

## Uster Top®32.5% SC

Uster Top 32.5% SC is a broad spectrum, systemic and contact foliar fungicide for the control of Stem Rust and Yellow Rust in wheat and Rust, Angular leaf spot and Anthracnose on French beans.

**ACTIVE INGREDIENT:** Azoxystrobin 200 g/L + Difenoconazole 125 g/L

**FORMULATION** SOLUBLE CONCENTRATE (SC)

**REGISTRATION NO:** PCPB (CR) 1841-P(i)

**WHO CLASSIFICATION:** WHO Class II

### MODE OF ACTION

**Uster Top 32.5% SC** contains two active ingredients; **Azoxystrobin and Difenconazole**.

- Azoxystrobin** belongs to Strobilurin chemical group. It acts by inhibiting spore germination during early stages of fungal growth. Azoxystrobin interferes with mitochondria respiration by disrupting the energy within the fungus and interrupting the biosynthesis of ergosterol. This disrupts the fungal life cycle mainly during spore germination, infection and hyphen growth.
- Difenconazole** belongs to Triazole chemical group. It is absorbed by the plant and works on the fungal pathogens by interfering with biosynthesis of sterols in cell membranes during penetration and haustoria formation. It has protective and curative properties and it is recommended during early stages of diseases cycle to minimise on fungal pathogen build up as well as irreversible damage to the crop.

### SPECTRUM OF CONTROL

A tried & proven fungicide for the control of Stem Rust and Yellow Rust in Wheat and barley; Rust, Angular leaf spot and Anthracnose on French beans; Ascochyta leafspot and powdery mildew on peas; Leaf spots, Black leg & cercospora leaf spot on cabbages; Downy mildew & purple blotch on onions.

### RECOMMENDATION FOR USE

| Crop         | Disease                                       | Rate      |                         | TIMING AND FREQUENCY OF APPLICATION                                      |
|--------------|-----------------------------------------------|-----------|-------------------------|--------------------------------------------------------------------------|
|              |                                               | PER 20 Lt | PER HA                  |                                                                          |
| Wheat        | Yellow leaf rust, stem rust                   | 20        | 1lt in 1000L of water   | Under low disease pressure, the application rate can go down to 0.75L/Ha |
| French Beans | Rust, Angular leaf spots, anthracnose         | 10        | 500ml in 1000L of water | Under high disease pressure, the rate can go up to 750 ml/ha             |
| Cabbages     | Leaf spot, black leg and Cercospora leaf spot | 10        | 500ml in 1000L of water | Under high disease pressure, the rate can go up to 750 ml/ha             |
| Onions       | Downy mildew and purple blotch                | 10        | 500ml in 1000L of water | Under high disease pressure, the rate can go up to 750 ml/ha             |

**Re-entry interval (REI): 12 hours**

### Mixing instructions:

Half-fill the spray tank with water. Add the required amount of Uster Top 32.5% SC, then fill the water to the required level and mix or agitate thoroughly to uniformity. Ensure the spray mixture is used the same day it is prepared.

### BENEFITS

- Resistance management:** Low risk of resistance due to combination of two active ingredients with different mode of action.
- High efficacy:** Excellent protective and curative properties from the two chemicals
- Broad Spectrum:** Effective on wide range of diseases; rust, Powdery mildew, Anthracnose, Angular leaf spots
- Systemic:** Due to its systemic nature, it offers protection even to the new growths.
- Cost effective:** This is due to high efficacy at low rates of application; only 1.0 Litre of Uster Top per Hectare (10ml in 20Lts).

**AVAILABLE PACKS:** 1lt

### MAELEZO

Kiua kuu iliyojaribiwa na kuthibitishwa kudhibiti na kuponya ‘Stem rust’ na ‘Yellow rust’ kwenye ngano na shayiri; Kutu, ‘Angular Leaf Spots’, ‘Anthracnose’ kwenye mishiri (French beans); Ascochyta leafspot, Powdery mildew kwenye mbaazi; Leaf spots, Black leg na Cercospora leaf spot kwenye kabichi; downy mildew na purple blotch kwenye vitunguu.

**Dhamana:** Azoxystrobin 200 g/L + Difenconazole 125 g/L

**Uundaji:** SOLUBLE CONCENTRATE (SC)

**Nambari Ya Usajili.** PCPB (CR) 1841-P(i)

**Uainishanji:** Darasa la II la WHO (Class II)

### JINSI INAVYOFANYA KAZI

**Uster Top 32.5% SC** ina viungo viwili; ‘**Azoxystrobin**’ na ‘**Difenconazole**’.

- Azoxystrobin** ni ya kundi la kemikali la Strobilurin. Hufanya kazi kwa kuzuia mbegu za kuu kuota katika hatua za mwanzo za ukuaji wa Kuu. Azoxystrobin huingilia upumuaji wa mitochondria kwa kuvuruga nishati ndani ya kuu na kukatiza biosynthesis ya ergosterol. Hii huvuruga Kuu hasa wakati wa kuota kwa mbegu, kuambukizwa na ukuaji wa hyphen.
- Difenconazole** ni ya kikundi cha kemikali cha Triazole. Inafyonzwa na mmea na hufanya kazi kwa vimelea kwa kutatiza biosynthesis ya sterols katika utando wa seli wakati wa kupenya na uotaji wa haustoria. Ina kinga na kuponya na inashauriwa kunyunyiziwa mapema kabla ya wa magonjwa ili kupunguza mkusanyiko wa vimelea vya ukungu pamoja na uharibifu usioweza kurekebisha kwa mazao.

## WIGO WA SHUGHULI

Uster Top 32.5% SC ni dawa ya kimfumo na ya mguso ya kudhibiti kuvu na yenye wigo mpana. Inadhibiti Stem Rust na Yellow Rust kwenye ngano na Shayiri; Rust, Angular leaf spot na Anthracnose kwenye mishiri (French beans). Ascochyta leafspot, Powdery mildew kwenye mbaazi; Leaf spots, Black leg na Cercospora leaf spot kwenye kabichi; downy mildew na purple blotch kwenye vitunguu.

## MATUMIZI

| Mmea                   | Wadudu                                        | Kipimo                       |                                    | Maelezo                                                                                                   |
|------------------------|-----------------------------------------------|------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                        |                                               | Milimita kwa lita 20 ya maji | Hekta 1/1000 lita ya maji          |                                                                                                           |
| Ngano shayiri          | Yellow leaf rust, stem rust                   | 20                           | Lita 1 kwa lita 1000 ya maji       | Kwa shinikizo la chini la ugonjwa, kiwango cha dawa inaweza shushwa hadi lita 0.75 ya dawa kwa Hekta moja |
| Mishiri (French beans) | Rust, Angular leaf spots, anthracnose         | 10                           | Milimita 500 kwa lita 1000 ya maji | Kwa shinikizo la juu la ugonjwa, kiwango cha dawa inaweza ongezwa hadi lita 0.75 ya dawa kwa Hekta moja   |
| Kabichi                | Leaf spot, black leg and Cercospora leaf spot | 10                           | Milimita 500 kwa lita 1000 ya maji | Kwa shinikizo la juu la ugonjwa, kiwango cha dawa inaweza ongezwa hadi lita 0.75 ya dawa kwa Hekta moja   |
| Kitunguu               | Downy mildew and purple blotch                | 10                           | Milimita 500 kwa lita 1000 ya maji | Kwa shinikizo la juu la ugonjwa, kiwango cha dawa inaweza ongezwa hadi lita 0.75 ya dawa kwa Hekta moja   |

**Muda wa kungojeakabla ya kuingia mahali dawa imenyunyiziwa:**  
Saa Kumi na mbili

## MAAGIZO YA KUCHANGANYA

Jaza nusu ya tank ya dawa na maji. Ongeza kiasi kinachohitajika cha Uster Top 32.5% SC, kisha ujaze maji kwa kiwango kinachohitajika na kuchangan-ya au kuchochea kabisa kwa usawa. Hakikisha mchanganyiko wa dawa unatumika siku ile ile iliyotayarishwa

**INAPATIKANA KWA PACKITI ZA:** 1lt, 500ml, 250ml, 100ml, 50ml.

## MANUFAA YA KUTUMIA USTER TOP 32.5% SC

- Ufanisi wa hali ya juu kutokana na viungo mbili kwenye dawa.
- Inakinga hadi ukuaji mpya kwenye mmea
- Dawa yenye wigo mpana wa udhibiti wa magonjwa ya kuvu kwenye mmea
- Uhakikisho wa usalama bora wa mazao
- Bei nafuu kutokana na viwango vya chini vya dawa kwa hekta moja, milimita 500-1000 kwa Hekta moja.

# Uster Top® 32.5% SC

**FUNGICIDE** Azoxystrobin 200 g/L + Difenconazole 125 g/L

A fungicide for the control of Stem Rust & Yellow Rust in Wheat; Rust, Angular leaf spot and Anthracnose on French beans.



Reliability & Value

**TWIGA CHEMICAL INDUSTRIES LTD.**

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