

OTHELLO TOP 350 SC™ is a last generation of fungicides with relatively wide ranges of spectrum against many crop disease. OTHELLO TOP 350 SC™ have excellent control in wheat, garlic, onion, chick peas, potatoes and orchards. OTHELLO TOP 350 SC™ Contains two active ingredient from different chemicals groups: Azoxystrobin, of the Strobilurins group and Difenoconazole of the Triazoles group. Spray Othello Top in the early stages of the diseases development. Make sure there is an optimal coverage of the plant.

OTHELLO TOP 350 SC™

PRODUCT BENEFITS

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

ACTIVE INGREDIENTS:

COMMON NAME: Azoxystrobin, Difenoconazole

CHEMICAL NAME:

IUPAC:

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

(Difenoconazole) cis,trans-3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether

CHEMICAL ABSTRACTS NAME

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

(Difenoconazole) 1-[2-[4-(4-chlorophenoxy)-2-chlorophenyl]-4-methyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole

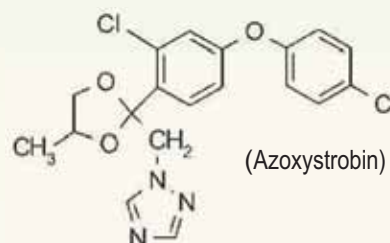
CAS RN: (Azoxystrobin) 131860-33-8 (Difenoconazole) 119446-68-3

CONCENTRATION OF ACTIVE INGREDIENT(S): Azoxystrobin: 200g/l

Difenoconazole: 125g/l

FORMULATION TYPE: SC-suspension concentrates

MOLECULAR STRUCTURE



TOXICOLOGICAL DATA

(Azoxystrobin)

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

Skin and eye: Acute percutaneous LD50 for rats >2000 mg/kg. 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: 18 mg/kg b.w. daily.

ADI : 0.1 mg/kg b.w. (EU); 0.18 mg/kg b.w. (USA)

(Difenoconazole)

Oral: Acute oral LD50 for rats 1453, mice >2000 mg/kg.

Skin and eye: Acute percutaneous LD50 for rabbits >2010 mg/kg. Non-irritant to eyes and skin (rabbits).

Non-sensitising to skin (guinea pigs).

Inhalation: LC50 (4 h) for rats ?3300 mg/m³ air.

NOEL: (2 y) for rats 1.0 mg/kg b.w. daily; (1.5 y) for mice 4.7 mg/kg b.w. daily; (1 y) for dogs 3.4 mg/kg b.w. daily.

ADI: 0.01 mg/kg b.w.

Other: Not teratogenic or mutagenic.

Sineria

Supplier:

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

PHYSICAL/CHEMICAL PROPERTIES OF SC:

Appearance: white to off-white liquid

Odour: Odourless

pH: 5-8

Shelf life: At least 2 years when stored in original unopened container.

Hazard classifications: WHO class: IV, slightly hazardous.

Practical marking: Pictograms, if and where their use is authorized.

Biological properties:

Azoxystrobin inhibits mitochondrial respiration by blocking electron transfer between cytochrome b and cytochrome c1, at the ubiquinol oxidising site. Controls pathogenic strains resistant to the 14-demethylase inhibitors, phenylamides, dicarboxamides or benzimidazoles. Difenoconazole is sterol demethylation inhibitor. Inhibits cell membrane ergosterol biosynthesis, stopping development of the fungus.

HANDLING

Keep out of reach of children. Avoid eye contact. Do not take internally. Wash thoroughly after handling and before eating, drinking, or smoking. Store product in original container. See product label for additional instructions.

RECOMMENDATION FOR USE

Crop	Disease	Dosage (ml/min.)	Spray volume (Lt per Hactre)	PHI
Potato	Alternaria	500	200-400	14
Potato	Early blight (Target Spot) and Alternaria Solani	200-300 ml per hectare		14
Potato	Late blight (phytophora Infestans)	300-400 ml per hectare		14
Onion	Stemphylium vesicarium, Downy mildew	500	200-400	21
Garlic	Stemphylium vesicarium, Rust	500	200-300	21
Chick peas	Ascochyta	500	150-300	75
Peach, nectarine, plum	Rust	0.05%		14
Ornamentals	Powdery Mildew	500 to 750ml per hectare in at least 1000 liter of water		7
Wheat	RUST, UG 99, Powdery mildew, Black spot	500ml per hectare		14

STORAGE

Keep out of reach of children. Avoid eye contact. Do not take internally. Wash thoroughly after handling and before eating, drinking, or smoking. Store product in original container. See product label for additional instructions.

DISPOSAL

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied.

The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws and regulations.

PESTICIDE LEAKAGE AND SPILLAGE

Must be absorbed in sawdust or sand, and collected using a broom and dustpan (without a touch of the hands). A spilt product, and expired product or a products spoiled during storage is a hazardous waste and must be disposed of to the toxic waste site.

FIRST AID MEASURES

In case of contact with eyes, rinse with flowing water with eyes open for at least 16 minutes and then contact a doctor. In case of spray cloud inhalation more the injured party to fresh air and contact a doctor. In case of contact with skin, remove clothing suspected of contamination and rinse well with soap and water and contact a doctor. In case of swallowing, contact a doctor immediately and show him the label. Nothing should be put into n unconscious person-s mouth.

Re entry interval (REI): 12 hours.

Pre harvest interval (PHI): 7 days on ornamentals, 14 days on potato, peach, nectarine, plum, and wheat, 21 days on onion and garlic, 75 days on chick peas.

WHO class: IV

Liability: Notwithstanding anything to the contrary herein or elsewhere contained, the Seller's sole liability shall be to replace non-conforming Product, or if the Seller shall so elect, to refund Buyer with the amount paid therefore to the Seller provided that a written claimbe received by the Seller within 14 (fourteen) days of delivery thereof to Seller. Failure on the part of Buyer to make a written claim within the time specified above shall constitute complete and final waiver by Buyer of all claims in respect of Products delivered and such Products shall be deemed, for all intents and purposes, to fully conform to agreed specifications or to the relevant samples - as the case may be. THIS WARRANTY IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED. ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY APPLICABLE TO THE PRODUCT ARE HEREBY EXCLUDED. Seller shall not be liable for any indirect, punitive or consequential damages (including loss of profit) and in no event will the Seller's liability exceed the amount actually paid to the Seller for the products in respect to which the claims are made. If any limitation of liability shall be deemed invalid by any applicable law, then the Company's liability shall be within the limitation permitted by that law.

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