SymAgro

FRAC Group BM01 | MOA Multi-Site

ProBlad® Verde

ELEVATE DISEASE MANAGEMENT

High-performing fungicide that can rapidly cure existing disease and prevent future infections. ProBlad® Verde fungicide does both and is locally systemic to provide extended protection.

Powered by the exclusive BLAD polypeptide technology, ProBlad® Verde is a category-defining fungicide that harnesses an unprecedented mode of action to defend crops from damaging diseases with no MRL restrictions.

BROAD SPECTRUM FUNGICIDE AND BACTERICIDE

- Alternaria
- Botrytis
- Brown rot blossom blight
- Fire blight
- Phomopsis leaf spot
- Powdery mildew
- Rhizopus fruit rot
- Rust
- Scab
- Sclerotinia
- Shot hole

**See label for full list

FOR USE ON

- Almonds
- Berries
- Brassica
- Coffee
- Cucurbits
- Fruiting vegetables
- Grapes
- Herbs
- Hops
- Leafy vegetables
- Pome fruit
- Stone fruit
- Strawberries
- Tomatoes

KEY FEATURES AND BENEFITS

- ✓ Delivers curative and preventative control
- ✓ Protects both sides of leaf tissue through locally systemic, or translaminar, movement
- ✓ Unprecedented multi-site mode of action
- ✓ Controls all active disease life cycle stages, including spores
- ✓ Curative/reach-back activity for up to 7 days
- ✓ Quick absorption for up to 7-14 days protection
- ✓ Provides 10-14 day spray interval
- ✓ Easy tank mixing or used as a standalone
- ✓ Breaks disease resistance
- ✓ Residual disease control without traceable residue
- ✓ Pollinator safe – Blossom safe – IPM safe

FLEXIBLE APPLICATION | 4-HOUR REI | 1-DAY PHI | LOCALLY SYSTEMIC | CURATIVE AND PREVENTATIVE | MRL EXEMPT | UP TO 7-14 DAYS PROTECTION

EFFECTIVE TOWARD ALL IN-SEASON LIFE STAGES OF DISEASE

IN-SEASON DISEASE LIFE STAGES CONTROLLED BY PROBLAD® VERDE			OVERWINTERING LIFE STAGES
SPORU-LATION	SPORES CONIDIA AND ASCOSPORES HYPHAE AND MYCELIUM	HAUS-TORIA	ASCOSPORES INSIDE THE ASCUS CHASMOTHECIA
Prevents / Stops	High Contact Activity	High Activity	Efficacy not Expected

RECOMMENDED USAGE AND RATES

Use 25-32 oz/acre for preventative applications when disease is expected but not yet visible in periods of low disease pressure. A higher rate should be used for longer duration of prevention or when active disease is present, or disease pressure is high. Up to 5 applications per season.

MODE OF ACTION TIMELINE

MOA

0-1 HOURS

ACTION

Crosses cell wall (Chitin Affinity)

Crosses cell membrane (Lectin Activity)

FUNCTION

Negative effects on nutrient transport, metabolism, cell wall synthesis and cell division systems

1-4 HOURS

ACTION

Disturbs and weakens pathogen cells

FUNCTION

Cell division is stopped

4-8 HOURS

ACTION

Enters Cytoplasm

FUNCTION

Metal scavenging activity, with effect on fungal cell divalent cations

Blocks cell metabolism

Disables enzymatic activity

8-12 HOURS

ACTION

Oxidative stress (production of ROS)

FUNCTION

Apoptotic cell death

BLAD is able to block several metabolic pathways, as these cations are essential co-factors for many enzymes that will be inactivated in their absence. By affecting different metabolic reactions, it targets different metabolic pathways, resulting in a multi-site mode of action. An oxidative stress is then generated inside the cells leading to an apoptotic fungal cell death.

PREVENTATIVE	CURATIVE AND PREVENTATIVE	ERADICANT

BIOLOGICAL FUNGICIDES

CONTACT FUNGICIDES (NON-BIOLOGICAL)

PROBLAD® VERDE (TRANSLAMINAR/LOCALLY SYSTEMIC)

SYSTEMIC FUNGICIDES

LEARN MORE AT SYM-AGRO.COM

Important: Always read and follow label instructions.

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