

SEEDGUARD 400FS[®]

(Carboxin 200g/L + Thiram 200g/L)

'Seed is valuable and needs to be protected'
'Mbegu ni muhimu na inahitaji kulindwa'



**Optimum
Seed
Coverage
&
Protection**

**Good quality
seed**

**Strong seedling
at emergence**

**Strong healthy
root system**



**Larger number
uniform tillers**



**Increased
production
in the season**



**Maximum yield
potential realized**

SEEDGUARD 400FS is an advanced flowable formulation, designed for the farmer's convenience for effective disease control, better crop emergence, enhanced root growth, improved crop vigour and uniform crop.



Seedguard - unlock the potential within each seed



Reliability & Value

TWIGA CHEMICAL INDUSTRIES LTD.

P.O. Box 30172, NAIROBI-KENYA, Tel: 020-3942000, Fax: 020-3942405

Email:- info@twiga-chem.com Website:- www.twigachemicals.com



You Tube



LinkedIn

FEATURES

Active materials

SEEDGUARD 400FS combines Carboxin, a safe-to-handle systemic fungicide with broad activity against a wide range of seed borne and soil diseases commonly occurring in cereals and other major crops, with Thiram, which is an established contact fungicide with a good record of disease control, crop tolerance and handling safety

Adhesion

To be effective, the active ingredient in a seed treatment needs to adhere firmly to the seed coat- which may be very hard and shiny. SEEDGUARD 400FS has been developed to give a good adhesion even on the most difficult varieties of seed without overdosing individual seeds. There is also less dust lost from seed treated with Seedguard 400FS compared to powder and liquid products.

DISTRIBUTION

Good adhesion is of no use if most of the seed treatment is concentrated on a small portion of seed lot. SEEDGUARD 400FS has a good distribution which is a function of the seed treater used as well as the treatment formulation.

METHOD OF APPLICATION.

Seedguard 400FS should be applied as a slurry treatment using suitable seed treatment equipment. To ensure even coverage of seeds, Seedguard 400FS can be diluted with up to twice its own volume with clean water then applied to clean seed.

RATE OF APPLICATION

CROP	DISEASE	RATE ML/100KG SEED	COMMENT	PHI
Wheat	<u>Seed borne pathogens</u> Alternaria spp (causes kernel smudge, seedling blight, sooty moulds) Bipolaris spp (causes spot blotch) Phoma spp (causes phoma spot) <u>Soil borne pathogens</u> Fusarium spp (causes root rot, seedling blight, head blight)	200-300 mls	Mix thoroughly and ensure recommended rate is used	Product is used as a seed dresser
Barley	<u>Seed borne pathogens</u> Ustilago spp Helminthosporium/ Pyrenophora	200-300 mls	Mix thoroughly and ensure recommended rate is used	Product is used as a seed dresser



Treated Wheat Seed



Rotting Wheat Seedlings (Not Treated)



Healthy wheat seedlings (Treated)

SEEDGUARD 400FS ADVANTAGE

1. Controls many seed and soil diseases in many crops: wheat, Maize, rice, barley etc.
2. Synergistic effect-Combines systemic and contact disease control: Carboxin (systemic fungicide) controls diseases within the seed and surface while Thiram (surface contact fungicide) controls many soil borne diseases.
3. Positive germination effect: seedguard generally improves germination and number of healthy uniform seedlings.
4. Growth stimulation: Seedguard stimulates germination and early seedling growth.
5. Positive effect on seed/seedlings demonstrated to increase emergence and plant stands and promote uniformity of seedling size. Carboxin component in Seedguard is known to increase coleoptile length of the germinating cereal seed.
6. Flexible application FS formulation-easy to handle and apply.
7. Seed safety treated seed which may not be planted in the current season can still be planted in the following season and will still be potent.
8. High return on investment due to better, higher yielding crops compared to cost of the Treatment.

COMPATIBILITY.

Seedguard 400FS is compatible with other seed dressing products such as seed dressing insecticides and Seed dressing biostimulants e.g. Tripton TC. However, it is highly recommended that a compatibility test be done before mixing Seedguard 400FS with other seed dressing products in the same equipment.

SEEDGUARD 400FS maximizes germination rate, stimulates root development and seed emergence