

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

## Seed Treatment



# CAPTIVO 360 FS

Reg. No. L 10404 Act/Wet No. 36 of/van 1947

1: 2/2/2018 – May2020

*A systemic insecticide and fungicide seed treatment for the control of insect pests and diseases in cereal crops as indicated.*

*'n Sistemiese insek- en swamdoder saadbehandeling vir die beheer van insekplae en siektes in kleingraangewasse soos aangedui.*

### ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

imidacloprid (chloro-nicotinyl) **350 g/l** imidakloprid (chloro-nikotiniel)  
tebuconazole (triazole) **10 g/l** tebukonasool (triasool)

IRAC INSECTICIDE GROUP CODE **4A** IRAC INSEKODODER GROEPKODE  
FRAC FUNGICIDE GROUP CODE **3** FRAC SWAMDODER GROEPKODE



**villa** 

Registration holder / Registrasiehouer:  
Villa Crop Protection (Pty) Ltd.  
Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07  
PO Box / Posbus 10413, Aston Manor, 1630  
Tel: 011 396 2233  
Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

UN Number: 3082



HARMFUL  
SKADELIK

Willow Set & Print 011 394-4486



GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE  
GEDRUK OP HOUER/SAK

Date formulated:  
Formuleringsdatum:

REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotnommer:

DIRECTIONS FOR USE ENCLOSED

**CAPTIVO 360 FS**

Reg. No. L 10404 Act/Wet No. 36 of/van 1947

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FRAC FUNGICIDE GROUP CODE / FRAC SWAMDODER GROEPKODE: 3

**ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:**

imidacloprid (chloro-nicotinyl) / imidakloprid (chloro-nikotiniel) ..... 350 g/l  
 tebuconazole (triazole) / tebukonasool (triasool) ..... 10 g/l

Registration holder / Registrasiehouer:

**VILLA CROP PROTECTION (PTY) LTD**

Co. Reg. No.: 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 801, KEMPTON PARK, 1620

Tel. (011) 396 2233

**WARNINGS****Withholding period:**

<b>Minimum time between the last application and feeding:</b>	
Wheat & Barley	100 days

- Handle with care.
- Very toxic to aquatic life with long lasting effects.
- **Treated seed may be poisonous to seed-eating birds. Treated seed must be planted properly and covered entirely 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.

**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, and 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 handle product until safety precautions have been read and understood. Suspected of damaging the unborn child.
- Wash with soap and water immediately after use and accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and recycle or dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.
- **Label the bags, which contain treated seed clearly "POISONOUS".** Treated seed must be handled carefully.
- **Never use treated seed for consumption or animal feed.** Store away from non-treated seed that is used for food or feed.

- Never use the bags for any other purpose.

### **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. Flush skin with large amounts of water and then wash thoroughly with soap and water, if available, wash with polyethylene glycol 400. Seek medical attention if skin irritation persists. Wash contaminated clothing before re-use.
- Eye contact: Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
- Inhalation: Remove person from contaminated area to fresh air. Seek medical attention if irritation persists.
- 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.

### **NOTE TO PHYSICIAN**

Treat symptomatically and supportively. Check blood pressure and pulse rate regularly as brachycardia and hypotonia are possible. In case of significant ingestions, gastric lavage should be considered within two (2) hours after ingestion. Use of activated charcoal and sodium sulphate is advised. No specific antidote known.

### **RESISTANCE WARNING**

**CAPTIVO 360 FS (Imidacloprid)** is a group code 4A insecticide plus group code 3 (**Tebuconazole**) fungicide. Any insect/fungi population may contain individuals naturally resistant to **CAPTIVO 360 FS** and other group code 4A insecticides or group code 3 fungicides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CAPTIVO 360 FS** or any other group code 4A insecticide or group code 3 fungicides.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides/fungicides from the same group codes. Alternate with products from different mode of action group codes,
- integrate other control methods (chemical, cultural, biological) into insect/disease control programmes,

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

### **USE RESTRICTIONS**

- Use **CAPTIVO 360 FS** only for the treatment of high-quality certified seed.
- Only treat seed that is to be used for planting purposes and not for consumption or feed.
- Sufficient soil moisture is required, to ensure uptake of the active ingredients during germination.
- Do not treat seed of inbred parent plants of hybrids, experimental hybrids or cultivars or newly released hybrids or cultivars with **CAPTIVO 360 FS**. First refer to the manufacturer or seed supplier.
- Emergence of seedlings may be adversely affected should planting depth exceeds 50 mm. Efficacy may also be adversely affected by planting depth.

### **DIRECTIONS FOR USE: Use only as directed.**

#### **Compatibility:**

- **DO NOT** use **CAPTIVO 360 FS** on wheat & 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 **CAPTIVO 360 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. **CAPTIVO 360 FS** is to be used as a slurry seed-dressing. The machines should be checked at intervals, to ensure that the correct quantity of **CAPTIVO 360 FS** is used.

**Application instructions**

- 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.

**APPLICATION RATES****IMPORTANT**

Refer to “**WARNINGS**” above regarding storing and use of treated seed.

<b>Crop &amp; pest / disease</b>	<b>Dosage</b>	<b>Remarks</b>
<b>Wheat</b> Russian wheat aphid ( <i>Diuraphis noxia</i> ) Wheat aphid ( <i>Schizaphis graminum</i> ) Oat aphid ( <i>Rhopalosiphum padi</i> ) Brown wheat ear aphid ( <i>Sitobion avenae</i> )  Stinking smut ( <i>Tilletia spp.</i> ) Loose smut ( <i>Ustilago tritici</i> )	400 ml / 1.6 l water / 100 kg seed	Seed treatment – refer “ <b>Mixing instructions</b> ” above. It is recommended to treat the seed a few days before planting.  Ensure complete coverage of the seed with the mixture.
<b>Barley</b> Russian wheat aphid ( <i>Diuraphis noxia</i> ) Wheat aphid ( <i>Schizaphis graminum</i> ) Oat aphid ( <i>Rhopalosiphum padi</i> ) Brown wheat ear aphid ( <i>Sitobion avenae</i> )  Covered smut ( <i>Ustilago hordei</i> ) Loose smut ( <i>Ustilago nuda</i> )		Depending on sufficient soil moisture levels to enhance the uptake of <b>Imidacloprid</b> , control of Aphids can be expected for a period of 8 to 10 weeks.

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**CHEMTURA (PTY) LTD.**