



# ATMOS

## 200 SC

### Mode of Action

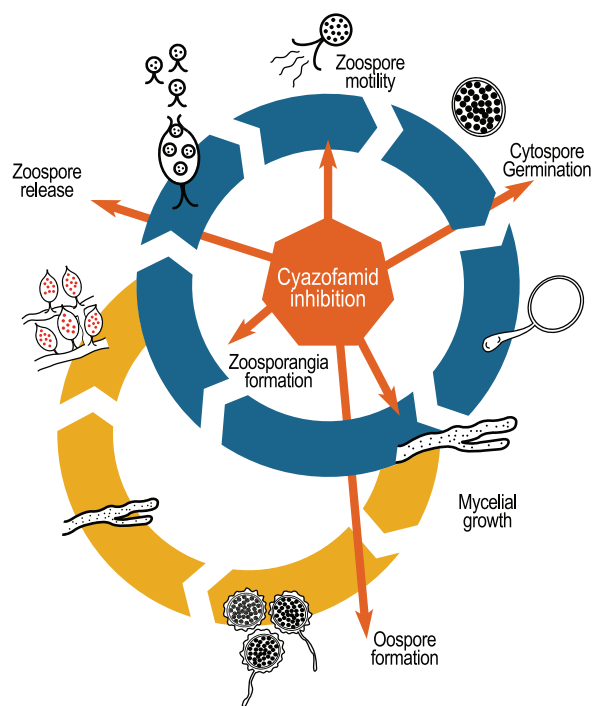
#### Active Ingredient: Cyazofamid 200 g/l SC

- Atmos 200SC is a highly effective oomycete fungicide with protective and curative action:
- Atmos 200SC inhibits all stages of the oomycete fungi biological cycle
- Atmos 200SC is effective on fungi that are resistant to other chemical classes
- Atmos 200SC prevents secondary infections due to its effective inhibition of zoospore formation on leaves
- Atmos 200SC Distribution on newly developing leaves

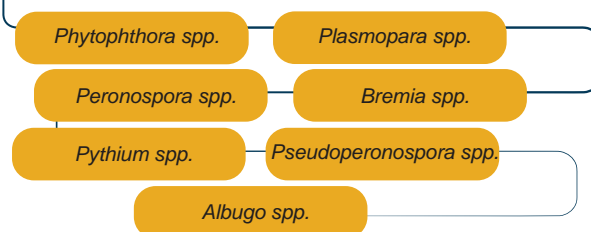
### Characteristics & Advantages

- Unique mode of action
- Prime choice for disease-resistance management programs
- Highly effective against oomycete fungi
- Safe on beneficials and IPM Compatible
- Low application rate
- Excellent protective and curative action
- Prevents fungal sporulation by disrupting the biological cycle of fungi
- Excellent rain fastness
- No phytotoxic effect
- Provides long-lasting, residual protection
- Ensures enhanced yield quantity and quality

### Biological mode of action:

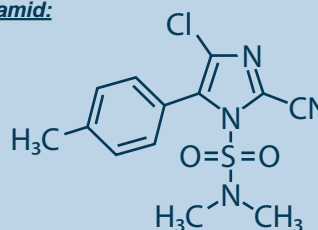


Excellent action against all oomycetes, including:



TARGET SITE AND CODE	GROUP NAME	CHEMICAL GROUP	COMMON NAME	FRAC CODE
C4 complex III: cytochrome bc1 (ubiquinone reductase) at Qi site	Qil - fungicides (Quinone Inside Inhibitors)	cyano-imidazole	cyazofamid	21
		sulfamoyl-triazole	amisulbrom	
		picolinamides	fenpicoxamid	

#### Cyazofamid:



- Qil - fungicides (Quinone inside Inhibitors)
- Cyazofamid controls oomycete fungi by respiratory inhibition at Complex III in the mitochondria.
- FRAC Code: 21
- Target Site and Code: C4: Complex III – cytochrome bc1 (ubiquinone reductase) at Qi site.

**Always alternate fungicide application with different mode of action to prevent resistance development!**

#### Rate of Application

CROPS	DISEASE	APPLICATION RATE
Vegetables: Tomatoes, Cucumbers, Melons, Onions, Carrots	Downy mildew, Late blight, Damping-off ( <i>Pythium</i> sp.)	400 - 600ml/Ha
Potatoes	Downy mildew, Late blight, Damping-off ( <i>Pythium</i> sp.)	400 - 600ml/Ha
Fruits: Apples, Citrus, Pears	Downy mildew, Late blight	400 - 600ml/Ha
Ornamentals	Downy mildew	400 - 500ml/Ha

#### Directions for use

Atmos 200SC should be mixed with water before it is applied to the crop. It may be applied with many types of spraying equipment.

- Utilize a higher application rate at severe disease pressure.
- Preferably apply Atmos 200SC in the onset of the disease development.
- Ensure optimal plant coverage when applying Atmos 200SC.

#### Field Trials

Extensive field trials and commercial applications have proven the efficacy of Atmos 200SC



In Kenya (2019) Atmos 200SC was tested for the control of downy mildew (*Peronospora sparsa*) in roses

The results are depicted in the following graph:

#### Effect of ATMOS 200 SC on downy mildew control

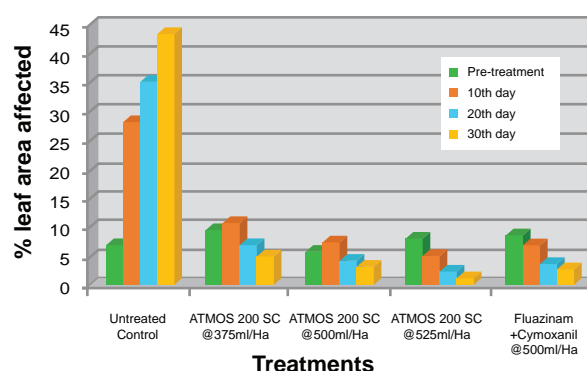


Figure: Mean % roses leaf area affected with downy mildew