

WARNINGS:**WITHHOLDING PERIOD**

- **MAIZE:** ALLOW 65 DAYS TO ELAPSE BETWEEN PLANTING AND FEEDING.
- **SORGHUM:** ALLOW 55 DAYS TO ELAPSE BETWEEN PLANTING AND FEEDING.
- **WHEAT:** ALLOW 100 DAYS TO ELAPSE BETWEEN PLANTING AND FEEDING.

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the treated crop is intended for the export market, consult the relevant exporting body before application of the product, regarding pre-harvest interval requirements.

- Sufficient soil moisture is necessary for the uptake of the active ingredient during germination.
- Use **IMIDAGUARD 600 FS** only for the treatment of high quality certified seed.
- Do not use **IMIDAGUARD 600 FS** on sweet corn.
- Do not treat seed of inbred parent plants of hybrids, experimental hybrids or cultivars or newly released hybrids or cultivars with **IMIDAGUARD 600 FS**, without first referring to the manufacturer or seed suppliers.
- Planter should be calibrated prior to planting using treated seed to ensure that the required plant population is obtained. Calibration should be checked at regular intervals thereafter.
- Emergence of seedlings may be adversely affected if planting depth exceeds 50 mm. Efficacy on maize may also be adversely affected by planting depth.
- Treat only seed that is to be used for planting purposes.
- Never use treated seed for human consumption or animal feed.
- Handle with care.
- Poisonous when absorbed through the skin or swallowed or inhaled.
- Toxic to wildlife.
- Very toxic to aquatic organisms - may cause long-term adverse effects in the aquatic environment.
- TREATED SEED MAY BE POISONOUS TO SEED-EATING BIRDS. TREATED SEED MUST BE PLANTED PROPERLY AND TOTALLY COVERED WITH SOIL. NO SEED SHOULD BE LEFT IN PLACES WHERE IT CAN BE EATEN BY BIRDS.
- Store in a cool place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- In case of poisoning CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM/HER.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- Wash with soap and cold water immediately after use or accidental skin contact. Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst mixing or applying the product before washing hands and face.
- Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the tank before disposing of the container in the prescribed manner. Take care not to exceed the volume of water required for treatment.
- Destroy empty container by perforation and flattening and never use for any other purpose.



IMIDAGUARD 600 FS

Reg No/ Nr L 10690 Act No/ Wet Nr 36/1947

A systemic insecticidal seed dressing for the control of the pests mentioned on the crops listed.

'n Sistemiese insekdoder saadbehandelingsmiddel vir die beheer van die genoemde plaë op gewasse soos aangedui.

IRAC INSECTICIDE GROUP CODE:

4A

IRAC INSEKDODER GROEPKODEKODE:

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Imidacloprid (chloro-nicotinyl).....600 g/l..... Imidacloprid (chloro-nicotinyl)

Manufacture Date:
Vervaardigingsdatum:

Batch No.:
Lotnommer:

CONTENTS/ INHOUD

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

REGISTRATION HOLDER/REGISTRASIEHOUER:

Farm-Ag International (Pty) Ltd.

Co. Reg. No. 2005/011761/07

61 Marshall Drive, Old Mill Industrial Park, Mount Edgecombe, 4300

Tel: (031) 003 3486



HARMFUL
SKADELIK



- Prevent contamination of food, feedstuffs, drinking water and eating utensils.
- Handle treated seed carefully and clearly mark the bags which contain treated seed "POISONOUS" and never use this bag for any other purpose.

FIRST AID TREATMENT:

Description of first aid measures:

General advice: Move patient out of polluted area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying on side).

Skin contact: Wash off thoroughly with plenty of soap and cold water and if available, with polyethylene glycol 400, and subsequently rinse with water.

If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of cold water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: Call a physician or poison control centre immediately. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Rinse mouth.

Most important symptoms and effects, both acute and delayed:

If large amounts are ingested, the following symptoms may occur: Dizziness, Abdominal pain, Nausea.

Indication of any immediate medical attention and special treatment:

Treatment:

Treat symptomatically.

Monitor the respiratory and cardiac functions.

Gastric lavage should be considered in case of ingestion and in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. There is no specific antidote.

RESISTANCE MANAGEMENT:

For resistance management, **IMIDAGUARD 600 FS** is group code 4A insecticide. Any insect population may contain individuals naturally resistant to **IMIDAGUARD 600 FS** and other group code 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **IMIDAGUARD 600 FS** or any other group code 4A insecticides.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

COMPATIBILITY

- DO NOT USE **IMIDAGUARD 600 FS** on wheat seed previously treated with **Vitavax FS** (Reg. No. L2910) as germination may be affected.
- **IMIDAGUARD 600 FS** can be used on wheat seed previously treated with **Anchor Red** (Reg. No. L7301).
- Slurry fungicide seed treatments should be applied before the **IMIDAGUARD 600 FS** seed treatment.

- Dry fungicide seed treatments should be applied after the **IMIDAGUARD 600 FS** seed treatment.

MIXING INSTRUCTIONS:

Mix the required volume of **IMIDAGUARD 600 FS** thoroughly with the required volume of water before treating the seed.

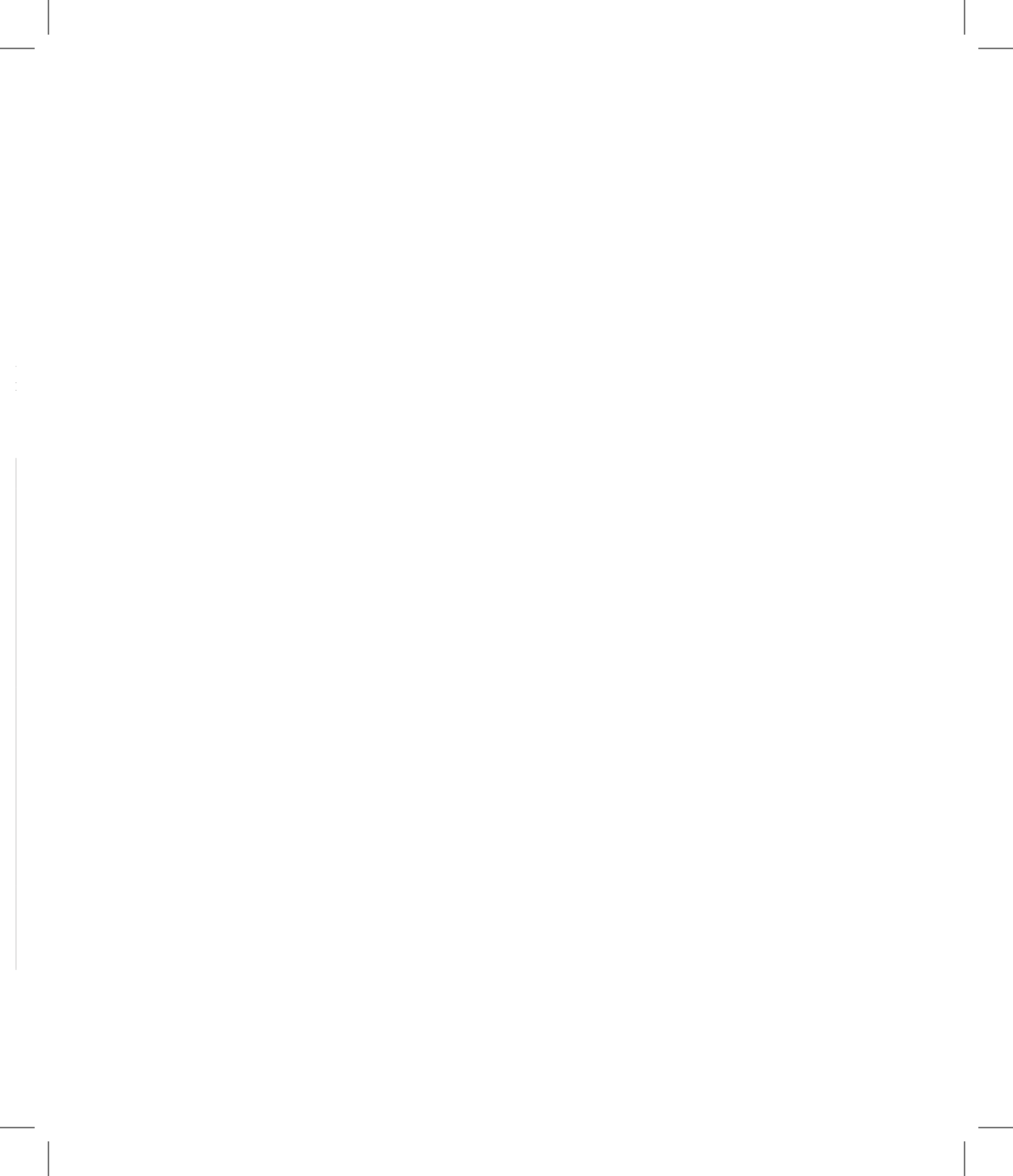
Large quantities of seed are conveniently treated in automatic seeddressing machines. The machines should be checked at regular intervals to ensure that the correct quantity of **IMIDAGUARD 600 FS** is applied.

Small quantities of seed may be treated in a manually operated drum suspended on an offset axle by two pivots. The drum should not be filled more than two thirds with seed. After adding the required quantity of **IMIDAGUARD 600 FS** mixed with the required volume of water, close the lid and rotate the drum slowly for 3-5 minutes to ensure that each seed is properly covered with the seeddressing.

Maize seed may be treated with **IMIDAGUARD 600 FS** immediately before planting, alternately it can be treated prior to planting season and stored under cool dry conditions for up to a season without germination and insecticide activity being affected. During storage the maize seed will be protected from damage by the following insects viz. tropical warehouse moth (*Ephestia cautella*), lesser grain borer (*Rhizopertha dominica*), rice weevil (*Sitophilus oryzae*) and confused flour beetle (*Tribolium confusum*) for 12 months when maize seed is treated at a rate not lower than 290 ml **IMIDAGUARD 600 FS** per 100 kg seed.

APPLICATION & USE INSTRUCTIONS:

CROP	Dosage IMIDAGUARD 600 FS	Comments
Maize <i>Astylus</i> larvae, Black maize beetle (<i>Heteronychus arator</i>), Ground weevils (<i>Prostrophus</i> spp.), False wire worms (<i>Tenebrionidae</i> spp.) and Rootworms (<i>Buphonella</i> spp.). Leafhopper (<i>Cicadulina mbila</i> , the vector of streak disease)	1.0 ml + 0,875 ml water per 1000 kernels (0.6 mg a.i. per 1000 kernel) 2.0 ml undiluted per 1000 kernels (1.2 mg a.i. per 1000 kernel)	Notwithstanding the use of this product, some soil insect damage could still be expected. Under conditions of very high infestation pressure 20 % or more of the maize crop may be damaged or destroyed, in spite of having been treated. More insect damage can be expected in soils with high levels of plant material associated with minimum tillage practices.
Sorghum <i>Astylus</i> larvae, Black maize beetle (<i>Heteronychus arator</i>), Dusty surface beetles (<i>Gonoccephalum</i> spp.), False wire worms (<i>Tenebrionidae</i> spp.), and Ground weevils (<i>Prostrophus</i> spp)	292 ml + 1.708 l water/ 100 kg seed	Notwithstanding the use of this product, some soil insect damage could be expected. Under conditions of very high infestation pressure 20 % or more of the crop may be damaged or destroyed, in spite of having been treated. More insect damage can be expected in soils with high levels of plant material associated with minimum tillage practices.
Wheat Russian aphid (<i>Diuraphis noxia</i>)	233 ml + 1.767 l water / 100 kg seed	Control for 8 – 10 weeks can be expected, provided that sufficient soil moisture is available for the uptake of the active ingredient.



WAARSKUWINGS:

ONTHOUDINGS PERIODE

- **MIELIES:** LAAT 65 DAE TOE VANAF PLANTTYD EN TOT VOER.
- **SORGHUM:** LAAT 55 DAE TOE VANAF PLANTTYD TOT VOER.
- **KORING:** LAAT 100 DAE TOE VANAF PLANTTYD TOT VOER.

LET WEL: Die aanbevole onthoudingsperiode tussen laaste toediening en oes voldoen aan die vereistes vir plaaslike residuvlakke maar mag dalk nie voldoen aan die vereistes vir uitvoer nie. Indien die behandelde gewas bestem is vir die uitvoermark, skakel met die betrokke uitvoerliggaam voor toediening van die produk, rakende onthoudingsperiodes.

- Voldoende grondvog is nodig vir die opname van die aktiewe bestanddeel gedurende ontkieming.
- Gebruik **IMIDAGUARD 600 FS** slegs vir behandeling van hoë gehalte gesertifiseerde saad.
- Moet nie **IMIDAGUARD 600 FS** op suikermielies gebruik nie.
- Moet nie **IMIDAGUARD 600 FS** op saad van ingeteelde ouerplante van basters, eksperimentele basters of cultivars of nuut vrygestelde basters of cultivars gebruik, voordat die vervaardiger of saad voorsiener geraadpleeg is nie.
- Die planter moet, voor plant 'n aanvang neem, gekalibreer word met behandelde saad om te verseker dat die benodigde plantpopulasie verkry sal word. Die kalibrasie moet daarna met gereelde tussenposes nagegaan word.
- Die opkoms van saailinge mag nadelig beïnvloed word indien saad dieper as 50 mm geplant word. Effektiwiteit mag ook nadelig deur plantdiepte beïnvloed word op mielies.
- Behandel slegs saad wat geplant gaan word.
- Moet nooit behandelde saad as voedsel of voer gebruik nie.
- Hanteer uiters versigtig.
- Giftig wanneer ingeneem, ingeasem of deur die vel geabsorbeer.
- Giftig vir wild.
- Baie giftig vir waterorganismes - lang termyn negatiewe gevolge in die akwatiese omgewing kan veroorsaak word.
- **BEHANDELDE SAAD KAN GIFTIG WEES VIR SAADVRETENDE VOËLS. BEHANDELDE SAAD MOET BEHOORLIK GEPLANT WORD EN HEELTEMAL MET GROND BEDEK WORD. GEEN SAAD MOET OP PLEKKE GELAAT WORD WAAR DIT DEUR VOËLS GEVREET KAN WORD NIE.**
- Bewaar in 'n koel plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- In geval van vergiftiging **ONTBIED 'N GENEESHEER EN TOON ETIKET AAN HOM/HAAR.**

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande; verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasie- houer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie 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:

- Was dadelik met seep en koue water na hantering of toevallige velkontak. Was besoedelde klere daaglik.
- Moet nie eet, drink of rook tydens vermenging, toediening van die produk, of voordat hande en gesig gewas
- is nie.
- Spoel leë houer drie keer uit met 'n volume water gelyk aan ten minste een tiende van die van die houer en voeg die uitspoelwater by die inhoud van die spuitkenk voordat van die houer op die voorgeskrewe metode ontslae geraak word. Dra sorg dat die volume water wat

benodig word vir behandeling nie oorskry word nie.

- Vernietig leë houer deur gate daarin te maak en plat te slaan. Moet vir geen doel weer gebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Hanteer behandelde saad versigtig. Merk sakke wat behandelde saad bevat duidelik "GIFTIG" en moet hulle nooit vir enige ander doel gebruik nie.

NOODHULPBEHANDELING:

Beskrywing van noodhulpmaatreëls:

Algemene advies: Beweeg uit gevaarsonne uit. Verwyder besoedelde klere onmiddellik en raak op 'n veilige wyse daarvan ontslae. Plaas en vervoer slagoffer in 'n stabiele posisie (lê sywaarts).

Velkontak: Was deeglik af met baie seep en koue water en indien beskikbaar met poliëteleen glikol 400, en spoel dan met water af. Indien simptome voortduur, ontbied 'n geneesheer.

Oogkontak: Spoel onmiddellik met baie water, vir ten minste 15 minute, ook onder die ooglede. Verwyder kontaklense indien teenwoordig, na die eerste 5 minute, gaan dan voort om die oë te spoel. Kry mediese hulp indien irritasie ontwikkel en voortduur.

Ingesluk: Bel 'n dokter of gifbeheersentrum onmiddellik. Veroorsaak braking slegs indien: 1. pasiënt ten volle by sy/haar bewus is, 2. mediese hulp nie gereedelik beskikbaar is nie, 3. 'n aansienlike hoeveelheid (meer as 'n mondvol) ingesluk is en 4. tydsverloop sedert die inname minder as 1 uur is. (Braaksel moet nie in die asemhalingskanaal beland nie.) Spoel mond.

Belangrikste simptome en gevolge, beide akute en vertraagde:

Indien groot hoeveelhede ingeneem is, kan die volgende simptome voorkom: Duiseligheid, abdominale pyn, naarheid.

Aanduiding van enige onmiddellike mediese aandag en spesiale behandeling:

Behandeling:

Behandel simptome.

Monitor die respiratoriese en kardiaale funksies.

Maagspoeling moet oorweeg word in die geval van inname en in gevalle van beduidende innames, slegs binne die eerste 2 ure. Die toediening van geaktiveerde koolstof en natrium sulfaat is egter altyd raadsaam. Daar is geen spesifieke teenmiddel.

WEERSTANDBESTUUR:

IMIDAGUARD 600 FS is 'n groepkode 4A insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand teen **IMIDAGUARD 600 FS** of enige ander groepkode 4A insekdoder het. Indien hierdie insekdoders herhaaldelik aangewend word kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **IMIDAGUARD 600 FS** of enige ander groepkode 4A insekdoder beheer word nie.

Om weerstand teen insekdoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van insekdoders in dieselfde insekdoder groepkode. Wissel af met produkte in verskillende insekdoder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekbeheer programme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANBEVEEL.

VERENIGBAARHEID:

- **MOET NIE IMIDAGUARD 600 FS** op koringsaad wat reeds met **Vitavax FS** (Reg. Nr. L2910) behandel is gebruik nie aangesien opkoms beïnvloed mag word.
- **IMIDAGUARD 600 FS** kan gebruik word op koringsaad wat reeds met **Anchor Red** (Reg. Nr. L7301) behandel is.

- Flodder swamdoder saadbehandelings moet voor die **IMIDAGUARD 600 FS** behandeling toegedien word.
- Droë swamdoder saadbehandelings moet na die **IMIDAGUARD 600 FS** behandeling toegedien word.

MENGINSTRUKSIES:

Meng die benodigde volume **IMIDAGUARD 600 FS** deeglik met die benodigde volume water voordat die saad daarmee behandel word.

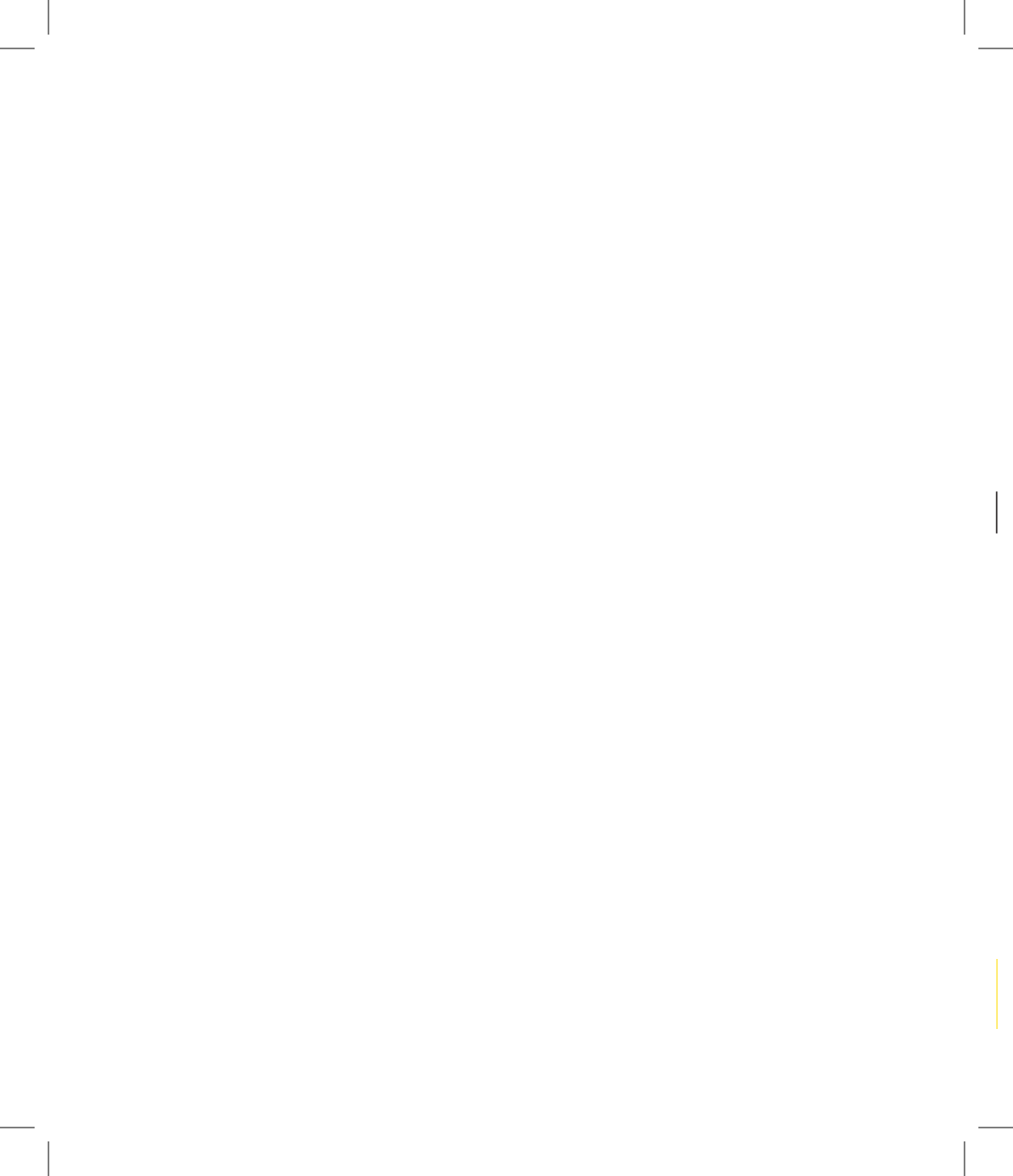
Groot hoeveelhede saad kan doeltreffend in outomatiese saadbehandelingsmasjiene behandel word. Die masjien moet gereeld nagegaan word om te verseker dat die regte hoeveelheid **IMIDAGUARD 600 FS** toegedien word.

Klein hoeveelhede saad kan in 'n mengdrom behandel word wat kontra gemonteerd is met die as wat gestut word aan beide kante. Moet nie die drom meer as twee-derdes vol saad maak nie. Nadat die benodigde hoeveelheid **IMIDAGUARD 600 FS** met die vereiste volume water gemeng en bygevoeg is, maak die deksel toe en draai die drom stadig vir 3-5 minute om te verseker dat elke saadjie behoorlik met die saadbehandelingsmiddel bedek word.

Mieliesaad kan onmiddellik voor plant met **IMIDAGUARD 600 FS** behandel word of vroeër voor plantyd **IMIDAGUARD 600 FS** behandelde saad kan vir 'n seisoen lank opgeberg word onder koel droë toestande sonder dat ontkieming en insekdodende aktiwiteit benadeel sal word. Bêre in koel, droë toestande tot 'n seisoen sonder dat die ontkieming en insekdoder beïnvloed word. Tydens opberging sal die mieliesaad beskerm word teen beskadiging deur tropiese graanskuurmot (*Ephestia cautella*), kleingraanboorder (*Rhizopertha dominica*), ryskalander (*Sitophilis oryzae*) en malkopmeelkewer (*Tribolium confusum*) vir 12 maande indien mieliesaad teen 'n dosis van nie laer as 290 ml **IMIDAGUARD 600 FS** per 100 kg saad behandel is.

TOEDIENINGS AANWYSINGS:

GEWAS	TOEDIENINGSHOEVEELHEID IMIDAGUARD 600 FS	AANWYSINGS
Mielies <i>Astylus</i> larwes, Swartmieliekewer (<i>Heteronychus arator</i>), Grondkalanders (<i>Protostrophus</i> spp.), Valsdraadwurms (<i>Tenebrionidae</i> spp.) en wortelwurms (<i>Buphonella</i> spp.) Blaarspringer (<i>Cicadulina mbila</i> , die vektor van streepsiekte)	1.0 ml + 0,875 ml per 1000 sade (0,6 mg aktiewe bestanddeel per 1000 sade) 2.0 ml onverduin per 1000 sade (1,2 mg aktiewe bestanddeel per 1000 sade)	Nietenstaande die gebruik van hierdie middel, kan grondinsek- skade nog steeds verwag word. Onder toestande van hoë infestasie-druk kan selfs 20 % of meer van die mielies ten spyte van behandeling, beskadig of vernietig word. Meer inseksskade kan verwag word in gronde met hoe vlakke van plantmateriaal geassosieer met minimum bewerkings prak- tyke.
Sorghum <i>Astylus</i> larwes, Swartmieliekewer (<i>Heteronychus arator</i>) Vaalgrondkewers (<i>Gonocephalum</i> spp.), Valsdraadwurms (<i>Tenebrionidae</i> spp.), en Grondkalanders (<i>Protostrophus</i> spp.)	292 ml + 1.708 l water/ 100 kg saad	Nietenstaande die gebruik van hierdie middel, kan grondinsek- skade nog steeds verwag word. Onder toestande van baie hoë infestasiedruk kan selfs 20 % of meer van die gewas beskadig of vernietig word, ten spyte van behandeling. Meer inseksskade kan verwag word in gronde met hoe vlakke van plantmateriaal geassosieer met minimum bewerkings praktyke
Koring Russian luis (<i>Diuraphis noxia</i>)	233 ml + 1.767 l water / 100 kg saad	Beheer van 8 – 10 weke kan verwag word, indien voldoende grondvog beskikbaar is vir die opname van aktiewe bestand- deel.





IMIDAGUARD 600 FS

Reg No/ Nr L 10690 Act No/ Wet Nr 36/1947

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Manufacture Date:

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