

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. SHAKE THE BOTTLE WELL BEFORE USE.



SEED TREATMENT

RONSEK 600 FS

Reg. No. L 8573 Act No. 36 of 1947
N-AR 1336 / W130691

6: 19/01/2022 – Oct2023

A systemic insecticide seed treatment for the control of pests as indicated.

ACTIVE INGREDIENT

imidacloprid (chloro-nicotinyl) 600 g/l

GROUP

4A

INSECTICIDE



WARNING

Hazard Statements:

Harmful if swallowed.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not eat, drink or smoke when using this product.
Avoid release into the environment.



villa 

UN Number: 3082

Registration holder: VILLA CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1992/002474/07
PO Box 10413, Aston Manor, 1630
Tel. (011) 396 2233
Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:
Griffon Poison Centre: +27 82 446 8946
24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:
Date of Manufacture:

RONSEK 600 FS

Reg. No. L 8573 Act No. 36 of 1947

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IRAC INSECTICIDE GROUP CODE: 4A

ACTIVE INGREDIENT:

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

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WARNINGS**Withholding period:**

Minimum time between the last application and feeding:	
Maize	65 days
Wheat & Barley	100 days

IMPORTANT NOTES ON MRL'S:

IN THE CASE OF CROPS INTENDED FOR EXPORT, CONFIRM WITHHOLDING PERIODS WITH THE RELEVANT EXPORT ORGANISATION. IF THIS PRODUCT IS USED ACCORDING TO THE RECOMMENDATIONS ON THIS LABEL, LOCAL MRL VALUES WILL NOT BE EXCEEDED. HOWEVER, VILLA CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

Hazard Statements

Harmful if swallowed.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Toxic to wildlife.
- **Treated seed may be poisonous to seed-eating birds. Treated seed must be planted properly and covered with soil totally. No seed should be left in places where it can be eaten by birds.**
- Sufficient soil moisture is required, to ensure uptake of the active ingredient during germination.
- Use **RONSEK 600 FS** only for the treatment of high-quality certified seed.
- Do not use **RONSEK 600 FS** on sweetcorn.
- Do not treat seed of inbred parent plants of hybrids, experimental hybrids or cultivars or newly released hybrids or cultivars with **RONSEK 600 FS**. First refer to the manufacturer or seed supplier.
- The planter should be calibrated prior to planting with treated seed, to ensure that the required plant population is obtained. Calibration must also be confirmed at regular intervals thereafter.
- Emergence of seedlings may be adversely affected should planting depth exceed 50 mm. Efficacy may also be adversely affected by planting depth.
- Only treat seed that is to be used for planting purposes. **Never use treated seed for consumption or animal feed.**
- Store in a cool place away from food and feedstuffs.
- Keep out of reach of 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 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 pests against the remedy concerned, as well as 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.

Precautionary Statements

Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release into the environment.
IF SWALLOWED: Get medical help.
Rinse mouth.
Collect spillage.
Dispose of content/container to suitable landfill in accordance with local regulations.

PRECAUTIONS

- Wash contaminated clothing after use.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.
- Treated seed must be handled carefully. Label the bags which contain treated seed clearly "**POISONOUS**". Never use the bags for any other purpose.

Relevant hazardous components	
Imidacloprid	600 g/l
Emulsifier PS 54	<20 g/l
Preventol D2	<5 g/l
Preventol D7	<5 g/l

SYMPTOMS OF POISONING

In severe cases of poisoning: apathetic state, depressed muscular tone, respiratory disturbances and trembling and muscular cramps.

FIRST AID TREATMENT

- **In case poisoning is suspected:** Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and at rest. **Call a physician immediately.** Keep the airway clear to maintain respiration, particularly when the patient is unconscious or has vomited. Do not apply direct mouth-to-mouth respiration.
- **Skin contact:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.
- **Eye contact:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Obtain medical attention if irritation persists.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Ingestion:** **Seek medical attention** or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

NOTE TO PHYSICIAN

There is no specific antidote available. Treat symptomatically. Check blood pressure and pulse rate frequently as bradycardia and hypotonia are possible. Provide supportive measures for respiratory and cardiac action. Give artificial respiration if signs of paralysis appear. Additional measures to be considered involve the elimination of the substance from the body or acceleration of its excretion (gastrolavage, saline laxatives).

RESISTANCE WARNING

RONSEK 600 FS is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **RONSEK 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 **RONSEK 600 FS** or any other group code 4A insecticide.

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 programmes.

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

Mode of Action:

RONSEK 600 FS contains **Imidacloprid**, a nitroguanidine compound which belongs to the IRAC group code 4A. It is a systemic insecticide that is active through contact and ingestion. It is absorbed through the roots and the foliage of the plant and will be translocated acropetally in the xylem and also has translaminar mobility. It inhibits the acetylcholine enzyme by binding to the nicotinoyl receptors and causes a range of symptoms from hyperexcitation to lethargy and paralysis.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- **RONSEK 600 FS** can be used with maize seed previously treated with **Captab**.
- Do not use **RONSEK 600 FS** on wheat and barley seed that have been treated with **VITAVAX® FS** (L 2910) as this may adversely affect germination. However, it may be used on seed treated with **VITAVAX® PLUS** (L 3695).

Mixing instructions:

- Mix the required volume of **RONSEK 600 FS** with a small volume of water to form a smooth cream before adding the balance of the water. Mix thoroughly before adding to the seed.
- Large quantities of seed are conveniently treated in automatic seed-dressing machines. **RONSEK 600 FS** is to be used as a slurry seed-dressing. The machines should be checked at intervals, to ensure that the correct quantity of **RONSEK 600 FS** is used.
- 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 quantities of **RONSEK 600 FS** mixed with the required volume of water, close the lid and rotate the drum slowly for 3 to 5 minutes, to ensure that each seed is properly covered with the seed-dressing.
- Maize seed may be treated with **RONSEK 600 FS** immediately before planting but can be treated earlier and stored under cool dry conditions for a season, without germination and insecticide activity being affected. During storage the maize seed will be protected for 12 months from damage by the following insects when maize seed are treated at a rate not lower than 290 ml **RONSEK 600 FS** per 100 kg seed: Tropical warehouse moth (*Ephestia cautella*), Lesser grain borer (*Rhizopertha dominica*), Rice weevil (*Sitophilis oryzae*) and Confused flour beetle (*Tribolium confusum*).

Crop	Pest	Dosage
Maize	<i>Astylus</i> larvae	116 ml / 1.884 l water / 100 kg seed
	Black maize beetle (<i>Heteronychus arator</i>), Rootworms (<i>Buphonella</i> spp.), False wire worms (Tenebrionidae spp.), Ground weevils (<i>Protostrophus</i> spp.)	290 ml / 1.71 l water / 100 kg seed
	Leafhopper (<i>Cicadulina mbila</i> , vector of streak disease)	580 ml / 1.42 l water / 100 kg seed
NOTE		
Despite using this product, some Black maize beetles and Ground weevil damage could still occur. Under high infestation pressure, 20 % or more of the maize crop may be damaged or destroyed, although having been treated.		
Wheat & Barley	Russian wheat aphid (<i>Diuraphis noxia</i>)	230 ml / 1.0 l water / 100 kg seed
Depending on sufficient soil moisture levels to enhance the uptake of Imidacloprid , control of Russian aphid can be expected for a period of 8 to 10 weeks.		

VITAVAX® FS and **VITAVAX® PLUS** are registered trademarks of **CHEMTURA (PTY) LTD.**