



# DICTATE

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

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

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

## DICTATE

INSECTICIDE

Reg. No. L9858, Act/Wet No. 36 of/van 1947 1: 21/07/2015

**An emulsifiable concentrate systemic and contact insecticide for the control of insects as indicated.**

**'n Emulgeerbare konsentraat sistemiese- en kontak insekdoder vir die beheer van die insekte soos aangedui.**

IRAC INSECTICIDE GROUP CODE	1B	IRAC INSEKDODERGROEPKODE
ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
Dimethoate (organophosphate)	400 g/l	Dimetooat (organofosfaat)

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

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**PRODUCT INFORMATION / PRODUKINLIGTING:** TEL: 011 822 8509  
**IN CASE OF POISONING / IN GEVAL VAN VERGIFTIGING:**  
 Griffon Poison Centre: 082 446 8946

UN Number: 3017

TOXIC / GIFTIG

## WARNINGS

**Allow the following number of days between last treatment and harvest or use as food or feed:**

Barley.....	50 days
Cruciferae.....	14 days
Wheat.....	21 days

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

- Handle with extreme care.
- Poisonous when swallowed or inhaled or absorbed through the skin.
- **Toxic to fish, bees and wildlife. DO NOT** spray directly onto bees or when bees are active in crops. **DO NOT** spray into open blossoms.
- Do not use on warm-blooded animals or in houses.
- **Flammable** – do not store or spray near open flames.
- Store under lock and key in a cool place at temperatures not exceeding 40 °C, away from food, feeds, seed and fertilizers.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry** – Do not enter the treated area within 2 days after treatment, unless wearing protective clothing.
- Do not graze adjacent fields within 4 days following application.
- **In case of poisoning, call a doctor and make this label available to him.**
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be treated and issue the necessary warnings. Do not spray over, or allow drift to contaminate, water or adjacent areas.
- **DICTATE** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which will need to be tested; for this apply **DICTATE** to a limited test area before commercial applications are made.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity 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 pest against the remedy, 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 by 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 skin and eye contact by wearing full protective clothing such as rubber gloves and boots and a face shield when handling the concentrate and dilute product.
- Wash with soap and water after use and accidental skin contact. Also wash contaminated clothing.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothes.
- Do not clear choked spray equipment by blowing with the mouth.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Triple rinse the empty container in the following manner: Invert the container over the spray tank or mixing tank and allow to drain for at least 30 seconds after flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank or container used for drench application before destroying the container. Do not use the empty container for any other purpose.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- Prevent contamination of food, feeds, drinking water and eating utensils.

## SYMPTOMS OF HUMAN POISONING

Nausea, headache, tiredness, giddiness, blurred vision and papillary constriction, vomiting, abdominal pain, diarrhoea, sweating and salivation. Confusion, ataxia, slurred speech, loss of reflexes are some of the central nervous system effects which may lead to misdiagnosis as acute alcoholism. After inhalation of vapours, effects

appear within minutes: ocular and respiratory effects. This may include marked miosis, ocular pain, conjunctival congestion, diminished vision, ciliary spasm and brow ache.

With acute systemic absorption: rhinorrhea, hyperaemia of upper respiratory tract, tightness of the chest and wheezing respiration.

Severe intoxication: salivation, involuntary defecation and urination, sweating, lacrimation, penile erection, bradycardia and hypotension.

#### FIRST AID

- Remove the patient from the source of poisoning to a well-ventilated area and keep him / her calm and re-assured.
- **Skin contact:** Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub the skin.
- **Eye contact:** Flush contamination out of eyes with clean running water for at least 15 – 20 minutes holding the eyelid/s open.
- **Ingestion:** If a water diluted mixture has been swallowed, rinse mouth thoroughly with water. **Do not induce vomiting** due to aromatic solvent. **Seek medical attention immediately.** Administer artificial respiration or closed chest cardiac massage if needed. **Do not** apply mouth – to – mouth respiration. **Never** give anything by mouth to an unconscious person.
- **Take the patient to the nearest physician immediately.**

#### NOTE TO PHYSICIAN

Administer atropine as early as possible in an adequate dosage until signs of atropinisation (dry, flushed skin, tachycardia and pulse rate over 120 beats per minute) occur. In order to prevent gastrointestinal absorption in the unconscious that have swallowed this product, perform stomach lavage using bicarbonate solution and activated charcoal. In less severe cases, begin with 2 mg atropine intravenously for adults or 0.05 mg atropine / kg body weight for children under 12 years of age and repeat administration of the drug at 15 – 30 minute intervals. Morphine and similar drugs are contra-indicated. Avoid aminoglycosides and succinylcholine, which have a blocking effect on the neuromuscular junction. Phenothiazines, reserpine and theophylline are contra-indicated.

#### RESISTANCE WARNING

For resistance management, **DICTATE** is a group code 1B insecticide. Any insect population may contain individuals naturally resistant to **DICTATE** and other group code 1B insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **DICTATE** or any other group code 1B insecticide.

#### To delay insecticide resistance:

- Avoid the exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with registered products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.
- The choice of products to be used during one growing season should take the resistance strategy into consideration.

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 **DICTATE** as recommended, a resistant insect population may be present. If a resistant insect population is positively identified, consideration should be given to prompt use of an insecticide with a different mode of action for which there is no record of resistance to the relevant pest. For specific information on resistance management, contact the registration holder of this product.

#### USE RESTRICTIONS

- Do not apply **DICTATE** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **DICTATE** using an accurate and safe application technique.
- If **DICTATE** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- 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.

## **DIRECTIONS FOR USE**

Use only as directed.

## **COMPATIBILITY**

The compatibility of **DICTATE** 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.

- **DICTATE** is not compatible with alkaline compounds.
- In order to prevent leaf damage, **DICTATE** should not be mixed with Captab.

When **DICTATE** is used in conjunction with any other agricultural remedy, all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on those particular product labels, must be adhered to.

## **APPLICATION METHODS**

### **Ground application:**

- Pour the required amount of the **DICTATE** concentrate into the water in the tank and mix thoroughly.
- Do not use if an emulsion is not formed or if free oil appears on the surface of the emulsion.
- Spray plants when they are actively growing and not when they are, or have recently been wilted, drought stricken, diseased or showing signs of any other physiological abnormality.
- **DICTATE** should not be applied under conditions of high temperature.

For application onto plants that are difficult to wet, such as Cabbage, add a wetting agent such as Wet-All (L 8361) to the spray. All **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on those particular product labels, must be adhered to.

## **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 minimum volume of 30 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 aurally 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.**

**RECOMMENDATIONS**

Use in not less than 30 ℓ of water / ha for aerial spraying and not less than 100 ℓ / ha for low volume tractor spraying.

<b>CROP</b>	<b>DOSAGE RATE</b>	<b>REMARKS</b>
<b>Barley</b> Russian aphid  Green and Brown aphids	750 ml / ha  500 – 750 ml / ha	Aerial or low volume ground application. Will also control Green and Brown aphids.  Aerial or low volume ground application. Use the higher dosage under dry conditions. Best results will be obtained if Barley is growing actively.
<b>Cruciferae</b> Aphids	75 ml / 100 ℓ water	Apply as a full cover spray on cabbage and cauliflower only.
<b>Wheat</b> Russian aphid  Green and Brown aphids	750 ml / ha  500 – 750 ml / ha	<b>Winter rainfall region only</b> and only if the crop is actively growing.  Aerial or low volume ground application. Use the higher dosage on wheat under irrigation and on dryland wheat, after the early piping stage.

**ACKNOWLEDGEMENT OF TRADEMARKS:**

Wet-All (L 8361)

Arysta Lifescience South Africa (Pty) Ltd.

## WAARSKUWINGS

Laat die volgende aantal dae tussen laaste toediening en oes of gebruik as voedsel of voer:

Gars.....	50 days
Koalgewasse.....	14 days
Koring.....	21 days

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

- Hanteer uiters versigtig.
- Giftig wanneer ingesluk of ingeasem of deur die vel geabsorbeer.
- **Giftig vir visse, bye en wild. MOENIE** direk op bye spuit of wanneer bye aktief in gewasse is nie. **MOENIE** spuit in oop bloeisels in nie.
- Moet nie op warmbloedige diere of in huise gebruik nie.
- **Vlambaar** - moet nie stoor of spuit naby oop vlamme nie.
- Berg agter slot en grendel in 'n koel plek by temperature van hoogstens 40 ° C, weg van voedsel, voer, saad en kunsmis.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetreding** - Moenie behandelde gebiede binne 2 dae na behandeling binnetree nie, tensy beskermende klere gedra word.
- Moenie velde binne 4 dae na toediening, langs behandelde area wei nie.
- **In geval van vergiftiging, ontbied 'n geneesheer en toon hierdie etiket aan hom beskikbaar.**
- **Lugtoediening:** Stel alle inwoners in die onmiddellike omgewing van die gebied wat behandel word in kennis, en reik die nodige waarskuwings uit. Moet nie oor spuit, of die spuitnewel toelaat om water of aangrensende gebiede te besoedel nie.
- **DICTATE** is getoets op 'n paar van die belangrikste kommersiële kultivars sonder enige nadelige effekte. Meer vatbare kultivars kan in die toekoms vrygestel word wat getoets sal moet word; vir dit, dien **DICTATE** toe op 'n beperkte toets area voordat kommersiële toedienings gedoen 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. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale 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 plaag teen die betrokke middel sowel as die tyd, metode en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing, of nadelige invloed 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 verskaffer in die geval van enige onsekerheid.

## VOORSORGMATREËLS

- Moet nie dampe of spuitnewel inasem nie.
- Vermoed kontak met vel en oog deur beskermende klere te dra soos rubberhandskoene, stewels en 'n gesigskerm wanneer die konsentraat en verdunde produk hanteer word.
- Was met seep en water na gebruik en toevallige velkontak. Was ook besoedelde klere.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat hande en gesig gewas en skoon klere aangetrek is nie.
- Moenie verstopte spuittoerusting oop maak deur met mond te blaas nie.
- Vermoed spuitnewel wegdrywing op ander gewasse, weiding, riviere, damme en areas wat nie onder behandeling is nie.
- Maak toedieningsapparaat skoon na gebruik. Raak ontslae van uitspoelwater waar dit nie gewasse, weiding, riviere, damme en boorgate kan besoedel nie.
- Spoel die leë houer drie keer op die volgende wyse uit: 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 daarna die leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Voeg die spoelwater by die inhoud van die spuittenk of houer wat gebruik word vir deurdrenking toediening voordat die houer vernietig word. Moet nie die leë houer vir enige ander doel gebruik nie.
- Vernietig die leë houer deur gate in te maak en plat te slaan en doen weg daarmee op 'n veilige manier.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

## SIMPROME VAN VERGIFTIGING

Naarheid, hoofpyn, moegheid, duiseligheid, versteurde visie en papillêre vernouing, braking, abdominale pyn, diarree, sweet en speekselvloeï. Verwardheid, spierstoornis, onduidelike spraak, verlies van refleksie is sommige

van die sentrale senuwee sisteem effekte wat mag lei tot verwarring met akute alkoholisme. Na inaseming van dampe, simptome verskyn binne minute, wat insluit: oog en respiratoriese simptome. Dit kan insluit: merkbare miose, oog pyn, kongestie van oog slymvliese, verminderde visie, siliëre spasma en pyn van die wenkbroue. Met akute sistemiese absorpsie: afskeiding uit die neus, hiperemie van die boonste respiratoriese kanaal, beklemming van die bors en hygende asemhaling.

Ernstige vergiftiging: speekselvloei, onwillekeurige defekasie en urinering, sweet, traanvloei, ereksie, bradikardie en hipotensie.

## NOODHULP

- Verwyder die pasiënt van die bron van vergiftiging na 'n goed geventileerde area en hou hom / haar kalm en gerus.
- **Velkontak:** Verwyder besoedelde klere en spoel die besmette liggaamsdele deeglik met volop seep en koue water. Moet nie die vel vryf nie.
- **Oogkontak:** Spoel besmette oë uit met skoon lopende water vir ten minste 15 - 20 minute terwyl die ooglid/e oop is.
- **Ingesluk:** Indien 'n waterverdunde mengsel ingeneem is, spoel mond deeglik uit met water. **Moet nie braking induseer nie** weens aromatiese oplosmiddel. **Soek onmiddellik mediese hulp.** Pas kunsmatige asemhaling of geslote hartresussitasie toe indien nodig. **Moet nie** mond tot mond asemhaling toepas nie. Moet nooit iets per mond aan 'n bewustelose persoon gee nie.
- **Neem die pasiënt onmiddellik na die naaste geneesheer.**

## NOTA AAN GENEESHEER

Dien atropien so vroeg as moontlik toe in 'n voldoende dosis totdat tekens van atropinisasie (droë, gloeiende vel, tagikardie en pols van hoër as 120 slae per minuut) verskyn. Ten einde gastro-intestinale absorpsie te voorkom in die onbewuste wat hierdie produk ingesluk het, moet maagspoeling uitgevoer word met behulp van koeksoda en geaktiveerde koolstof. In minder ernstige gevalle, begin met 2 mg atropien intraveneus vir volwassenes of 0.05 mg atropien / kg liggaamsmassa vir kinders wat onder 12 jaar oud is, en herhaal administrasie van die dwelm op 15-30 minute intervalle. Morfien en soortgelyke middels is teenaangedui. Vermy aminoglikosiede en suksinielcholien, wat 'n blokkerende effek op die neuromuskulêre aansluitings het. Fenotiasiene, reserpien en theofillien is teenaangedui.

## WEERSTANDSWAARSKUWING

Vir weerstandsbestuur is **DICTATE** 'n groepkode 1B insekdoder. Enige insekpopulasie mag individue bevat wat natuurlike weerstand teen **DICTATE** en ander groepkode 1B insekdoders het. Die weerstandbiedende individue kan uiteindelik die insekpopulasie oorheers indien hierdie insekdoders herhaaldelik gebruik word. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **DICTATE** of enige ander groepkode 1B insekdoder beheer word nie.

### Om weerstand teen insekdoders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode.
- Wissel af met, of gebruik tenkmengsels van, produkte in verskillende insekdoder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekdoder programme.
- Die keuse van produkte wat tydens een seisoen gebruik word, moet die weerstand strategie in ag neem.

Aangesien die voorkoms van weerstand nie voorspel kan word nie, word gebruikers aangeraai om behandelde gewasse noukeurig dop te hou. Indien die behandeling nie doeltreffend is nie as gevolg van die gebruik van **DICTATE** soos aanbeveel, mag 'n weerstandbiedende populasie teenwoordig wees. Indien 'n weerstandbiedende insekpopulasie positief geïdentifiseer word, moet oorweging geskenk word aan die vinnige gebruik van 'n insekdoder, met 'n ander metode van werking waarvoor, daar geen rekord van weerstand teen die betrokke plaag is nie. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

## GEBRUIKSBEPERKINGS

- Moet nie **DICTATE** op enige gewas of situasie wat nie op hierdie etiket verskyn toedien nie.
- Dien **DICTATE** toe slegs met 'n akkurate en veilige toedieningsmetode.
- As **DICTATE** gebruik word in 'n tenkmengsel met ander aanbevole produkte, moet oorweging geskenk word aan die beperkings van die betrokke produkte.
- Moet nie hierdie produk toedien in kombinasie of tenkmengsel met enige ander produk of landboumiddel wat nie spesifiek op hierdie etiket gelys is nie. Meridian

Agrochemical Company (Pty) Ltd aanvaar geen verantwoordelikheid vir enige negatiewe gevolge ervaar as die instruksies op die etiket nie nagekom word nie, tensy 'n Meridian verteenwoordigend vooraf geraadpleeg is.

## **GEBRUIKSAANWYSINGS**

**Gebruik slegs soos aangedui.**

## **VERENIGBAARHEID**

Die verenigbaarheid van **DICTATE** met ander produkte hang af van die formulering van die betrokke produkte asook die kwaliteit van die spuitwater wat gebruik word. As formulering kan van tyd tot tyd verander word, word dit aanbeveel dat 'n fisiese verenigbaarheidstoets voor die tenkmengsel aangemaak gedoen word.

- **DICTATE** is nie verenigbaar met alkaliese verbindings nie.
- Om blaar skade te voorkom, moet **DICTATE** nie met Kaptab gemeng word nie.

Wanneer **DICTATE** in kombinasie met enige ander landboumiddel gebruik word, moet alle **WAARSKUWINGS, VOORSORGMAATREËLS** en **GEBRUIKSAANWYSINGS** soos aangedui op daardie spesifieke produk etikette, nagekom word.

## **TOEDIENINGSMETODES**

### **Grondtoediening:**

- Voeg die benodigde hoeveelheid van die **DICTATE** konsentraat in die water in die tenk en roer deeglik.
- Moet nie gebruik as dit nie 'n emulsie nie gevorm word nie of as vry olie op die oppervlak van die emulsie verskyn.
- Spuit plante wanneer hulle aktief groei en nie wanneer hulle, of onlangs verlep, droogtegeteisterde, siek of tekens van enige ander fisiologiese abnormaliteit tekens toon nie.
- **DICTATE** moet nie onder toestande van hoë temperatuur toegedien word nie. Vir toediening op plante wat moeilik is om te benat, soos Kool, voeg 'n benattingsmiddel soos Wet-All (L 8361) in die spuittenk by. Alle **WAARSKUWINGS, VOORSORGMAATREËLS** en **GEBRUIKSAANWYSINGS VIR GEBRUIK** soos aangedui op daardie spesifieke produk etikette, moet nagekom word.

## **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 teiken area versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus noodsaaklik dat die volgende kriteria nagekom word:

### **Toerusting**

- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking van die teiken sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n spuitstelsel gebruik wat 'n druppelspektrum met die kleinste moontlike relatiewe span sal produseer.
- Al die spuitkoppe en atomiseerders moet in die binneste 60-75% van die vlerkspan geplaas word om die beweging van druppels in die vlerkvorteks te beperk.

### **Toedieningsvereistes**

- 'n Minimum volume van 30 l spuitmengsel per ha word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg of verantwoordelik is vir enige nadelige effekte gehou word 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 teiken area herwin word.
- 'n Druppelspektrum met 'n VMD van 280-300 mikrons word aanbeveel. Verseker dat die produksie van fyn druppels, die wat kleiner as 150 mikron is, tot 'n minimum beperk word.
- Die hoogte van die spuitbalk moet tussen 3 en 4 m bo die teiken gehandhaaf word.
- Moet nie spuit wanneer die vliegtuig aan die bopunt van 'n draai is of tydens 'n duik or terwyl dit uitklim of draai nie.

## **Meteorologiese toestande**



- Die verskil tussen die nat-en droëbollesings, soos bepaal met behulp van 'n swaai-higrometer bepaal, moet nie 8 ° C oorskry nie.
- Moet nie tydens turbulente en onstabiele weerstoestande of gedurende die hitte van die dag wanneer stygende en dalende konveksie windbeweging plaasvind spuit nie.
- Moenie toedien onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en / of hoë lugvog toestande spuit nie, want dit kan veroorsaak tot:
  - i. Verlaagde effektiwiteit aangesien die suspensie en verdamping van klein druppels in die lug (wat lei tot onvoldoende bedekking op die teiken area).
  - ii. Skade aan ander sensitiewe gewasse en / of nie-teiken areas as gevolg van wegdrywing van die spuitwolk weg van die doelgebied af.
- Moet nie spuit wanneer die windspoed 15 km per uur oorskry nie.

#### Algemene

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

#### AANBEVELINGS

Gebruik in nie minder nie as 30 ℓ water / ha vir lugbespuiting en nie minder nie as 100 ℓ / ha vir lae volume trekkerbespuiting nie.

GEWAS	DOSIS	OPMERKINGS
<b>Gars</b> Russiese luis  Groen en Bruin plantluise	750 ml / ha  500 – 750 ml / ha	Lugtoediening of lae volume grondtoediening. Sal ook groen en bruin plantluise beheer.  Lugtoediening of lae volume grondtoediening. Gebruik die hoër dosis onder droë toestande. Beste resultate sal verkry word indien Gars aktief groei.
<b>Koolgewasse</b> Plantluise	75 ml / 100 ℓ water	Dien toe as 'n voldekbespuiting op kool en blomkool alleenlik.
<b>Koring</b> Russiese luis  Groen en Bruin plantluise	750 ml / ha  500 – 750 ml / ha	<b>Slegs Wintereënvalgebied en slegs</b> as die gewas aktief groeiend is.  Lugtoediening of lae volume grondtoediening. Gebruik die hoër dosis op koring onder besproeiing en op droëland koring, na die vroeë pypstadium.

#### ERKENNING VAN HANDELSMERKE:

Wet-All (L 8361)

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