



SOMBRERO[®] 700 WS

Reg. No./Nr. L 8444 Act No./Wet Nr. 36/1947
N-AR 1136

A water dispersable powder insecticidal seeddressing with systemic action for the control of various pests on crops as listed	'n Water disperseerbare poeier insekdoder saadbehandelingsmiddel met sistemiese werking vir die beheer van verskeie insekte op gewasse soos aangedui.
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IRAC INSECTICIDE GROUP CODE	4A	IRAC INSEKDODER GROEPKODE
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Imidacloprid (chloronicotiny) 700 g/kg Imidaklopried (chloronikotiniel)

NET MASS/NETTO MASSA

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REGISTRATION HOLDER / REGISTRASIEHOUER

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Batch number Lotnommer

Date of manufacture Vervaardigingsdatum



Class II

Yellow band

SOMBRERO[®] is the registered trademark of Adama, Israel
SOMBRERO[®] is die geregistreerde handelsmerk van Adama, Israel

WARNINGS

The following number of days should elapse between application and harvest or feeding:-

Maize	65 days
Barley	84 days
Oats.....	84 days
Wheat.....	100 days
Sorghum	55 days
Sunflower	63 days
Natural grazing.....	3 days

Note: When **SOMBRERO® 700 WS** is used in accordance with the label recommendations, the local MRLs will not be exceeded. Makhteshim-Agan SA (Pty) Ltd, however, cannot be held responsible for export crops that exceed the tolerances of other countries. Please consult the relevant authorities in this regard.

- Handle with care.
- Poisonous when absorbed through the skin or swallowed or inhaled. Wear gloves when preparing seed treatment mixture.
- Toxic to fish and wildlife.
- 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.
- Treated seed may be poisonous to seed-eating birds, therefore it should be planted properly i.e. totally covered with soil and not left in places where it can be eaten by birds.
- Treated seed should only be used for planting and never for consumption or animal feed.
- To prevent the dispersion of dust from treated seeds a polymer sticker should be added.
- Planter should be calibrated prior to planting with treated seed and checked at regular intervals.
- Only high quality certified seed should be treated. Never treat seed of inbred hybrid plants, experimental hybrids or newly released hybrids without first referring to the manufacturer or seed supplier.
- Never use **SOMBRERO® 700 WS** on sweetcorn.
- Efficacy and the emergence of seedlings may be adversely affected by a planting depth of more than 50mm.
- Sufficient soil moisture is necessary during germination for the uptake of the active ingredient.

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, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest to 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

- Do not inhale dust.
- Wash with soap and water after use or accidental skin contact.
- Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands and face
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Handle treated seed with care. Clearly mark the bags which contain treated seed as “POISONOUS” and never use this bag for any other purpose.
- Prevent the contamination of food, feedstuffs, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING

May be irritating to mucous membranes, eyes, and skin. Inhalation may cause coughing, shortness of breath, bronchospasm, chemical pneumonitis, and lung oedema. Ingestion may cause nausea, vomiting, stomach ache, and diarrhoea.

FIRST AID TREATMENT

Inhalation: Remove victim to fresh air and keep warm and at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion: Do not induce vomiting. Wash mouth out with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin contact: Remove contaminated clothing and wash with soap and water, followed by a warm water rinse. If necessary get medical attention.

Eye contact: In case of eye contact, immediately rinse with clean water for 10 – 15 minutes. If necessary get medical attention.

NOTE TO PHYSICIAN

There is no specific antidote. Treat symptomatically and give supportive therapy. If ingested, perform gastric lavage and administer activated charcoal.

RESISTANCE WARNING

For resistance management, **SOMBRERO® 700 WS** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **SOMBRERO® 700 WS** 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 **SOMBRERO® 700 WS** or any other group code 4A insecticide.

To delay insecticide resistance:

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

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

DIRECTIONS FOR USE: Use only as indicated

Compatibility

- Maize seed treated with captab may also be treated with **SOMBRERO® 700 WS**.
- Do not use **SOMBRERO® 700 WS** on barley and wheat seed treated with **VITAVAX FS** (Reg. No. L2910) as germination may be affected. However, **SOMBRERO® 700 WS** can be used on barley and wheat seed treated with **VITAVAX PLUS** (Reg. No. L3695).
- Slurry fungicide seed treatments should be applied before the **SOMBRERO® 700 WS** seed treatment, whereas dry fungicide seed treatments should always be applied after the **SOMBRERO® 700 WS** seed treatment.

Mixing instructions

Mix the required amount of **SOMBRERO® 700 WS** with a small volume of water to form a smooth cream before adding the balance of the water. Mix thoroughly before treating the seed.

Automatic seed dressing machines can be used for the convenient treatment of large quantities of seed, however, they should be checked at intervals to ensure the correct dosage of **SOMBRERO® 700 WS**.

For small quantities of seed, a manually operated drum may be used. The drum is suspended on an offset axle by two pivots and is filled with seed to not more than two thirds the volume of the drum. Once the required quantity of **SOMBRERO® 700 WS** mixed with water is added, close the lid and rotate the drum slowly for 3–5 minutes to ensure that each seed is properly coated with the seed dressing.

Maize and wheat seed can be treated directly before planting or they may be treated one season prior to planting without germination or insecticidal activity being affected, provided they are stored under dry, cool conditions. The stored seed will be protected from the following insects for 12 months when treated at a rate of not less than 250 g **SOMBRERO® 700 WS** per 100 kg seed for maize and 200 g **SOMBRERO® 700 WS** per 100 kg seed for wheat:-

Tropical warehouse moth	<i>Ephestia cautella</i>
Lesser grain borer	<i>Rhizopertha dominica</i>
Rice weevil	<i>Sitophilus oryzae</i>
Confused flour beetle	<i>Tribolium confusum</i>

APPLICATION RATES

CROP/PEST	DOSAGE	REMARKS
Maize Astylus larvae (<i>Astylus atromaculatus</i>) Black Maize Beetle (<i>Heteronychus arator</i>) Rootworms (<i>Buphonella nigroviolacea metalica</i>) False Wireworms (<i>Tenebrionidae</i> spp.) Ground weevils (<i>Protostrophus</i> spp.) Leafhopper (<i>Cicadulina mbila</i> , the vector of streak disease)	100 g/2 ℓ water/100 kg seed 250 g/2 ℓ water/100 kg seed 500 g/2 ℓ water/100 kg seed	Please note that some black maize beetle and ground weevil damage may still be expected. Under conditions of high infestation, more than 20 % of the crop may still be destroyed despite being treated.
Barley Russian aphid (<i>Diuraphis noxia</i>)	200 g/2 ℓ water/100 kg seed	8–10 weeks of control may be expected, provided that the soil is sufficiently moist so as to allow uptake of the active ingredient.
Oats Aphid spp.	200 g/2 ℓ water/100 kg seed	8–10 weeks of control may be expected, provided that the soil is sufficiently moist so as to allow uptake of the active ingredient.
Wheat Russian aphid (<i>Diuraphis noxia</i>)	200 g/2 ℓ water/100 kg seed	8–10 weeks of control may be expected, provided that the soil is sufficiently moist so as to allow uptake of the active ingredient.
Sorghum False Wireworms (<i>Tenebrionidae</i> spp.) Ground weevils (<i>Protostrophus</i> spp.) Astylus larvae (<i>Astylus atromaculatus</i>) Black Maize Beetle (<i>Heteronychus arator</i>) Dusty surface beetles (<i>Gonocephalum</i> spp.)	250 g/2 ℓ water/100 kg seed	Please note that some black maize beetle and ground weevil damage may still be expected. Under conditions of high infestation, more than 20 % of the crop may still be destroyed despite being treated.

WAARSKUWINGS

Die volgende aantal dae moet verloop tussen toediening en oes of voer:-

Mielies	65 dae
Gars	84 dae
Hawer	84 dae
Koring.....	100 dae
Sorghum	55 dae
Sonneblom.....	63 dae
Natuurlike weiveld	3 dae

Nota: Wanneer **SOMBRERO 700 WS** gebruik word volgens die onderstaande aanbevelings, sal die plaaslike MRLs nie oorskry word nie. Makhteshim-Agan SA (Pty) Ltd kan egter nie verantwoordelik gehou word vir gewasse wat uitgevoer word en waar die invoer toleransies van daardie lande oorskry word nie. Raadpleeg die plaaslike uitvoerbemarkingsliggame in verband hiermee.

- Hanteer versigtig.
- Giftig indien dit deur die vel geabsorbeer, ingesluk of ingeasem word. Dra handskoene wanneer die saadbehandeling mengsel voorberei word.
- Giftig vir vis en wildslewe.
- Berg in 'n koel plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- In geval van vergiftiging, skakel 'n geneesheer en toon hierdie etiket aan hom/haar.
- Behandelde saad kan giftig vir saadvretende voëls wees. Dit moet dus totaal met grond bedek word sodat dit nie deur voëls geëet kan word nie.
- Behandelde saad moet slegs vir plantdoeleindes gebruik word en nooit vir menslike gebruik of voer gebruik word nie.
- Om die verspreiding van stof van behandelde saad te voorkom moet 'n polimeerклеefmiddels bygevoeg word.
- Die planter moet met behandelde saad gekalibreer word en met gereelde tussenposes nagegaan word.
- Alleenlik hoë kwaliteit gesertifiseerde saad moet behandel word. Moet nooit saad van ingeteelde baster plante, nuut geteelde of nuut vrygestelde variëteite behandel nie voordat die vervaardiger of die saadverskaffer eers geraadpleeg is nie.
- **SOMBRERO 700 WS** moet nooit op suikermielies gebruik word nie.
- Behandelde saad moet nie dieper as 50 mm geplant word nie aangesien dit ontkieming en plantestand nadelig kan beïnvloed.
- Genoegsame grondvog is nodig tydens ontkieming vir die opname van die aktiewe bestanddeel.

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, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die insekte teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek 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 geval van enige onsekerheid.

VOORSORGMAATREËLS

- Moet nie die stof inasem nie.
- Was met seep en water na gebruik of toevallige velkontak.
- Was besoedelde klere daaglik.
- Moenie eet, drink of rook tydens vermenging, toediening of voordat hande en gesig gewas is nie.
- Vernietig die leë houers deur gate daarin te maak en plat te druk.
- Hanteer behandelde saad versigtig. Merk die sakke met behandelde saad as “GIFTIG” en moet die sak nooit weer vir enige ander doel gebruik nie.
- Verhoed die besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPTOME VAN MENSLIKE VERGIFTIGING

Mag irriterend vir slymvliese, oë, en vel wees. Inaseming mag hoesbuie, kortasem, bronchiospasma, chroniese pneumonites en water in longe veroorsaak. Inname kan naarheid, braking, maagpyn en diarree veroorsaak.

NOODHULPBEHANDELING

Inaseming: Verwyder persoon na vars lug en hou hom warm en rustig. Indien asemhaling moeilik is, gee suurstof. Indien asemhaling ophou, pas kunsmatige asemhaling toe. Kry onmiddellik mediese behandeling.

Inname: Moet nie braking veroorsaak nie. Was mond met 'n groot hoeveelheid water uit. Moet nooit enige iets per mond aan 'n bewustelose persoon gee nie. Kry onmiddellik mediese behandeling.

Velkontak: Verwyder besoedelde klere en was met koue water en seep en spoel daarna met warm water af. Kry mediese behandeling indien nodig.

Oogkontak: Indien in oë, spoel dadelik met skoon lopende water vir 10–15 minute uit. Kry mediese behandeling indien nodig.

NOTA AAN GENEESHEER

Daar is geen spesifieke teenmiddel nie. Behandel simptome en gee ondersteunende terapie. Indien ingesluk, gee 'n maagspoeling en geaktiveerde koolstof.

WEERSTANDSWAARSKUWING

SOMBRERO 700 WS is 'n groepkode 4A insekdoder. Enige populasie van 'n spesifieke insek mag individueel insluit wat 'n natuurlike weerstand teen **SOMBRERO 700 WS** 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 **SOMBRERO 700 WS** of enige ander groepkode 4A insekdoder beheer word nie.

Om weerstand teen insekdoders te vertraag:

- Vermoed die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende insekdodergrøepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekdoderprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui

Verenigbaarheid

- Mieliesaad wat met kaptab behandel is, kan ook met **SOMBRERO 700 WS** behandel word.
- Moet nie **SOMBRERO 700 WS** wat op gars- en koringsaad wat met **VITAVAX FS** (Reg. No. L2910) behandel is, gebruik nie omdat dit ontkieming van saad mag beïnvloed. **SOMBRERO 700 WS** kan egter op saad wat met **VITAVAX PLUS** (Reg. No. L3695) behandel is, gebruik word.
- Flodder swamdodersaadbehandelings moet toegedien word voordat **SOMBRERO 700 WS** saadbehandeling toegedien word. Droë swamdodersaadbehandelings moet altyd na 'n **SOMBRERO 700 WS** saadbehandeling gedoen word.

Menginstruksies

Meng die benodigde hoeveelheid **SOMBRERO 700 WS** met 'n klein volume water om 'n room te vorm voordat die res van die water bygevoeg word. Roer deeglik voordat saad behandel word.

Outomatiese saadbehandelingsmasjiene kan gebruik word indien groot volume saad behandel moet word. Dit word aanbeveel dat die toediening gereeld nagegaan word om te verseker dat die regte toedieningshoeveelheid aangewend word.

Vir die behandeling van klein hoeveelhede saad kan van 'n drom wat deur die hand gedraai word, gebruik gemaak word. Die drom word op 'n as gemonteer sodat dit in die rondte kan draai. Die drom word met nie meer as twee derdes van die volume met saad gevul. Die voorafvermengde **SOMBRERO 700 WS** mengsel in water word by die saad gevoeg, die deksel word toegemaak en die drom word stadig tussen 3 en 5 minutes gedraai om 'n eweredige bedekking van die saad met die mengsel te verkry.

Mieliesaad en koringsaad kan behandel word direk voordat dit geplant word, of selfs 'n seisoen voordat dit geplant gaan word mits dit onder koel, droë toestande geberg word. Die gebergde saad sal vir 12 maande teen die volgende insekte beskerm word indien dit teen minstens 250 g **SOMBRERO 700 WS** per 100 kg saad vir mielies en 200 g **SOMBRERO 700 WS** per 100 kg saad vir koring aangewend word:-

Tropiese graanskuurmot	<i>Ephestia cautella</i>
Kleingraanboorder	<i>Rhizopertha dominica</i>
Ryskalander	<i>Sitophilis oryzae</i>
Malkopmeelkewer	<i>Tribolium confusum</i>

TOEDIENINGSHOEVEELHEDE

GEWAS/PLAAG	DOSIS	OPMERKINGS
Mielies Astylus larwe (<i>Astylus atromaculatus</i>) Swartmieliekewer (<i>Heteronychus arator</i>) Wortelwurms (<i>Buphonella nigroviolacea metalica</i>) Valsdraadwurms (<i>Tenebrionidae</i> spp.) Grondkalanders (<i>Protostrophus</i> spp.) Bladspringers (<i>Cicadulina mbila</i> , die vektor vir streepsiekte)	100 g/2 ℓ water/100 kg saad 250 g/2 ℓ water/100 kg saad 500 g/2 ℓ water/100 kg saad	Let asseblief daarop dat swart mieliekewer en grondkalander skade nog steeds kan voorkom. Onder hoë infestasië druk kan tot 20 % van die gewas nog steeds vernietig word ten spyte daarvan dat dit behandel is.
Gars Russiese koringluis (<i>Diuraphis noxia</i>)	200 g/2 ℓ water/100 kg saad	8–10 weke beheer kan verwag word indien grondvog sodanig is dat die middel opgeneem kan word.
Hawer Plantluis spp.	200 g /2 ℓ water/100 kg saad	8–10 weke beheer kan verwag word indien grondvog sodanig is dat die middel opgeneem kan word.
Koring Russiese koringluis (<i>Diuraphis noxia</i>)	200 g/2 ℓ water/100 kg saad	8–10 weke beheer kan verwag word indien grondvog sodanig is dat die middel opgeneem kan word.
Sorghum Valsdraadwurms (<i>Tenebrionidae</i> spp.) Grondkalanders (<i>Protostrophus</i> spp.) Astylus larwe (<i>Astylus atromaculatus</i>) Swartmieliekewer (<i>Heteronychus arator</i>) Doodhouertjies (<i>Gonocephalum</i> spp.)	250 g/2 ℓ water/100 kg saad	Let asseblief daarop dat swart mieliekewer en grondkalander skade nog steeds kan voorkom. Onder hoë infestasië druk kan tot 20 % van die gewas nog steeds vernietig word ten spyte daarvan dat dit behandel is.

GEWAS/PLAAG	DOSIS	OPMERKINGS
Sonneblom Grondkalanders (<i>Protostrophus</i> spp.)	500 g/4-5 ℓ water/100 kg saad	Op sekere grontipes en onder sekere toestande (bv. sanderige gronde, vlak saadplasing, ens.) kan ontkieming vinnig plaasvind sodat die behandelde saadhuid uit die grond gelig word voordat opname kan plaasvind. Die sal die doeltreffendheid van die behandeling nadelig beïnvloed.
Natuurlike weiding Grasdraertermiete (<i>Hodotermes mossambicus</i>)	14 g/5 ℓ water/10 kg van lokaasstukkies 1g lokaas/vierkante meter	Maak 'n lokaas van geskikte droë hooi (bv. lusern, koring, strooi of smaaklike grassoorte). Sny die hooi in stukkes van ongeveer 2cm en benat deeglik met die mengsel. Strooi die behandelde stukkes op 'n seil of op 'n sementoppervlak om droog te word. Dien toe sodra termiete aktief is. Behandel die besmette gebied asook 'n strook van minstens 2 m om die gebied. Herhaal toediening indien ongunstige toestande (reën, sterk wind, ens.) voorkom binne 10 dae na behandeling. Inspekteer behandelde gebiede op 'n gereelde grondslag om te bepaal of behandeling herhaal moet word.