



ADAMA

BUMPER® 432 EC

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



FUNGICIDE

Fungicide Group:

Group 3

Active Ingredient:

Propiconazole 432 g/L = EC

Application Rates and Acres Treated:

Rate: 60–120 ml/ac

Acres Treated: 40–80 ac/jug

Packaging:

Case: 2 x 4.8 L jugs

Water Volume:

Ground: 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

KEY DISEASES CONTROLLED:

Canola:

- Blackleg

Cereal:

- Crown rust (oats)
- Net & spot blotches
- Powdery mildew
- Septoria spots and blotches, scalds
- Stem & leaf rust
- Stripe
- Tan spot

Corn:

- Eye spot
- Leaf spot
- Northern & Southern corn leaf blight

Dry Edible Beans:

- Rusts

Soybeans:

- Aerial web blight
- Frogeye leaf spot



BUMPER® 432 EC

HOW IT WORKS:

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

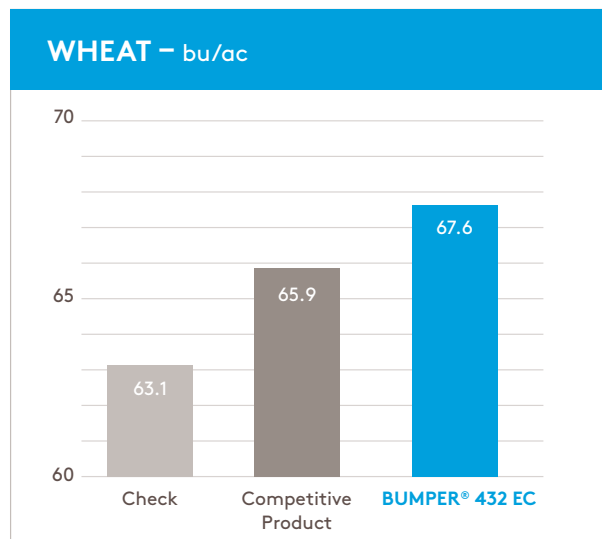
BUMPER® 432 EC BENEFITS IN CEREALS:

1. Two growth stage application timings to protect wheat and barley from leaf and stem diseases.
 - a. Early season disease control at herbicide timing
 - b. At flag leaf emergence which protects the yield of the crop
2. Stops disease progression and adds protection.
3. Controls a wide spectrum of leaf and stem diseases.
4. Active ingredient Propiconazole belongs to a fungicide family with lower resistance potential than other fungicide groups.
5. Proven return on investment from higher crop yields, even at the half rate applied early.
6. Convenient 80 acres per jug application rate at herbicide timing.
7. Ease of use with popular herbicides including LADDER ALL IN®, 2,4-D, MCPA, BROMOTRIL®, BRAZEN™ II and BADGE®.
8. Proven to be gentle on the crop.

BUMPER® 432 EC VS COMPETITIVE PRODUCT

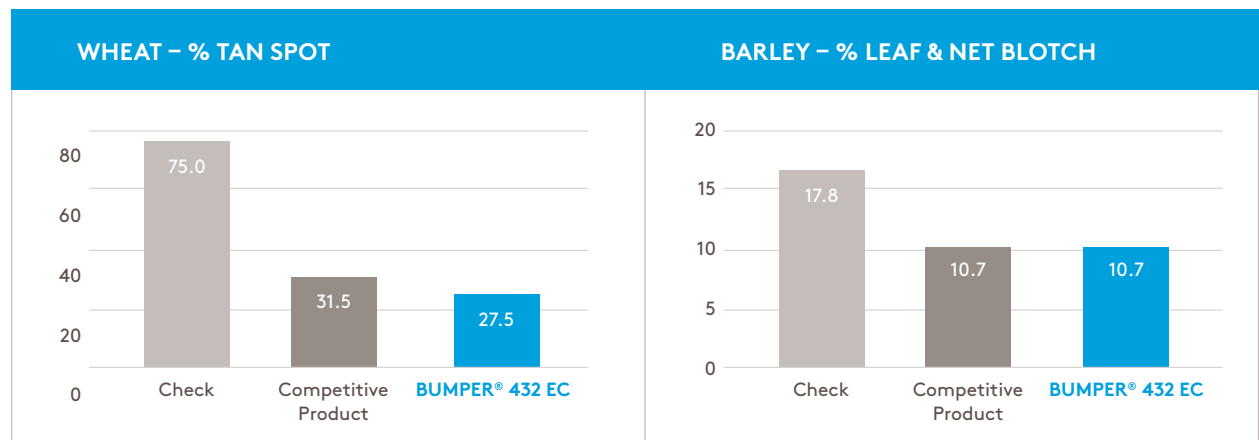
Results at Early Season Herbicide Timing (60 ml/ac.)

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.

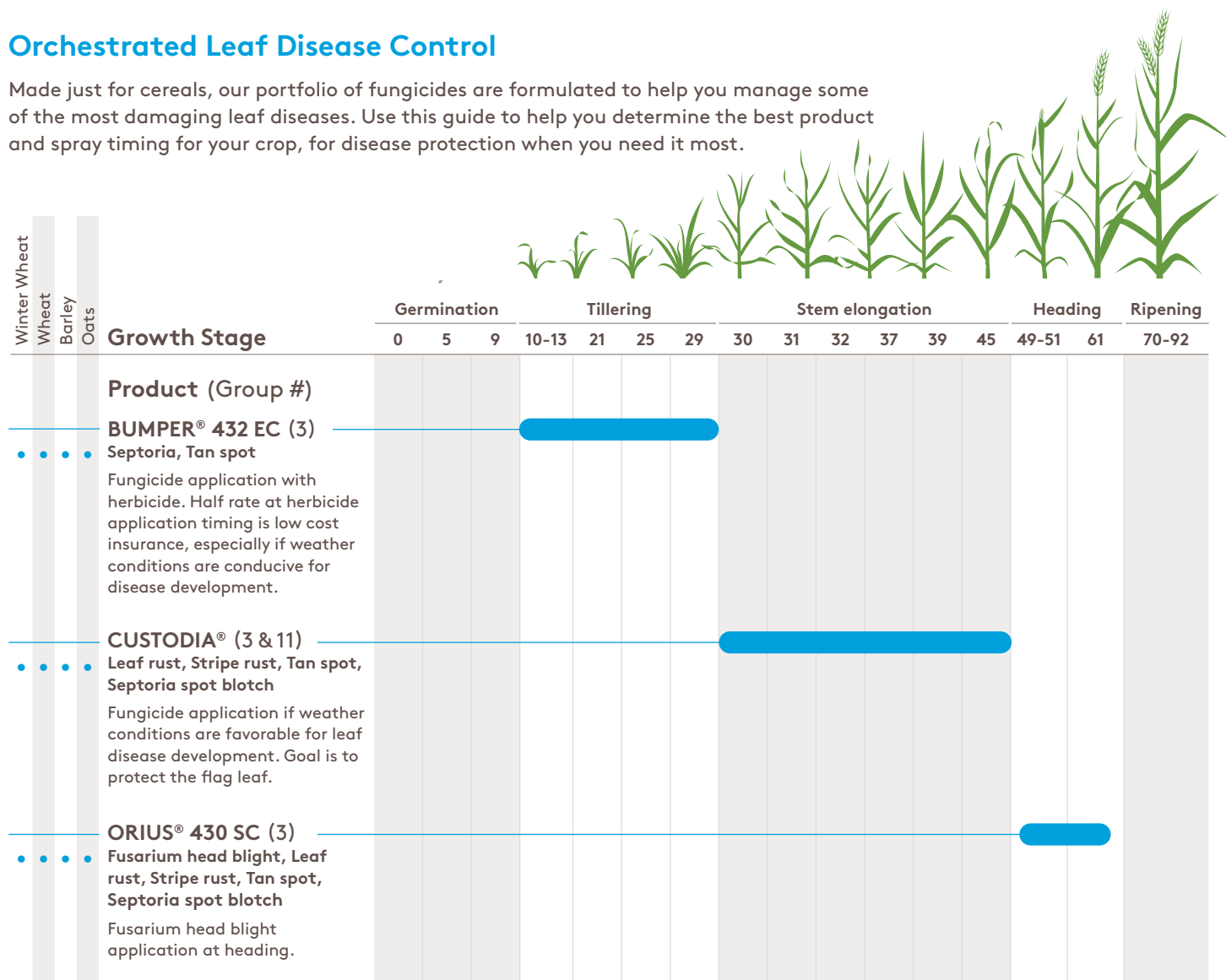
BUMPER® 432 EC

REGISTERED CROPS AND STAGING:

Crop	Diseases	Application Timing	Rate
Barley	Net blotch	Early: Growth stage 12 – 23, as early as the 2-leaf stage.	½ rate at 60 ml/ac
Wheat	Septoria leaf spot, Tan spot		
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.	Full rate at 120 ml/ac
Oats	Crown rust, Septoria leaf blotch		
Wheat	Leaf and stem rust, Powdery mildew, Septoria glume blotch, Septoria leaf spot, Stripe rust, Tan spot	Later: Growth stage 49 – 55, before head is ½ emerged.	
Canary seed	Septoria leaf mottle	At emergence of the flag leaf.	
Canola	Blackleg	Rosette stage, between 2 nd 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 2 nd application 14 days after the first.	
Dry edible beans	Rust	At the first detection of disease and a 2 nd application 14 – 21 days later.	

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.





BUMPER® 432 EC

SUPPORTED TANK MIXES:

Herbicides:

- Wheat and barley:
 - 2,4-D Amine
 - 2,4-D Ester 700
 - BADGE®
 - BRAZEN™ II
 - BROMOTRIL®
 - MCPA Amine
 - MCPA Ester 600
- Wheat only:
 - LADDER ALL IN®

Insecticides:

- SILENCER® 120 EC

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 ¾ 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.



Always read and follow label directions.
Toll-free: 1.855.264.6262
Website: ADAMA.COM

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