

# BUMPER® 432 EC

For control of blackleg in canola.



**GROUP 3** 

#### **Active Ingredient:**

BUMPER® 432 EC

Propiconazole 432 g/L = EC

2 x 4.8 Litres

### **Application Rates** and Acres Treated:

Rate: 60-120 ml/ac

Acres Treated: 40-80 ac/jug

#### Packaging:

Case: 2 × 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



CLICK HERE FOR FULL PRODUCT DETAILS.

## Protect your yield and quality and give yourself the chance for a "Bumper" crop

As our industry continues to better understand blackleg in canola, a recently released study has indicated that damage, whether by flea beetles or environmental, at the cotyledon stage increased the amount of blackleg present.<sup>1</sup>

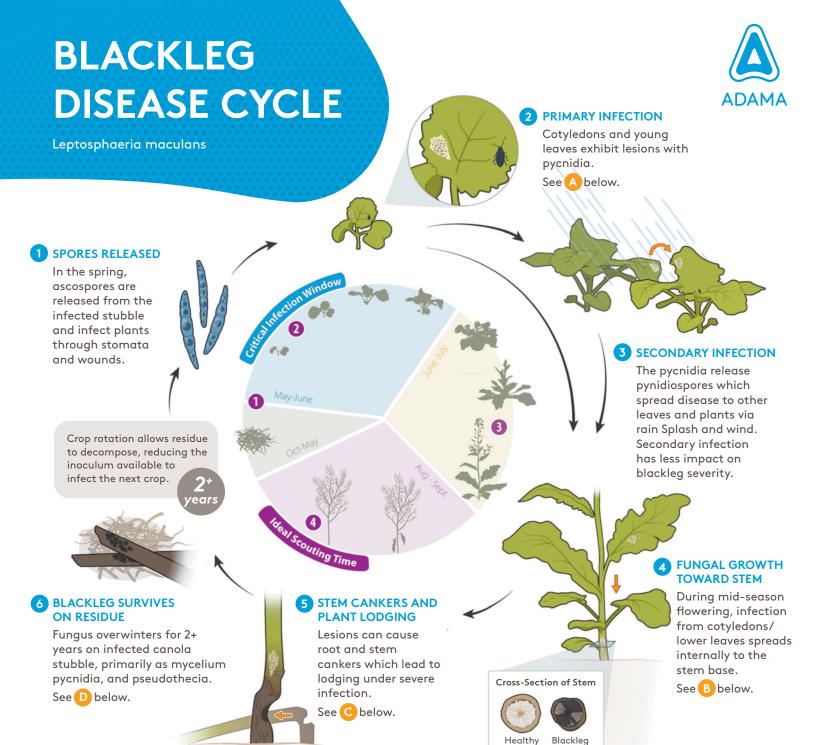
REPLACES	Tilt, Pivot, Fitness
CROP STAGING (NO TANK MIX)	Rosette stage, between 2 <sup>nd</sup> true leaf and bolting.
KEY PESTS CONTROLLED	Blackleg
PEST STAGING	N/A
TANK MIX OPTIONS	SILENCER® 120 EC or ZIVATA™
MIXING INSTRUCTIONS	BUMPER® 432 EC SILENCER® 120 EC or ZIVATA™
RE-ENTRY PERIOD	24 hours
PRE-HARVEST INTERVAL	60 days
ADDITIONAL INFO	BUMPER® 432 EC will control blackleg and enhance yield potential during the early stages of canola growth. The disease may reappear later in the season, but with minimal effect on yield.

<sup>1</sup>Canadian Agronomist. (May 17, 2022). Canola cotyledon wounds contribute to blackleg disease.



/i Always read and follow label directions.







#### **SCOUTING**

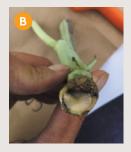
The main blackleg disease scouting periods are:

- 1 prior to planting
- 2 cotyledon to two-leaf stage
- 3 flowering stage
- 4 ripening stage to post-harvest

#### SYMPTOMS OF BLACKLEG DISEASE IN CANOLA PLANTS:



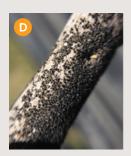
Early stages present as lesions with pycnidia (black specks) on the leaves.



The stem displays varying degrees of black, as seen in cross-section.



Late stages present with root and stem cankering (shrunken, pinched areas).



Pseudothecia and pycnidia can be seen on old canola stubble.