, within the plant. It inhibits the 3 β -hydroxylation of GA₂₀ to GA₁ in gibberellin biosynthesis. The reduced levels of gibberellins lead to growth retardation of plants.

USE RESTRICTIONS

- Do not apply **REMAX** to any crop or situation not mentioned in this label.
- Apply **REMAX** only to active growing trees, according to the tree size and rates as mentioned below.
- High temperatures, low Relative Humidity and strong winds restricts the uptake of **REMAX** and it requires 4 to 8 hours for sufficient uptake by the trees. It is therefore critical to apply **REMAX** late in the afternoon or alternatively early morning.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Meridian Agrochemical Company (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Meridian representative was consulted beforehand.

- If **REMAX** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.

DIRECTIONS FOR USE

Use only as directed.

MIXING INSTRUCTIONS

Half-fill the spray tank with clean water. Whilst agitating, add the recommended amount of **REMAX** to the spray water. Measure the required volume of the adjuvant and add to the water in the tank while maintaining agitation. Fill the spray tank to the desired volume while maintaining constant agitation. Do not use brackish water. Do not leave the spray mixture to settle or stand before applying. If spraying is interrupted, the spray mixture in the tank should be agitated properly before spraying is commenced. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

APPLICATION INSTRUCTIONS

REMAX must be applied with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application. The distribution of the spray volume must be uniform throughout the target area. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

High volume application

- Use a sprayer that is designed to apply high volumes of water to the point of run-off and is matched to the crop being sprayed.
- Set up and operate the sprayer in such a way as to achieve even coverage throughout the crop canopy. Apply enough water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required volume of water can be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Add the amount of product specified in the Recommendations table below for each 100 l of water. Spray to the point of run-off.
- As crop growth occurs, the required dilute spray volume will change and the sprayer set up and operation may also need to be changed.

The water volume to be applied per hectare should be calculated according to the Tree Row Volume (TRV) formula described by Unrath (Deciduous Fruit Grower Nov. 1986):

$$l/ha = \frac{\text{Tree height} \times \text{Tree depth} \times 937}{\text{Row Width}}$$

This is the water volume required when the trees are in full leaf. Use the water volume required per hectare to calculate the amount of **REMAX** required per hectare. The following water requirements per hectare are recommended according to the different growth stages of the tree:

GROWTH STAGE	% HV – WATER REQUIREMENT/HA
Blossom – First application	80%
4 Weeks later – Second application	100%

Low volume application

- When applying a low volume application of **REMAX**, the rate must be at least 1.25 kg / ha.
- Use the above formula to calculate the required amount of **REMAX** per ha.

RECOMMENDATIONS

CROP	DOSAGE RATE	REMARKS
APPLES	70 g REMAX / 100 ℓ water PLUS A suitable adjuvant	REMAX must be applied at a minimum of 1.25 kg / ha. Apply the first application as a foliar spray, when the terminal shoots are at a length of 5 – 7 cm and 3 – 5 leaves per shoot are fully developed. This period is associated with growth stage 31 (100% petal drop). Apply a second application 4 weeks later. Apply as a high-volume application according to the Tree Row Volume or as a low volume application. Refer to Application Instructions above.

WAARSKUWINGS

Laat die volgende aantal dae toe tussen laaste toediening en oes.

Appels.....56 dae

BELANGRIK: Die aanbevole onthoudingsperiode tussen laaste toediening en oes voldoen aan plaaslike residuvlakke, maar mag dalk nie aan die vereistes vir uitvoer voldoen nie.

- Hanteer versigtig.
- Bêre agter slot-en-grendel in die oorspronklike, digsluitende houër in 'n koel, droë en goed-geventileerde area.
- Bêre weg van voedsel, voer, saad en kunsmis.
- Hou buite bereik van kinders, ongeligte persone en diere.

Alhoewel 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 verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van die toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige invloede 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

- Moenie die dampe of spuitnewel inasem nie.
- Moenie eet, drink of rook tydens vermenging of toediening van die produk of voordat hande en gesig gewas is nie.
- Was besoedelde klere daaglik.
- In geval van toevallige velkontak, was met seep en water.
- Vermy wegdrywing van spuitnewel na ander gewasse, weiding, riviere, damme en gebiede wat nie behandel moet word nie.
- Maak toedieningsapparaat voor en na gebruik skoon. Uitspoelwater moet nie gewasse, weidings, riviere, damme of ander waterbronne besoedel nie.
- Wegdoen van houër: Keer die lê houër om oor die spuitenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel die houër daarna **drie keer** uit met 'n volume water gelykstaande aan 'n minimum van een derde van die inhoud van die houër. Gooi die spoelwater by die inhoud van die spuitenk voordat die houër op die voorgeskrewe manier vernietig word.
- MOENIE die houër vir enige ander doel gebruik nie.
- Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.

METODE VAN WERKING

REMAX is 'n waterdispergeerbare korrel-formulering met die aktiewe bestanddeel proheksadioon-kalsium. Proheksadioon-kalsium is 'n blaartoegediende plantgroeireguleerder en vertragsmiddel wat deur die groenweefsel geabsorbeer word en basipetaal en akropetaal in die plant getranslokeer word. Dit inhibeer die 3β -hidroksilering van GA_{20} tot GA_1 in gibberellienbiosintese. Die verlaagde vlakke van gibberellien lei tot vertraagde groei in plante.

GEBRUIKSBEPERKINGS

- Moenie **REMAX** op enige gewas of situasie toedien wat nie op hierdie etiket verskyn nie.
- Dien **REMAX** slegs toe op aktief groeiende bome, volgens die boomgrootte en dosis hieronder genoem.
- Hoë temperatuur, lae relatiewe humiditeit en sterk winde belemmer die opname van **REMAX** en dit benodig 4 tot 8 ure vir genoegsame opname deur die bome. Dit is dus van kritiese belang om **REMAX** laatmiddag of alternatiewelik, vroegoggende toe te dien.
- Moet nie hierdie produk in kombinasie of tenkmengsel met enige ander produk of landboumiddel gebruik wat nie spesifiek op hierdie etiket gelys is nie. Meridian Agrochemical Company (Edms.) Bpk.

aanvaar geen verantwoordelikheid vir enige negatiewe gevolge indien die instruksies op die etiket nie nagekom word nie, tensy 'n Meridian verteenwoordiger vooraf geraadpleeg is.

- Indien **REMAX** in 'n tenkmengsel met ander aanbevole produkte gebruik word, moet oorweging aan die beperkings van daardie betrokke produkte geskenk word.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

MENGINSTRUKSIES

Vul die spuittenk halfvol met skoon water. Voeg die verlangde hoeveelheid **REMAX** by die spuitwater terwyl dit geroer word. Meet die hoeveelheid bevorderingsmiddel af en voeg dit by die water in die spuittenk terwyl roering plaasvind. Maak spuittenk tot by die verlangde volume vol terwyl roering plaasvind. Moenie brakwater gebruik nie. Moenie toelaat dat spuitmengsel afsak of staan voor toediening nie. Indien spuitproses onderbreek word, moet deeglike roering plaasvind voordat met bespuiting voortgegaan word. **Tenkmengsels moet onmiddellik uitgespuit word en nie toegelaat word om in die spuittenk oornag te staan nie.** Spuittoerusting moet deeglik aan die einde van die spuitproses uitgespoel word.

TOEDIENINGSMETODES

REMAX moet met geskikte toerusting toegedien word wat in goeie werkende toestand en korrek gekalibreer is om die verlangde bedekking vir die betrokke toedieningsmetode te lewer. Die verspreiding van die spuitvolume moet egalig oor die teikengebied versprei word. **Konstante roering gedurende die spuitproses is noodsaaklik.** Slegs skoon water moet gebruik word.

Hoë-volume bespuiting

- Gebruik spuittoerusting wat ontwerp is om hoë-volume water tot by punt van afloop te kan spuit en wat ooreenstem met die gewas wat gespuit word.
- Stel die spuitmasjien op om egalige bedekking regdeur die blaredak te verseker. Dien genoeg water toe om die gewas tot by punt van afloop te bedek, maar oormatige afloop moet verhoed word.
- Die verlangde volume water kan deur verskillende toetsvolumes bepaal word, deur verskillende verstellings op die spuitmasjien te maak, of industrie-ryglyne of spesialis advies te volg.
- Voeg die hoeveelheid produk per 100 ℓ water by soos in die Aanbevelingstabel hieronder gespesifiseer. Spuit tot by punt van afloop.
- Soos die gewas groei, sal die verlangde verdunde spuitvolume ook verander en mag die verstelling aan die spuit ook verander.

Die watervolume wat per hektaar toegedien moet word, moet volgens die Boom-Ry-Volume (BRV) formule bepaal word, soos deur Unrath (Sagte Vrugteboer Nov. 1986) beskryf:

$$\ell/\text{ha} = \frac{\text{Boomhoogte} \times \text{Boomdiepte} \times 937}{\text{Rywydte}}$$

Dit is die watervolume wat nodig is wanneer die boom in volblad is. Gebruik die watervolume per hektaar wat benodig word om te bepaal hoeveel **REMAX** per hektaar benodig word. Die volgende watervolumes per hektaar word aanbeveel volgens die verskillende groeistadium van die boom.

GROEISTADIUM	% HV – WATER-VEREISTE/HA
Volblom - Eerste toediening	80%
4 Weke later - Tweede toediening	100%

Lae-volume bespuiting

- Wanneer 'n lae-volume bespuiting van **REMAX** toegedien word, moet die dosis ten minste 1.25 kg/ha wees.
- Gebruik die bostaande formule om die verlangde hoeveelheid **REMAX** per ha te bepaal.

AANBEVELINGS

GEWAS	DOSIS	OPMERKINGS
APPELS	70 g REMAX /100 ℓ water PLUS Gesikite bevorderingsmiddel	'n Minimum van 1.25 kg/ha REMAX moet toegedien word. Dien die eerste bespuiting as 'n blaarbespuiting toe, wanneer die laterale lote 5 – 7 cm lank is en 3 – 5 blare per loot ten volle ontwikkel (ontvou) het. Hierdie is tydens groeistadium 31 (100% blomblaarval). Dien 'n tweede bespuiting 4 weke later toe. Dien as 'n hoë-volume bespuiting toe volgens die Boom-Ry-Volume of as 'n lae-volume bespuiting. Verwys na die Toedieningsmetodes hierbo.