

# Introducing the New Standard for Disease Control and Resistance Management in Chickpeas

## **Broader**

Provysol<sup>™</sup> fungicide's isopropanol link provides flexibility, driving:

- Wide crop fit
- Broad disease spectrum
- Control of DMI resistant strains\*

## Stronger

Provsyol fungicide's fast uptake and greater flexibility results in:

- Immediate and powerful protective action
- Excellent rainfastness
- Enhanced binding strength and exceptional activity

# Longer

Provsyol fungicide properties provide exceptional residual activity.

- Inner leaf reservoirs allow for metered release
- Low water solubility allows for consistent translocation
- High potency and slow release give longer control than other DMIs



## Provysol fungicide is a revolutionary new disease management tool for chickpea growers.

\*Independent university research has shown control of DMI-resistant pathogens with Provysol fungicide in various crops, including apples, sugarbeet, and wheat.

## **Provysol Fungicide Yield Impact**



BASF sponsored trial. 2018; NDSU CREC; Michael Wunsch; Carrington, ND. Variety: CDC Frontier. Target Disease: Ascochyta. Plots were planted on April 29. Applications made on 6/16, 6/26, 7/9, and 7/21. All applications used an NIS at 0.125% v/v.

#### First and Only Isopropanol Azole

Isopropanol link is unique to Provysol fungicide



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# **Recommendations for Chickpea**

- Target Disease: Ascochyta blight
- 1st Application: Provysol<sup>™</sup> Fungicide (Group 3 DMI)
  - Bloom initiation or as soon as disease develops
- 2nd Application: Priaxor<sup>®</sup> Fungicide (Group 11 & 7)
  10-14 days after last application
- Continue to rotate Provysol & Priaxor fungicides on 10-14 day intervals if conditions conducive to disease persist
- Use Rate: 3 5 fl oz/A
- Optimal Spray Volume: Enough for complete coverage. 20 GPA (ground) or 5 GPA (aerial)
- Maximum Rate/ Season: 15 fl oz/A
- Adjuvant Use: NIS @ 1 pt/100 gal
- PHI: 21 days

#### Ascochyta Blight Symptoms on Chickpea Pods



Photo Credit: Michael Wunsch, North Dakota State University



To learn more about crop protection products from BASF, visit www.agproducts.basf.us



Untreated



Provysol fungicide (3.5 fl oz/A)

Photo Taken: 7/22/2019 after two applications of Provysol Fungicide.

### Provysol Fungicide Efficacy Trial – Chickpea



BASF sponsored trial, Sidney, MT. 2018 & 2019; NDSU CREC; Michael Wunsch; Carrington, ND. Variety: CDC Frontier. Target Disease: Ascochyta. 2018: 4 applications made on 6/16, 6/26, 7/9, and 7/21. 2019: 5 applications made on 6/19, 6/30, 7/13, 7/27, and 8/8. All applications used an NIS at 0.125% v/v.





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