

# SHAVIT 15 FS


Reg. no. L5493 Act/Wet 36 of/van 1947

**READ THE LABEL BEFORE USE**

**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

GROUP	3	FUNGICIDE
-------	---	-----------

<p>A fungicidal seeddressing for the control of stinking smut (<i>Tilletia caries</i> and <i>T. foetida</i>) and loose smut (<i>Ustilago tritici</i>) on irrigated wheat and wheat in the winter rainfall region; loose smut (<i>Ustilago avenae</i>) on oats and for the control of covered- (<i>Ustilago hordei</i>) and loose smut (<i>Ustilago nuda</i>) and the suppression of powdery mildew (<i>Erysiphe graminis</i>), brown rust (<i>Puccinia hordei</i>) and leaf spot (<i>Rhynchosporium secalis</i>) on barley; control of cob and tassel smut (<i>Sphacelotheca reiliana</i>) on maize and the control of black root rot (<i>Thiellaviopsis basicola</i>) on tobacco when applied as a seedbed drench.</p>	<p>'n Swamdodende saadbehandeling vir beheer van stinkbrand (<i>Tilletia caries</i> and <i>T. foetida</i>) en losbrand (<i>Ustilago tritici</i>) op koring wat besproei word en koring in die winter reënvalgebied; losbrand (<i>Ustilago avenae</i>) op hawer en vir die beheer van bedekte- (<i>Ustilago hordei</i>) en losbrand (<i>Ustilago nuda</i>) en onderdrukking van poeieragtige skimmel (<i>Erysiphe graminis</i>), bruinroes (<i>Puccinia hordei</i>) en blaarvlek (<i>Rhynchosporium secalis</i>) op gars; beheer van kop- en pluimbrand (<i>Sphacelotheca reiliana</i>) op mielies en die beheer van swart wortelvrot (<i>Thiellaviopsis basicola</i>) op tabak wanneer as saadbeddeurdrenking gebruik word.</p>
---	---

 <p><b>WARNING</b></p>	<p><b>Hazard statements</b> May damage fertility to unborn child. May cause harm to breast-fed children.</p> <p><b>Precautionary statements</b> Avoid contact during pregnancy and while nursing. Do not breath dust or mists.</p>
---	--

## ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Triadimenol (triazole)..... 150 g/L .....Triadimenol (triasool)

## NET VOLUME/NETTO VOLUME

..... L

## REGISTRATION HOLDER/REGISTRASIEHOUER

ADAMA South Africa (Pty) Ltd;  
Reg. no. 1992/001741/07  
Ground Floor, Simeka House  
The Vineyard Office Estate, 99 Jip de Jager Drive  
Bellville, 7530  
T: +27 21 982 1460  
infocpt@adama.com

## 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

Not classified for transport purposes.

Batch number .....  
Date of Manufacture .....  
Expiry date .....

Lotnommer .....  
Datum van Vervaardiging .....  
Vervaldatum .....



GHS information

## WARNINGS

- May damage fertility or the unborn child.
  - May cause harm to breast-fed children.
- TREAT ONLY SEED THAT IS TO BE USED FOR PLANTING PURPOSES. NEVER USE TREATED SEED FOR FEEDING.
  - Triadimenol could be toxic to aquatic life with long lasting effects.
  - The product may be absorbed into the body by inhalation of vapour or spray and/or by ingestion.
  - The product may come into contact with the skin or eyes.
  - Store away from food and feed.

**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 disease 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, 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 label instructions or to the occurrence of conditions which could not have been foreseen in terms of registration. Consult the supplier in the event of any uncertainty.**

## PRECAUTIONS

- If medical advice is needed, have product label or container at hand.
- Keep out of reach of children.
- Read label carefully and follow all instructions.

### PREVENTION

- Obtain, read and follow all safety instructions before use.
- Wear protective gloves, protective clothing, and eye and face protection.
- Avoid contact during pregnancy and while nursing.
- Do not breathe dust or mists.
- Do not eat, drink or smoke when using this product.
- Wash hands and face thoroughly after handling.

### RESPONSE

- If exposed or concerned, get medical advice.

### STORAGE

- Store locked up.

- Prevent contamination of food, feed, drinking water and eating utensils.

- Handle treated seed carefully and clearly mark the bags which contain treated seed “POISONOUS” and never use this again for other purposes.
- Destroy empty container and never use for any other purpose.

## RELEVANT SUBSTANCES

Chemical name	Weight %	CAS no.
Triadimenol	14.2%	55219-65-3

## FIRST AID

Remove contaminated clothing and move the affected person away from the contamination area. Keep the person warm, calm and comfortable. First Aid personnel should pay attention to their own safety. Take the container label or product name with you when seeking medical attention.

**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 immediately with plenty of water for 15 to 20 minutes under the safety shower. Contact a poison control centre or medical practitioner if irritation occurs or persists. Wash contaminated clothing before re-use.

**Inhalation:** If breathing is difficult, remove the affected victim from exposure to an area with fresh air. Keep at rest in a position comfortable for breathing. Obtain medical attention if concerned or unwell.

**Ingestion:** Obtain immediate medical attention - call a poison control center or medical practitioner immediately 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 unless directed to do so by a medical professional. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits, rinse mouth and administer more water.

## TOXICOLOGICAL INFORMATION

### Antidotes

No specific antidote. Treat symptomatically and supportively.

### Symptoms of human poisoning

Irritation effects (including rash and erythema) to skin, mouth, throat, and eyes. Headache, cough, nausea, sneezing and congestion is possible.

## RESISTANCE WARNING

**SHAVIT 15 FS** is a demethylation inhibiting (DMI) fungicide recommended for the control of plant diseases. Repeated exclusive use of **SHAVIT 15 FS** may lead to a build-up of resistant strains of fungi resulting in a loss of disease control. If treatment is not effective following the use of **SHAVIT 15 FS** as recommended, a resistant strain may be present. If a DMI-resistant strain is positively identified, consideration should be given to prompt use of non-DMI fungicides. A spray programme of mixtures or alterations with non-DMI fungicides may delay resistant strain build-up.

There may be delay in the emergence of seed treated with **SHAVIT 15 FS** seed dressing. This is only of a temporary nature and has been shown to be of no economic significance under normal growing conditions. Optimal seedbed conditions are necessary for rapid germination and emergence of small grains. Thorough seedbed preparation is essential for efficient control. It is known that reduced crop emergence can be caused by adverse factors such as a very dry, fluffy, and cloddy seedbeds, soils that tend to crust (surface compaction), water logging, drilling/sowing too deep (more than 50 mm) or too shallow (less than 20 mm), use of seed with low germination capacity and vigor, etc. The effect of these negative and seed conditions may be accentuated when seed is treated with **SHAVIT 15 FS** seed dressing.

## MODE OF ACTION

**SHAVIT 15 FS** is a sterol biosynthesis inhibitor (SBI) fungicide of SBI Class I, i.e., demethylation inhibiting (DMI) fungicide.

## DIRECTIONS FOR USE

**Use only as directed.**

NOTICE TO THE USER: This agricultural remedy is to be used only in 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

Large quantities of seed are conveniently treated in automatic seed dressing machines. The machines should be checked at intervals to ensure that the correct quantity of **SHAVIT 15 FS** seed dressing is used. Small quantities of seed may be treated in a manually operated drum suspended from a support by two pivots. The drum should not be filled more than two-thirds with seed and after adding the required quantity of **SHAVIT 15 FS** seed dressing and closing the lid, rotate the drum slowly for 3-5 minutes to ensure that each seed is evenly covered with the **SHAVIT 15 FS**. So as to ensure thorough coverage of the seed with **SHAVIT 15 FS** when using an automatic seed dressing machine **SHAVIT 15 FS** seed dressing must be diluted with water in a 1:1 ration. This dilution with water (150 ml **SHAVIT 15 FS** seed dressing + 150 ml water/100 kg seed) will have no adverse effect on germination or storage of seed. Seed should be treated with **SHAVIT 15 FS** seed dressing immediately before planting.

## Mixing instructions

**Tobacco:** First add a little water to the required volume of **SHAVIT 15 FS** seed dressing and mix well before adding to the correct volume of water. Keep mixture agitated during use.

## APPLICATION RATES

CROP AND TARGET	DOSAGE	REMARKS
<b>Wheat</b> (Only irrigated wheat and wheat in the winter rainfall region) Stinking smut ( <i>Tilletia caries</i> and <i>T. foetida</i> ) Loose smut ( <i>Ustilago tritici</i> )	150 ml/100 kg seed	Ensure complete coverage of the seed with <b>SHAVIT 15 FS</b> seed dressing
<b>Barley</b> Covered smut ( <i>Ustilago hordei</i> ) Loose smut ( <i>Ustilago nuda</i> )	150 ml/100 kg seed	<b>SHAVIT 15 FS</b> seed dressing when used for the control of <i>Ustilago spp.</i> on barley will also suppress Powdery mildew, Brown rust and Leaf spot.
<b>Oats</b> Loose smut ( <i>Ustilago avenae</i> )	150 ml/100 kg seed	Ensure complete coverage of the seed with <b>SHAVIT 15 FS</b> seed dressing.
<b>Maize</b> Cob and tassel smut ( <i>Sphacelotheca reiliana</i> )	330 ml/100 kg seed	Ensure complete coverage of seed with <b>SHAVIT 15 FS</b> seed dressing.
<b>Tobacco</b> (Seedbeds) Black root rot ( <i>Thielaviopsis basicola</i> )	15 ml/100 L water	Using a watering can fitted with a fine hose, drench the seedbeds three weeks after emergence of the seedlings with the suspension at 2 L/m <sup>2</sup> seedbed. Immediately afterwards, drench the same area with a further 2 L/m <sup>2</sup> of clean water to leach the fungicide into the root zone. Repeat every 14 days.
<b>NOTE:</b> Should surface compaction of the soil take place after planting and before emergence, this must be broken by means of a suitable implement.		