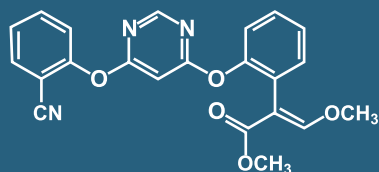




## ACTIVE INGREDIENTS

### Azoxystrobin:



#### Chemical name:

IUPAC: methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate

**Mode of Action:** Inhibition of mitochondrial respiration in fungi. It inhibits spore germination, mycelial growth, and spore production of fungi.

**Concentration of AI:** 250 g/ L

**Formulation type:** WDG (wetttable dispersible granule)

**Othello 25 WDG® is a systemic translaminar and protectant strobilurin-based Fungicide. Othello 25 WDG® inhibits spore germination and development and is therefore best applied at the start of infection.**

Inhibition of the earliest stages of the infection process is advantageous in yield maintenance and may also decrease the likelihood of development of resistant strains of pathogens.

In addition to disease control, **Othello 25 WDG®** can maintain green leaf areas in crops longer than untreated crops and this can also lead to significant yield benefits.

**Othello 25 WDG®** has eradicant, systemic and translaminar action but is best applied as a protectant to optimize control. The compound, Azoxystrobin, will control disease on the under-surface of a leaf when applied to the top surface as it can also move across the leaf i.e. it has translaminar systemicity.

#### Biological Properties:

- Interferes in the fungal life cycle, mainly during spore germination and tissue penetration.
- Shows gradual uptake into the leaves.
- **Othello 25 WDG®** is systemic, being transported acropetally and translaminary within the leaves. Due to its particular mode of action **Othello 25 WDG®** has to be applied preventively.

## Product Benefits:

- Systemic and translaminar action.
- Strong Combination of preventive and curative protection against many diseases in various crops.
- Rainfast property – special emulsifiers ensuring long lasting protection.
- Improves performance and quality.

## Rate of Application:

Crop	Disease	Rate	Remarks
Ornamentals	Botrytis, Downy mildew	0.5-1 Kg/ Ha	Max. 2 treatments per season
Peas / Beans	Rust, Botrytis, Powdery mildew, Ascochyta, Anthracnose	0.5-1 Kg/ Ha	Max. 2 treatments per season
Wheat	Yellow rust, Septoria, Fusarium spp.	750 g/ Ha	Should be applied at flag leaf stage
Barley	Net blotch, Scald, Spot blotch	750 g/ Ha	Should be applied at flag leaf stage
Grapes	Powdery mildew, Downy mildew, Botrytis, Bunch rot	75-100 100 L of water	Othello 25 WDG must not be used alone for Botrytis control at critical times.
Tomatoes & Potatoes	Early blight, Late blight, Sclerotinia	0.5-0.6 g/ Ha or 40 g / 100 L water	Apply in sufficient volume of water to achieve thorough coverage of all foliage.



Field Trials in Greece, in 2009-10 on French Beans, the Othello 25WDG plot.

## Field Case Study on Tomatoes with Powdery Mildew in Turkey, 2010:

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Othello 25 WDG® is a registered trademark of Sineria Kenya Ltd.



Far left: Control plants, 2 weeks after inoculation.

Left: Control plants, 10-12 weeks after inoculation.

Right: Othello 25 WDG plants, 4 weeks after inoculation.



Far right: Control plants, 10-12 weeks after inoculation.

