


SOMBRERO® 700 WS

Reg. no. L8444 Act/Wet 36 of/van 1947

**READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

GROUP	4A	INSECTICIDE
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A water dispersible 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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 <p>WARNING</p>	<p>Hazard statements Harmful if swallowed. Causes skin irritation. Harmful if inhaled. Very toxic to aquatic life with long-lasting effects.</p> <p>Precautionary statements Wear protective gloves, protective clothing, eye protection and respiratory protection. Avoid breathing dust/fumes/mist/vapours/spray.</p>
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Imidachloprid (chloronicotiny)..... 700 g/kgImidachloprid (chloronikotiniel)

NET MASS/NETTO MASSA

..... kg

REGISTRATION HOLDER/REGISTRASIEHOUER

ADAMA South Africa (Pty) Ltd;
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IN CASE OF POISONING, CALL THE FOLLOWING NUMBERS:

Griffon Poison Information Centre:
+27 82 446 8946 or
Tygerberg Poison Information Centre:
+27 861 555 777

EMERGENCY NUMBER:

SPILL TECH: +27 86 100 6366 or +27 83 253 6618

UN no.: 3077

Batch number
Date of Manufacture
Expiry date

Lotnommer
Datum van Vervaardiging
Vervaldatum



GHS information

WARNINGS

- Harmful if swallowed.
- Causes skin irritation.
- Harmful if inhaled.
- Very toxic to aquatic life with long-lasting effects.

Withholding periods (Minimum number of days between last application and harvest.):

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. ADAMA South Africa (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 wildlife.
- Store in a cool place away from food and feedstuffs.
- 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

- If medical advice is needed, have product container or label at hand.
 - Keep out of reach of children.
 - Obtain, read, and follow all safety instructions before use.
 - Avoid breathing dust/fumes/mist/vapours/spray.
 - Wash hands, face, and any exposed skin thoroughly after handling.
 - Do not eat, drink, or smoke when using this product.
 - Use only outdoors or in a well-ventilated area.
 - Avoid release to the environment.
 - Wear protective gloves, protective clothing, eye protection and respiratory protection.
 - Collect spillage.
 - IF SWALLOWED: Get medical help. Rinse mouth.
 - IF ON SKIN: Wash with plenty of water.
 - If skin irritation or occurs, get medical help.
 - Take off contaminated clothing and wash it before re-use.
 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
 - Dispose of contents/container to a licensed waste facility and in accordance with local and national regulatory requirements.
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- 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.

RELEVANT SUBSTANCES

Chemical name	w/w %	CAS no.
Imidacloprid	30 – 60%	138261-41-3
Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	<10%	1258274-08-6
Alkyl-naphthalenesulfonic acid, polymer with formaldehyde, sodium	<10%	68425-94-5
Sodium dioctyl sulphosuccinate	<10%	577-11-7

FIRST AID

Provide this label and SDS to medical personnel for treatment. Emergency personnel should wear protective clothing appropriate to the type and degree of contamination.

Immediately remove contaminated clothing and remove the affected person from the contamination area. Keep the person warm, calm, and covered up. First Aid personnel should pay attention to their own safety.

Eye contact: Rinse/flush the eyes gently with water from the eye wash fountain for several minutes (at least 15 minutes), while holding the eyelids apart. Check for and remove contact lenses if easy to do so. Continue rinsing. Obtain medical attention if irritation occurs and persists.

Skin contact: Remove all contaminated clothing and shoes. Rinse the skin with plenty of water for 15 to 20 minutes under the safety shower. Contact a poison control centre or medical practitioner for advice if irritation occurs and persists. Wash contaminated clothing before re-use.

Inhalation: Immediately remove the affected victim from exposure to an area with fresh air. If breathing is difficult have qualified personnel administer oxygen.

If breathing has stopped, administer artificial respiration. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the product; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediately obtain medical attention.

Ingestion: Obtain medical attention or call a poison control centre for treatment advice. If conscious, rinse mouth thoroughly with water. Never give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits.

TOXICOLOGICAL INFORMATION

Most important symptoms/effects, acute and delayed

None known for the product.

The product 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.



Notes to physician

No specific antidote. Treat symptomatically and supportively.

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 programs.

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

MODE OF ACTION

4A: Nicotinic acetylcholine receptor (NACHR) competitive modulators – Bind to the acetylcholine site on nAChRs, causing a range of symptoms from hyper-excitation to lethargy and paralysis. Acetylcholine is the major excitatory neurotransmitter in the insect central nervous system.

DIRECTIONS FOR USE

Use only as indicated.

NOTICE TO THE USER: This agricultural remedy is to be used only according to the directions of this label. It is an offense under the Act to use this product inconsistent with the directions on the label.

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/TARGET	DOSAGE	REMARKS
Maize Astylus larvae (<i>Astylus atomaculatus</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



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CROP/TARGET	DOSAGE	REMARKS
		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.
Sunflower Ground weevils (<i>Protostrophus</i> spp.)	500 g/4-5 L water/100 kg seed	On certain soil types and under certain conditions (e.g. sandy soils, shallow planting, etc.) germination may occur quickly causing the treated seed coat to be lifted out of the soil rapidly before absorption is complete. This will reduce the efficacy of the treatment.
Natural grazing Harvester termite (<i>Hodotermes mossambicus</i>)	14 g/5 L water/10 kg of bait pieces 1 g bait/square meter	Prepare bait using dry hay (Lucerne, wheat, straw or a palatable grass species). Cut the hay into pieces of approx. 2 cm in length and thoroughly wet with the spray mix. Spread the treated pieces onto a tarpaulin or concrete floor to dry out. Commence application of the bait only when termites are



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CROP/TARGET	DOSAGE	REMARKS
		active. Treat the infested area as well as an additional area of at least 2 m wide. Repeat if adverse conditions (rain, strong wind, etc.) occur within 10 days of application. Check treated areas at regular intervals to determine whether further applications may be necessary.