

# Headline AMP<sup>®</sup>

Fungicide

## How does Headline AMP<sup>®</sup> Fungicide Impact Corn Yield at High Planting Density?

### Headline AMP Fungicide Provides the Benefits of Plant Health

- Disease control
- Growth efficiency
- Stress tolerance

**Reducing stress during grain fill is critical to maximizing yields and protecting a season worth of investment.**

#### Impact of Density Stress

- From 1990 to 2016, corn growers have increased planting densities by approximately 30% to drive yield increases
- As density increases, competition for resources and disease pressure also increase, resulting in density stress
- Density stress minimizes yield potential

#### Trial Objectives

1. Can fungicide application help mitigate the yield impact of high density stress?
2. What corn yield components respond to fungicide treatment under high planting density?

#### Trial Design

- BASF small-plot corn trial, Iowa, 2016
- RCB design, 4 replicates
- Two hybrids (not commercially available)
- 38,000 plants/acre
- 10 fl oz/A Headline AMP Fungicide at VT
- Yield and trait phenotyping

#### Best Use Recommendations

- Use Rate: 10 to 14.4 fl oz/A
- Labeled Crops: Corn (all types)
- Aerial: 2 GPA minimum; Ground: 10 GPA minimum
- PHI: 20-days for field and popcorn grain; 7-days for seed and sweet corn
- REI: 12 hours
- Adjuvant flexible; however, see label for adjuvant restrictions after the V8 stage and prior to the VT stage of corn growth

#### Target Diseases

- Anthracnose, Eyespot, Gray leaf spot, Northern corn leaf blight, Northern corn leaf spot, Physoderma brown spot, Rust: Southern and common, Southern corn leaf blight and Yellow leaf blight



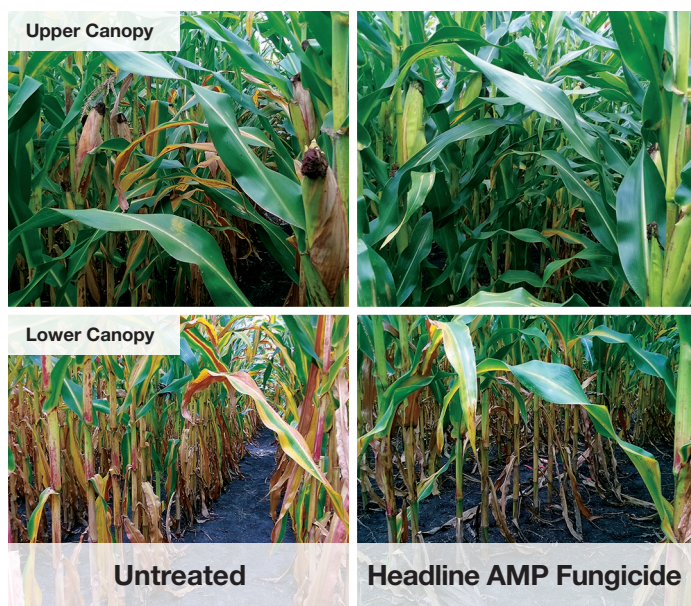
**Trial results show that Headline AMP fungicide can minimize the impact of density stress on yield.**

**■ - BASF**

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**Technical Information Bulletin**

## Headline AMP® Fungicide Improved Canopy Health



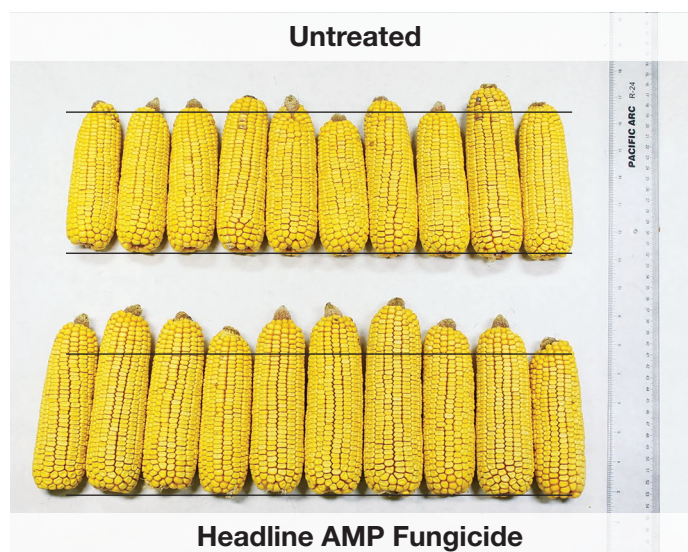
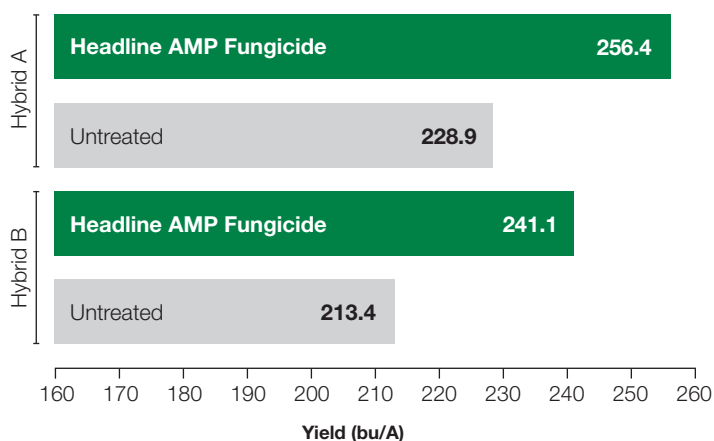
BASF small-plot corn trial, Iowa, 2016 (RCB design, 4 replicates). Headline AMP fungicide applied at VT at 10 fl oz/A. Canopy photos taken 50 DAT. All photos and data found on this page were generated from this trial.

## Headline AMP Fungicide Positively Impacted Multiple Corn Yield Components

Trait	Hybrid A	Hybrid B
Canopy health		
Stay green		
Ears per acre		
Ear length & width		
Rows per ear		
Kernels per row		
Total kernel number		
Total kernel weight		

■ Headline AMP fungicide had no impact on the listed trait  
■ Headline AMP fungicide had a strong, positive impact on the listed trait

## Headline AMP Fungicide Increased Yield by over 10%



## Trial Summary

- Headline AMP fungicide can improve yield by helping mitigate stress from high planting density
- Headline AMP fungicide increased yield by increasing multiple yield components, including ear and kernel number



To learn more about crop protection products from BASF, visit [www.agproducts.basf.us](http://www.agproducts.basf.us)

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Always read and follow label directions.

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