



Othello 250 WDG™

Othello 250 WDG™ is a systemic translaminar and protectant strobilurin base Fungicide. **Othello 250 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 250 WDG™** can maintain green leaf area in crops longer than untreated crops and this can also lead to significant yield benefits. **Othello 250 WDG™** has eradicator, systemic and translaminar action but is best applied as a protectant to optimize control. The compound, Azoxystrobin, will control disease on the undersurface of a leaf when applied to the top surface as it can also move across the leaf i.e. it has translaminar systemicity.

ACTIVE INGREDIENTS:

Azoxystrobin

CHEMICAL NAME:

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

CHEMICAL ABSTRACTS NAME:

methyl (E)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-3-(methoxymethylene) benzeneacetate

CAS RN: 131860-33-8

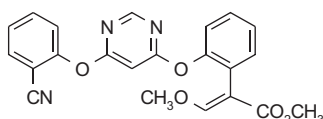
CONCENTRATION OF ACTIVE INGREDIENT(S):

Azoxystrobin: 250g/lit

FORMULATION TYPE:

WDG - Wettable Dispersible Granule

MOLECULAR STRUCTURE



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.

Biological properties:

Mode of action:

- acts as an inhibitor of mitochondrial respiration by binding to the Qo site of cytochrome b, disrupting the energy cycle within the fungus.
- interferes in the fungal life cycle, mainly during spore germination and tissue penetration.
- shows gradual uptake into the leaves.
- **Othello 250 WDG™** is systemic, being transported acropetally and translaminary within the leaves. Due to its particular mode of action **Othello 250 WDG™** has to be applied preventively.

General Rate of Application

Crop	Disease	Rate of Application	Remarks
Ornamentals	Botrytis (botrytis cinerea), Downey Mildew (peronospora sparsa)	0.5 – 1.0 l / ha 200 – 400 l / ha water	Depends on the level of infestation. Max 2 treatments. If second treatment should be necessary, the application should be done not later than 14 day before harvest.
Pears/Beans	Rust (Uromyces spp), Botrytis (botrytis cinerea), Powdrey Mildew, Downey Mildew, Ascochyta, Anthracnose	0.5 – 1.0 l / ha 200 – 400 l / ha water	Depends on the level of infestation. Max 2 treatments. If second treatment should be necessary, the application should be done not later than 14 day before harvest.
Wheat	Yellow Rust, Septoria, Fusarium spp	750 ml / ha	Should be applied at flag leaf. In Cereals, when applied as a preventative treatment at the stem elongation stage or at the first sign of disease, it gives 4-6 weeks protection against susceptible diseases Persistence may be even longer when applied to the flag leaf or the ear.
Barley	Nel Blotch, Scald, Spot Blotch	750 ml / ha	Should be applied at flag leaf
Grapes Table grape, Wine grape	Powdery Mildew (Uncinular necator), Downy Mildew (Plasmopara viticola), Botrytis Bunch Rot (Botrytis cinerea)	75 – 100 ml / 100 L of water Application Method and Rate every 14 days apply in a sufficient volume of water to achieve thorough coverage of all foliage and fruit.	Othello 250 WDG™ must not be used alone for Botrytis control at critical times such as 80 to 100% capfall and pre-harvest
Tomatoes and Potatoes	Early Blight (Target Spot) (Alternaria solani) Late Blight (Phytophthora infestans), WDGlerotinia (WDGlerotinia minor)	0.5-0.6 Lit/ha or 40ml/100 L of water	Application Apply in a sufficient volume of water to achieve thorough coverage of all foliage. The volume of water required to achieve this will depend on the stage of growth of the tomatoes and the method of trellising which influences canopy volume. Apply Othello 250 WDG™ in a protective spray program. DO NOT wait until disease levels have built up to make applications as this reduces the effectiveness of control.

TOXICOLOGICAL DATA

Oral: Acute oral LD50 for male and female rats and mice >5000 mg/kg.

Acute Dermal: Acute dermal LD50 for rats >2000 mg/kg

Skin and eye: Slight eye and skin irritation (rabbits). Not a skin sensitiser (guinea pigs).

Inhalation: LC50 for male rats 0.96, female rats 0.69 mg/kg.

NOEL: 20 mg/kg b.w. daily.

ADI: 0.2mg/kg b.w. (EU);

Re entry interval (REI): 12 hours.

Pre harvest interval (PHI): 7 days on most vegetables.

WHO class: IV

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SINERIA HOLLAND BV
Randwycksingel 20-A015
6229 EE Maastricht The Netherlands
www.sineria.com