



FUNGICIDE



TWO PROVEN ACTIVES, ONE SIMPLE FORMULATION

Molds and blights often threaten potato crops, but you can stop them before they spread. For the first time in history, fluazinam and difenoconazole come together as one convenient pre-mix formulation, Orbus™ ESQ. Combined, these two active ingredients work together to fight diseases like late blight and white mold throughout the entire plant by inhibiting the germination of spores and the development of infection structures.

By adding Orbus ESQ to your arsenal of IPM practices, you can rely on its multi-site activity to protect plants from infection on all fronts while helping to conquer fungicide resistance. The versatile formulation can be used as a diluted or concentrated spray mixture and can be applied by ground or air. Take the fight against blights and molds to new heights with Orbus ESQ.

KEY BENEFITS

- Relentless control of white mold and early blight control in potatoes
- Convenient pre-mix formulation
- Excellent IPM partner with its multi-site mode of action
- Provides low risk of resistance development

KEY USES

- Potatoes

PRODUCT NOTES

EPA REGISTRATION NUMBER
91234-246

ACTIVE INGREDIENT
Fluazinam 21.8%
Difenoconazole 9.5%

FORMULATION
Soluble Concentrate

FRAC NUMBER
29, 3

SIGNAL WORD
Danger

PACKAGE SIZE
2 x 2.5 gal

RESTRICTED USE
No

Refer to label for specific use restrictions.



Relevant. Simple. Reliable.

APPLICATION INFORMATION

Thorough coverage is necessary to provide good disease control. Make up no more spray solution than is needed for application. Avoid spray overlap, as crop injury may occur. Orbus ESQ may be applied with all types of spray equipment normally used for ground applications. Aerial application or application through sprinkler irrigation systems is not allowed unless specific directions are given for a crop. See the crop table, and application and calibration instructions in the product label.

ORBUS ESQ USE DIRECTIONS ON POTATO GROUP			
CROP	DISEASES	RATE PER ACRE (LB AI/A)	APPLICATION INSTRUCTIONS
Potatoes, Root and Tuber Vegetables, Tuberous and Corm subgroup 1C*,**	Late blight	9 fl oz (0.15 Fluazinam + 0.06 Difenoconazole)	For late blight and white mold control, begin applications when the plants are 6 to 8 inches tall or when conditions favor disease development. Repeat applications at intervals of 7 to 10 days. When white mold pressure is low to moderate, use 9 fluid ounces. When conditions favor moderate to high white mold pressure, increase the rate to 12.5 fluid ounces.
	White mold	12.5 fl oz (0.21 Fluazinam + 0.09 Difenoconazole)	
	Black dot	12.5 – 14.5 fl oz (0.21 – 0.24 Fluazinam + 0.09 – 0.10 Difenoconazole)	Orbus ESQ may be applied by aerial application (except in the State of New York) or through sprinkler system irrigation equipment on potatoes. See irrigation use directions in the product label. Begin applications at first sign of disease or when conditions are conducive for disease development. Apply Orbus ESQ on a 7 to 14 day schedule. Orbus ESQ can be used in blocking program using a maximum of two consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases.
	Brown spot		
	Early blight		
	Powdery mildew		
	Septoria leafspot		

Application: For best results, sufficient water volume must be used to provide thorough coverage. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 5 gal per acre of water. For chemigation, apply in 0.1-0.25 inches per acre of water. Chemigation with excessive water may lead to a decrease in efficacy. Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system.

*Includes all members of Root and Tuber Vegetables, Tuberous and Corm Crop Subgroup 1C: Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen (taro); ginger; leren; potato; sweet potato; taniar; turmeric; yam bean; yam, true; cultivars, varieties, and/or hybrids of these.

**Not for use in California.

Restrictions:

- Do not apply more than 14.5 fl oz of Orbus ESQ per acre per single application.
- Do not apply more than 64 fl oz of Orbus ESQ per acre per year.
- Do not apply more than 0.46 lb ai per acre per year of difenoconazole-containing products.
- Do not apply more than 1.82 lb ai per acre per year of fluazinam-containing products.
- Do not make more than 7 applications of Orbus ESQ per acre per year when using the lowest application rate.
- Do not make more than 4 applications per year at the maximum application rate.
- Do not apply within 14 days of harvest (14-day PHI).
- Do not apply Orbus ESQ through irrigation systems connected to a public water system.
- Minimum Application Interval: 7 days.
- In the State of New York, do not apply within 100 feet of surface water.

Refer to product label for complete application and mixing instructions.

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KEY DISEASES

Black dot
Brown spot
Early blight
Late blight
Powdery mildew
Septoria leafspot
White mold

(Refer to product label for complete list)