FUNGICIDE

ADAMA

BUMPER® 432 EC

Broad-spectrum systemic fungicide widely used at herbicide timing in cereals for economical early protection.

GROUP 3

Low VOC
FORMULATION TECHNOLOGY

Active Ingredient
Propiconazole 432 g/L = EC

Packaging
Case: 2 x 4.8 L jugs

Application Rates & Acres Treated
Rate: 60 – 180 ml/ac
Acres Treated: 27 – 80 ac/jug

Water Volume
Ground: min 80 L/ac
(20 US gal/ac)
Aerial: 16 – 20 L/ac
(4 – 5 US gal/ac)

Rainfastness
1 hour

Protect your yield and quality and give yourself the chance for a BUMPER crop

BUMPER® 432 EC is a broad-spectrum systemic fungicide that protects against yield and quality losses due to leaf disease. BUMPER® 432 EC is registered for application at both early-season herbicide timing and flag leaf timing in wheat and barley, as well as protects canola from blackleg and corn and beans from leaf disease.

WHEN DOES IT MAKE SENSE TO USE BUMPER® 432 EC AT HERBICIDE TIMING?

- To control early season disease pressure on tight cereal rotations (wheat on wheat stubble, etc.);
- When there was high disease pressure the previous season;
- If you have a wet, warm environment conducive to high disease pressure;
- When there is a presence of leaf diseases early in the season;
- To protect a good crop with high yield potential;
- When commodity prices are high, an early application of BUMPER® 432 EC can be viewed as low cost insurance to help achieve a high yielding, high quality crop.

REGISTERED CROPS

- Apricots
- Barley
- Blueberries (lowbush, highbush)
- Canola
- Cherries (sweet, sour)
- Corn
- Cranberries
- Caneberries
- Dry edible beans
- Nectarines
- Oats
- Peaches
- Plums
- Saskatoon berries
- Soybeans
- Wheat (spring, winter)

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KEY DISEASES CONTROLLED

- Black knot (suppression)
- Blackleg
- Brown rot
- Cherry Leaf spot
- Cottonball
- Mummy berry
- Net and spot blotches
- Powdery mildew
- Rusts
- Septoria spots and blotches
- Scalds
- Tan spots
- Yellow rust

APPLICATION TIMING AND CROP STAGING

Crop	Diseases	Timing
½ rate at 60 ml/ac		
Barley	Net blotch	Early: Growth stage 12 – 23, as early as the 2-leaf stage
Wheat	Septoria leaf spot, Tan spot	
Full rate at 120 ml/ac		
Barley	Leaf and stem rust, Septoria leaf spot, Net blotch, Powdery mildew, Scald, Spot blotch	Early: Growth stage 29 – 37, at the first sign of disease, usually at the beginning of stem elongation Later: Growth stage 49 – 55, before head is ½ emerged
Oats	Crown rust, Septoria leaf blotch	
Wheat	Leaf and stem rust, Powdery mildew, Septoria glume blotch, Septoria leaf spot, Stripe rust, Tan spot	
Canola	Blackleg	Rosette stage, between 2nd true leaf and bolting
Corn	Eye spot, Grey leaf spot, Helminthosporium leaf spot, Northern corn leaf blight, Rusts, Southern corn leaf blight	When disease first appears
Soybeans (for seed)	Frogeye leaf spot, Aerial web blight	When disease first appears. Under severe disease pressure, make a 2nd application 14 days after the first.
Dry edible beans	Rust	At the first detection of disease and a 2nd application 14 – 21 days later

FRUIT AND SPECIALTY CROP USES

Crop	Diseases
Asparagus	Rust
Cranberries	Cottonball
Blueberries (highbush, lowbush)	Mummy berry
Kentucky bluegrass grown for seed	Powdery mildew
Peaches, Nectarines, Plums, Apricots	Brown rot blossom blight, Fruit brown rot
Plums, Sour cherries	Black knot (suppression only)
Rutabagas	Powdery mildew
Saskatoon berries	Entomosporium leaf and berry spot, Saskatoon juniper rust
Sweet and sour cherries	Brown rot blossom blight, Fruit brown rot, Cherry leaf spot
Western red cedar	Keithia foliar blight

BUMPER® 432 EC

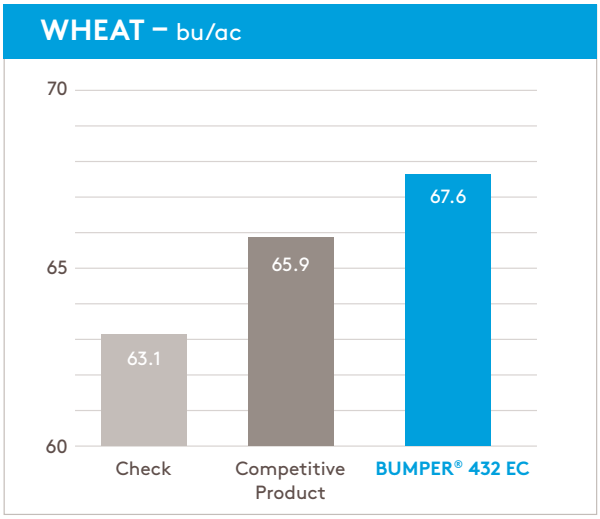
HOW IT WORKS

Broad-spectrum, systemic activity with excellent leaf surface protection and translocation within the plant for additional disease prevention.

BUMPER® 432 EC BENEFITS IN CEREALS

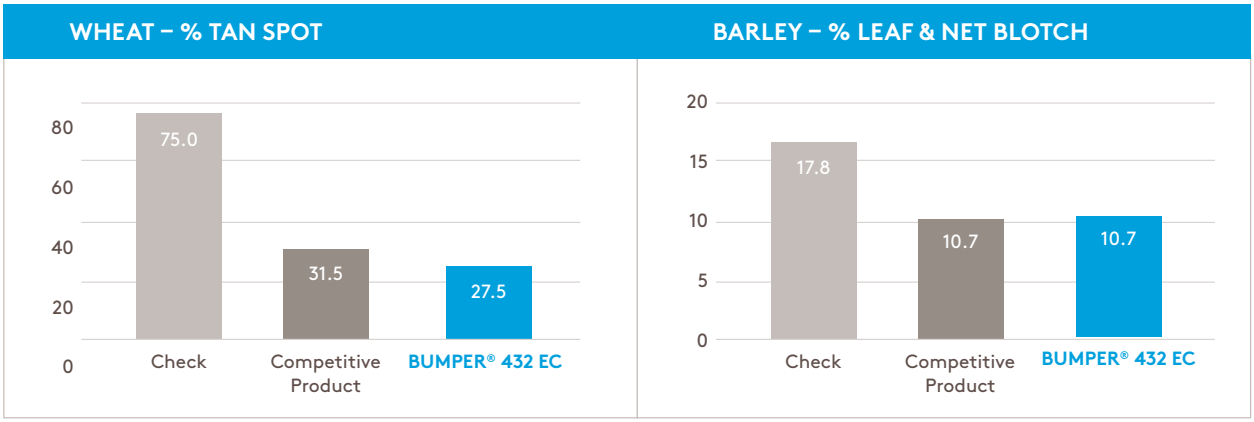
1. Stops disease progression and adds protection.
2. Controls a wide spectrum of leaf and stem diseases.
3. Active ingredient, Propiconazole, belongs to a fungicide family with lower resistance potential than other fungicide groups.
4. Proven return on investment from higher crop yields, even at the half rate applied early.
5. Ease of use with popular herbicides including 2,4-D ESTER 700, MCPA ESTER 600, BROMOTRIL®, and BADGE®.
6. Proven to be gentle on the crop.

PROVEN YIELD INCREASE



Replicated independent wheat field trial with above average disease pressure. Our data shows even in low to average disease pressure, BUMPER® 432 EC has yield benefits.

DISEASE CONTROL



Replicated independent field trial in wheat and barley.

Orchestrated Leaf Disease Control

Made just for cereals, our portfolio of fungicides are formulated to help you manage some of the most damaging leaf diseases. Use this guide to help you determine the best product and spray timing for your crop, for disease protection when you need it most.

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SUPPORTED TANK MIXES

Herbicides:

- 2,4-D ESTER 700
- BADGE®
- BROMOTRIL®
- MCPA ESTER 600

Insecticide:

- SILENCER® 120 EC
- ZIVATA™

MIXING INSTRUCTIONS

1. Fill spray tank ½ full with water and gently agitate.
2. Add the required amount of BUMPER® 432 EC and agitate thoroughly.
3. Continue filling the tank with water until the tank is ⅘ full and, if applicable, add the required amount of tank-mix partner.
4. Complete filling the spray tank with water, maintaining agitation during mixing and spraying operations.

CROP ROTATIONS

No restrictions

PRE-HARVEST INTERVALS

Beans: 28 days
Canola: 60 days
Cereal crops (wheat, barley, oats): 45 days
Corn: 14 days
Soybeans: 50 days

GRAZING RESTRICTIONS

Do not graze livestock within 3 days of spraying.

STORAGE

May be stored at any temperature.

Quick Tips

BUMPER® 432 EC should be applied as a preventative disease control measure. Established diseases are more difficult to control and may have already reduced crop vigour.

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Always read and follow label directions.
1.855.264.6262 ADAMA.COM