

# Winning the Battle Against White Mold



 **ORO-RZ**

THE SHIELD *BELOW*

 **PREV-AM**

THE SWORD *ABOVE*

 **Rovensa  
Next**

Let's grow greener

# Know Your Soybean Crop Enemy

## Understanding the Threat: *Sclerotinia sclerotiorum*

White mold is one of the most persistent, yield-robbing pathogens in Midwest and Northeast soybean fields. Understanding how it works is the first step to stopping it in its tracks.



### 1. Dormancy & Survival

Sclerotia act like dormant landmines buried in your soil — surviving for years, waiting for the right conditions to strike. Once triggered, they're ready to launch a new wave of infection.



### 2. Spore Release & Spread

Apothecia emerge as hidden outposts, releasing airborne spores that infiltrate soybean canopies through vulnerable bloom tissue. By the time you see symptoms, the attack is already underway.



### 3. Infection & Plant Damage

The fungus breaches the plant's defenses at its weakest point — senescing petals during flowering — then working inward, destroying plant structure and robbing yield potential.



### 4. Persistence & Proactive Management

Sclerotia from infected plants return to the soil, surviving for years—complicating eradication and rearming fields for future seasons. Once infection takes hold, options are limited; acting early provides a strategic advantage.

# Conditions for a Crop Ambush

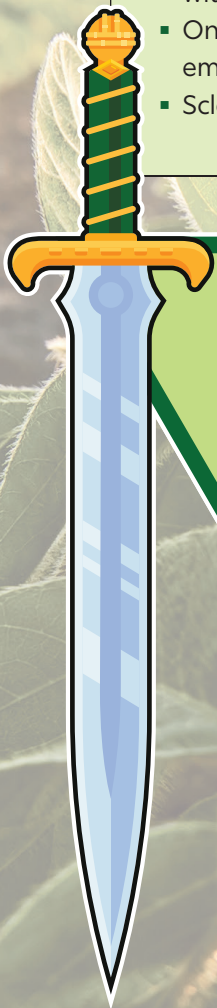
## White Mold Waits — Then Strikes Fast

White mold is one of the most persistent, yield-robbing pathogens in Midwest and Northeast soybean fields. Understanding how it works is the first step to stopping it in its tracks.

### Critical Window:

#### R1 Flowering — late June/July (Midwest) | mid-July (Northeast)

- Cool temps + moisture + dense canopy = perfect ambush conditions.
- Apothecia are the trigger: ground-level spore launchers are easy to miss under dense canopies without targeted scouting.
- Once petals drop and decay, the entry point is open. Timing your response to apothecia emergence is everything.
- Sclerotia left behind re-arm the field for next season. Break the cycle or fight it again.



**PREV-AM** + **ORO-RZ**

**PATHOGEN**

*Sclerotinia sclerotiorum*

**ENVIRONMENT**

*Cool, Moist*

**DISEASE TRIANGLE**

**HOST**

*Soybean*



# The White Mold Battle Formation

## Soil-to-Canopy Defense — the Sword Above and the Shield Below



### THE SHIELD

## ORO®-RZ

#### ROLE

Environmental shield that denies white mold the conditions it needs.

#### TIMING

Pre-emergence & layby — 2 pt/ac

#### ADVANTAGE

- Boosts soil-applied chemistry performance with OROWET® Technology
- Builds soil microbiome diversity and improves root zone conditions



### THE SWORD

## PREV-AM®

#### ROLE

Direct strike attacking sclerotinia sclerotiorum at the canopy.

#### TIMING

R1-R3 with post herbicide/fungicide pass — 8-12 oz/ac

#### ADVANTAGE

- Knocks down disease fast
- Combines the power of a contact fungicide, insecticide and miticide in one EPA-registered product
- Improves canopy penetration and spray coverage with OROWET® Technology

### THE ROVENSA NEXT WHITE MOLD SYSTEM IN PLAIN TERMS

**ORO®-RZ (The Shield):** Alters the field environment. Suppresses sclerotia germination. Reduces apothecia. Fewer launchpads = fewer spores = lower infection pressure over time.

**PREV-AM® (The Sword):** An EPA-registered pesticide with direct pesticidal effect on the pathogen at the canopy. Knocks down what the Shield doesn't stop.

# ORO®-RZ Doesn't Kill White Mold. It Disarms It.

ORO®-RZ

It started with an observation. A field with heavy white mold pressure — recurring losses, season after season — was brought into an ORO®-RZ pre-emergence program. A trend emerged: fewer apothecia, less white mold. A problem field was becoming a non-problem.



The conclusion was hard to ignore. ORO®-RZ was interfering with sclerotia germination, the step that launches the entire infection cycle.

*"Less apothecia in the field resulting in reduced incidence of White Mold. ORO®-RZ appeared to be reducing the sclerotia's ability to germinate."*

— Fran Campbell  
Technical Development Coordinator  
Rovensa Next

## What This Means — And Why It Matters

ORO®-RZ is not a pesticide. It does not kill the pathogen. What it does is alter the soil environment in a way that suppresses the conditions sclerotia need to germinate and produce apothecia, the launchpads for airborne infection.

That distinction is important. *Sclerotinia sclerotiorum* is the same organism, whether it's attacking soybeans, dry beans or peanuts. The disease complex works the same way regardless of host or geography. Which means, wherever white mold is a threat, the ORO®-RZ mechanism is relevant.

## But a Shield Alone Doesn't Win the Battle

ORO-RZ reduces the pressure, it doesn't eliminate it. Sclerotia that germinate produce spores that can reach the canopy at R1 flowering, the infection window is still open.

### That's Where PREV-AM® Steps in as the Sword.

PREV-AM® desiccates on contact, physically destroying fungal spores and mycelium at the canopy. It penetrates deeper into a dense R1–R3 canopy than standard coverage allows, putting the active exactly where white mold tries to take hold.

PREV-AM®



Both products in the Rovensa Next White Mold system are powered by patented OROWET® Technology.



## ORO-RZ + OROWET® Technology

- ✓ Improves soil wetting and penetration for uniform distribution through the soil profile which means no weak spots in your pre-emergence defense.
- ✓ Ensures partner chemistries, like soil-applied fungicides and pre-emergence herbicides, reach their target zones consistently.



## PREV-AM + OROWET® Technology

- ✓ Drives actives deep into dense R1-R3 canopies where white mold pressure is highest.
- ✓ Improves penetration for more uniform coverage across the spray zone.
- ✓ Enhances spray performance with excellent compatibility and emulsification.

### SOYBEAN APPLICATION TIMING AT A GLANCE

TIMING	GROWTH STAGE	PRODUCT	RATE
PRE-EMERGENCE	PLANTING	ORO-RZ	2 pt/ac
CRITICAL WINDOW	R1-R3 FLOWER	PREV-AM	8-12 oz/ac



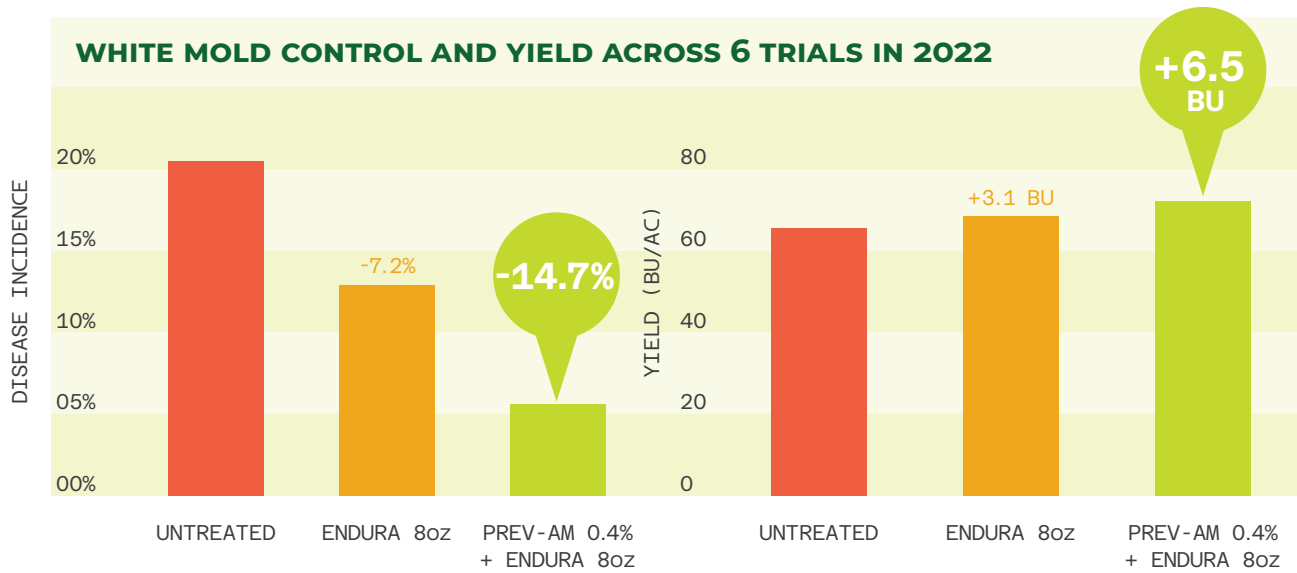
*"It was working, it was killing the white mold...it's hard to find anything wrong with this product, it just seems to work."*

— Grower

Scan the QR Code to hear how a Midwest soybean grower stopped white mold spread and protected his yield with PREV-AM.

# The ROI Of Protection

## Decreased Disease + Yield Protected is Revenue Earned



## Spore Diseases – Physical Mode of Action (Desiccation)

0 DAYS

7 DAYS

24 DAYS



# Are You Ready to Arm Your Fields?

ORO®-RZ and PREV-AM® are available through your local Rovensa Next retailer.

Ask your agronomist about integrating the Shield + Sword program into your 2026 soybean plan before white mold conditions build.

**Rovensa Next** delivers a **comprehensive portfolio of Biosolutions** across crop protection, nutrition, soil health and adjuvants—powered by proprietary technologies designed for real-world performance. Developed in partnership with growers and retailers, these solutions improve efficiency, simplify programs and drive consistent crop performance.



- **Advanced adjuvant with OROWET® Technology** for soil applied pesticides and nutrients



- **Improves performance of soil applied chemistries** like fungicides or reemergence herbicides



- **Promotes pathogen-fighting bacteria** that decrease disease potential

- **Increases diversity of microbes in the soil**



- **Enhances overall soil health** by improving moisture and conditions for root development

- **Improves water infiltration and lateral movement**



- **PREV-AM® is a versatile EPA-registered pesticide**



- Functions as a contact, non-residual **Fungicide, Insecticide, and Miticide**



- **Boosted with OROWET® Technology** for superior compatibility, improved coverage, better canopy penetration, and more uniform spray solution applications



- **0 Days pre-harvest interval (PHI).** 24 hour restricted-entry interval (REI)

- **Fast acting and quick knockdown**



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THE SHIELD BELOW

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For more information contact your local representative or visit [rovensanext-na.com](http://rovensanext-na.com)

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