



ADAMA

Listen - Learn - Deliver

# SHAVIT 15 FS

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

A fungicidal seeddressing for the control of stinking smut (*Tilletia caries* & *T.foetida*) and loose smut (*Ustilago tritici*) on irrigated wheat and wheat in the winter rainfall region; loose smut (*Ustilago avenae*) on oats and for the control of covered- (*Ustilago hordei*) and loose smut (*Ustilago nuda*) and the suppression of powdery mildew (*Erysiphe graminis*), brown rust (*Puccinia hordei*) and leaf spot (*Rhynchosporium secalis*) on barley; control of cob and tassel smut (*Sphacelotheca reiliana*) on maize and the control of black root rot (*Thiellaviopsis basicola*) on tobacco when applied as a seedbed drench.

'n Swamdodende saadbehandeling vir beheer van stinkbrand (*Tilletia caries* & *T.foetida*) en losbrand (*Ustilago tritici*) op koring wat besproei word en koring in die winter reënvalgebied; losbrand (*Ustilago avenae*) op hawer en vir die beheer van bedekte- (*Ustilago hordei*) en losbrand (*Ustilago nuda*) en onderdrukking van poeieragtige skimmel (*Erysiphe graminis*), bruinroes (*Puccinia hordei*) en blaarvlek (*Rhynchosporium secalis*) op gars; beheer van kop- en pluimbrand (*Sphacelotheca reiliana*) op mielies en die beheer van swart wortelvrot (*Thiellaviopsis basicola*) op tabak wanneer as saadbeddeurdrenking gebruik word.

**FRAC FUNGICIDE GROUP CODE**

**3**

**FRAC SWAMDODER GROEPKODE**

**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 Vineyards Office Estate  
99 Jip de Jager Drive  
Bellville, 7530  
T: +27 21 982 1460  
infocpt@adama.com

**SHAVIT is a trade mark of a company of the ADAMA GROUP.  
SHAVIT is 'n handelsmerk van 'n maatskappy van die ADAMA GROEP.**

**CONTACT IN EMERGENCY/KONTAK IN NOOD**

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

Batch number .....  
Date of Manufacture .....

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

UN no:2588

**HARMFUL SKADELIK**



## WARNINGS

### 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.

- TREAT ONLY SEED THAT IS TO BE USED FOR PLANTING PURPOSES. NEVER USE TREATED SEED FOR FEEDING.
- Poisonous when absorbed through the skin, swallowed or inhaled.
- Toxic to fish and wildlife.
- Store away from food and feed.
- Keep out of reach of children, uninformed person and animals.

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.

**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

- Do not inhale mist.
- Wash with soap and water immediately after use.
- Do not eat, drink or smoke whilst applying or before washing hands and face.



- Destroy empty container and never use for any other purpose.
- 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.

**Symptoms of human poisoning:** Possible symptoms of human poisoning if product is swallowed are nausea, vomiting, stomach ache and diarrhea. If product comes into contact with the eyes, it can cause irritation leading to redness and tears.

#### **First aid treatment:**

**Inhalation:** Remove victim to fresh air. Consult a physician in the event of any complaints.

**Ingestion:** Induce vomiting by tickling the back part of the throat. Wash mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.

**Skin contact:** Remove contaminated clothing and wash contaminated body areas with soap and water.

**Eye contact:** Wash off with plenty of clean running water for at least 15 minutes. If pain persists, consult a physician.

**Note to physician:** There is no specific antidote. Treat symptomatically and give supportive therapy. If ingested perform gastric lavage and administer activated charcoal.

#### **DIRECTIONS FOR USE**

##### **Use only as directed.**

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.



ADAMA

Listen - Learn - Deliver

## 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> & <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.		

## WAARSKUWINGS

### WEERSTANDSWAARSKUWING

**SHAVIT 15 FS** is 'n demetilase inheberende (DMI) swamdoder wat aanbeveel word vir die beheer van plantsiektes. Herhaalde eksklusiewe gebruik van **SHAVIT 15 FS** mag lei tot die opbou van bestande rasse van swamme en gevolglike verlies in siektebeheer. Indien behandeling nie suksesvol is nie na die toediening van **SHAVIT 15 FS** soos aanbeveel, mag 'n bestande ras van die swam teenwoordig wees. Indien 'n DMI-bestande ras positief geïdentifiseer word moet oorweging onmiddellik gegee word aan die gebruik van nie-DMI swamdoders. 'n Suijterprogram met mengsels of afwisselende bespuitings met nie-DMI swamdoders mag die opbou van bestande rasse vertraag.

- BEHANDEL ALLEENLIK SAAD WAT VIR PLANTDOELEINDES GEBRUIK GAAN WORD. BEHANDELDE SAAD MOET NOOIT AS VOER GEBRUIK WORD NIE.
- Giftig wanneer deur die vel opgeneem word of wanneer ingesluk of ingesem word.
- Toksies vir vis en wild.
- Moenie naby voedsel of voer geberg word nie.
- Hou buite bereik van kinders, oningeligte persone en diere.

Daar mag 'n vertraging wees in die ontkieming van die saad wat met **SHAVIT 15 FS** behandel word. Die verskynsel is egter tydelik van aard en is van geen ekonomiese betekenis onder normale toestande nie. Optimale saadbed toestande is nodig vir vinnige ontkieming en opkoms van kleingraan. Deeglike saadbedvoorbereiding is noodsaaklik vir doeltreffende beheer. Dit is bekend dat saadopkoms vertraag kan word deur toestande soos baie doë en stowwerige of buitengewone los- of saadbed, gronde wat geneig is om toe te slaan (oppervlakkompaksie); versuip-toestande, sade wat te diep (meer as 50 mm) of te vlak (minder as 20 mm) gesaai word, asook sade met lae ontkiemings vermoëns. Bogenoemde negatiewe omgewingstoestande mag deur **SHAVIT 15 FS** behandeling meer beklemtoon word.

**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 siekte 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 en dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim deur 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 of registrasiehouer in geval van enige onsekerheid.**

### VOORSORGMAATREËLS

- Moet nie die spuitnewel inasem nie.

- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat hande en gesig gewas is nie.
- Was met seep en water na hantering.
- Vernietig leë houers en moenie weer hergebruik nie.
- Voorkom kontaminasie van voedsel, drinkwater en eetgereedskap.
- Hanteer behandelde saad versigtig en merk duidelik sakke met behandelde saam “GIFTIG” en moenie weer gebruik nie.

**Simptome van menslike vergiftiging:** Moontlike simptome van menslike vergiftiging as produk ingeneem word, is naarheid, braking, maagpyn en diareë. Indien die produk in die oë beland, kan dit erge irritasie veroorsaak wat daartoe kan lei dat die oë rooi word en traan.

#### **Noodhulp behandeling:**

**Inaseming:** Neem die pasient na vars lug. Raadpleeg die geneesheer indien enige ongemak voorkom.

**Inname:** Veroorsaak braking deur die agterkant van die keel te kielie. Was die mond met water uit. Moet nooit enige iets per mond aan 'n bewustelose persoon gee nie. Raadpleeg 'n geneesheer.

**Vel:** Verwyder besoedelde klere en was besoedelde liggaamsdele met water en seep.

**Oë:** Spoel oë vir ten minste 15 minute met skoon lopende water uit. Indien ongemak voortduur, raadpleeg 'n geneesheer.

**Nota aan die geneesheer:** Daar is geen spesifieke teenmiddel nie. Behandel simptome en gee ondersteunende terapie. Indien ingeneem, spoel die maag en gee ge-aktiveerde houtskool.

## **GEBRUIKSAANWYSINGS**

### **Gebruik slegs soos aangedui.**

Groot hoeveelhede saad kan gerieflik behandel word deur outomatiese saadbehandelings masjiene. Die masjiene moet gereeld nagegaan word om te verseker dat die korrekte hoeveelheid **SHAVIT 15 FS** saadbehandeling gebruik word. Klein hoeveelhede saad kan in hand geopereerde drom deur twee draaispille behandel word. So 'n drom moet nie meer as twee derde gevul wees nadat saad en **SHAVIT 15 FS** saadbehandeling bygevoeg is nie. Roteer drom stadig vir 3–5 minute om te verseker dat elke saad eweredig bedek is met 'n lagie **SHAVIT 15 FS** saadbehandeling. Indien 'n outomatiese saadbehandelingsmasjien gebruik word, moet volledige bedekking van die saad verseker word, deur **SHAVIT 15 FS** saadbehandeling met water in 'n verhouding te 1:1 te verdrun. Die verdunning van **SHAVIT 15 FS** saadbehandeling met water (150 ml **SHAVIT 15 FS** saadbehandeling + 150 ml water/100 kg saad) sal geen nadelige effek op ontkieming hê nie. Behandel saad met **SHAVIT 15 FS** saadbehandeling onmiddellik voor plant.

### **Menginstruksies**

**Tabak:** Voeg eers 'n klein bietjie water by die vereiste volume **SHAVIT 15 FS** en meng deeglik voordat dit by die korrekte volume water gevoeg word. Hou mengsel in roering gedurende gebruik.



ADAMA

Listen - Learn - Deliver

## TOEDIENINGSHOEVEELHEDE

GEWAS EN PLAAG	DOSIS	OPMERKINGS
<b>Koring</b> (Alleenlik op koring wat besproei word en koring in die winterreënvalgebied) Stinkbrand ( <i>Tilletia caries</i> & <i>T. foetida</i> ); Losbrand ( <i>Ustilago tritici</i> )	150 ml/100 kg saad	Verseker volledige bedekking deur <b>SHAVIT 15 FS</b> saadbehandeling.
<b>Gars</b> Bedekte brand ( <i>Ustilago hordei</i> ) Losbrand ( <i>Ustilago nuda</i> )	150 ml/100 kg saad	Wanneer <b>SHAVIT 15 FS</b> as saadbehandeling op gars gebruik word vir die beheer van <i>Ustilago spp</i> , sal dit ook Poeieragtige skimmel (meeldou), bruinroes en blaarvlek onderdruk.
<b>Hawer</b> Losbrand ( <i>Ustilago avenae</i> )	150 ml/100 kg saad	Verseker volledige debekking van saad deur <b>SHAVIT 15 FS</b> saadbehandeling.
<b>Mielies</b> Kop- en pluimbrand ( <i>Sphacelotheca reiliana</i> )	330 ml/100 kg saad	Verseker volledige bedekking van saad deur <b>SHAVIT 15 FS</b> saadbehandeling.
<b>Tabak</b> (Saadbeddings) Swart wortelvrot ( <i>Thielaviopsis basicola</i> )	15 ml/100 L water	Gebruik 'n gieter met fynsproeigieterkop en deurdrenk saadbeddings 3 weke na opkoms, met 'n suspensie van 2 L/m <sup>2</sup> . Deurdrenk dieselfde oppervlak onmiddellik daarna met 'n verdure 3 L/m <sup>2</sup> skoon water, om die swamdoder tot by die wortelsone af te spoel. Herhaal elke 14 dae.
<b>NOTA:</b> Indien korsvorming/toeslaan van grond (oppervlakte kompaksie) voorkom na plant, maar voor opkoms van die saailinge, moet die kors met behulp van 'n geskikte implement gebreek word.		