

# Headline AMP<sup>®</sup>

Fungicide

Grow Smart<sup>™</sup>  
with BASF

## A Multi-Year / Multi-Hybrid Evaluation of Disease Control and Plant Health in Corn

### Benefits of Headline AMP<sup>®</sup> Fungicide

- Delivers the most yield at tassel (+12 to 15 bu/A)
- Best-in-class preventative and post-infection disease control
- Improves stalk strength

### A Case Study in Corn: Disease Control AND Plant Health in Corn

A multi-hybrid (n=54) x fungicide trial was conducted in 2014–2016 at the BASF Midwest Research Farm in Seymour, IL. The primary treatment was Headline AMP (10 fl oz/A) at tassel (VT) compared to non-treated plots. Yield data, disease control and plant health data were collected for each hybrid.

Yield Data Averaged Across All Hybrids\*

	2014	2015	2016
Untreated	271.3 bu/A	251.1 bu/A	261.0 bu/A
Headline AMP Fungicide R1	282.8 bu/A	268.2 bu/A	271.1 bu/A
Average Yield Response to Headline AMP Fungicide	+11.5 bu/A	+17.1 bu/A	+10.7 bu/A
% Positive Yield Response to Headline AMP Fungicide	92%	98%	98%

\*Results from 54 hybrids each year (including hybrids from AgriGold<sup>®</sup>, Burrus<sup>®</sup> Hybrids, Channel<sup>®</sup> Seed Brand, DeKalb<sup>®</sup> Brand Corn, Dyna-Gro<sup>®</sup> Seed, InVISION<sup>®</sup> Seed Corn, Pioneer<sup>®</sup> Seeds, and Wyffels Hybrids<sup>®</sup>). 2014 and 2016 were low disease years, while 2015 was a high disease year.

### 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

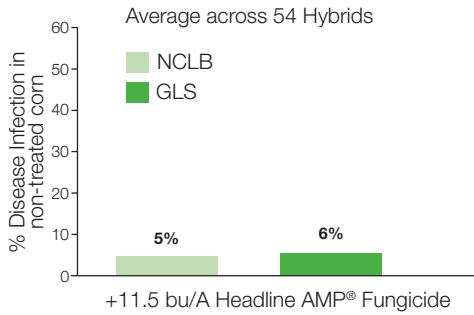
- Anthracnose
- Eyespot
- Gray leaf spot
- Northern corn leaf blight
- Northern corn leaf spot
- Physoderma brown spot
- Rust, southern and common
- Southern corn leaf blight
- Yellow leaf blight

Technical Information Bulletin

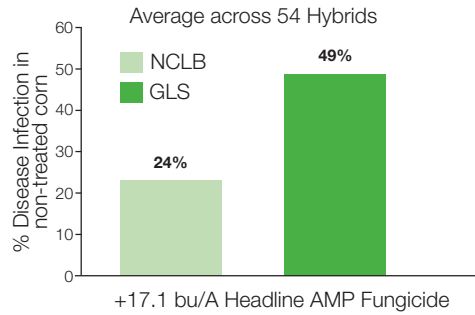
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# Level of Disease Infection and Corresponding Yields (2014–2016)

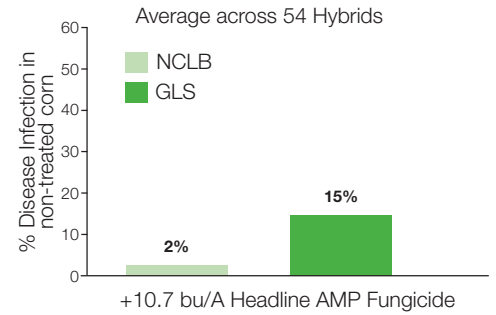
## 2014: Low Disease



## 2015: High Disease

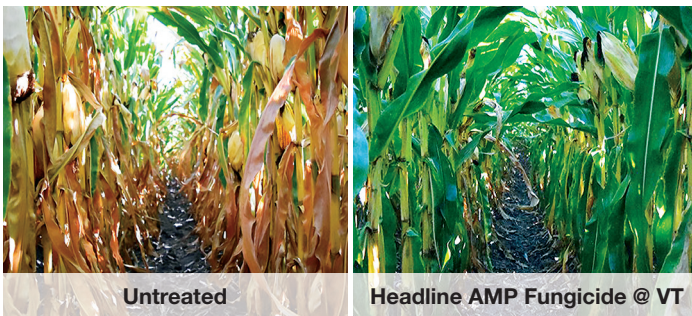


## 2016: Low Disease



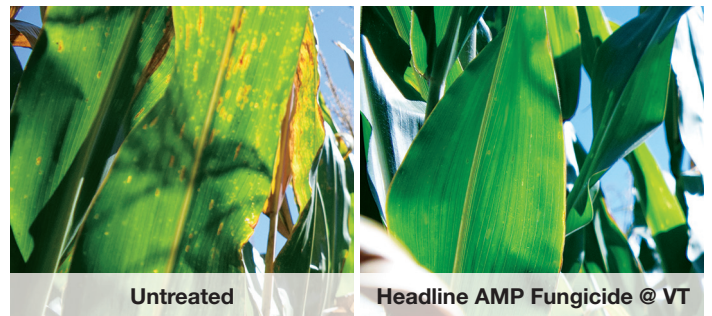
A large-plot, multi-hybrid fungicide trial was conducted in 2014, 2015 and 2016 at the Midwest Research Farm in Seymour, IL. NCLB = Northern corn leaf blight and GLS = Gray leaf spot.

## 2015 BASF Hybrid x Headline AMP Trial

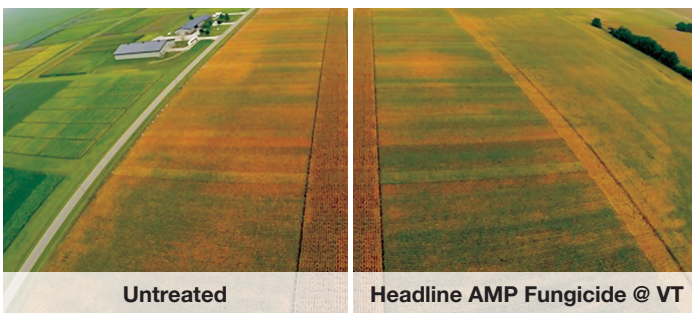


Photos taken 9/1/15

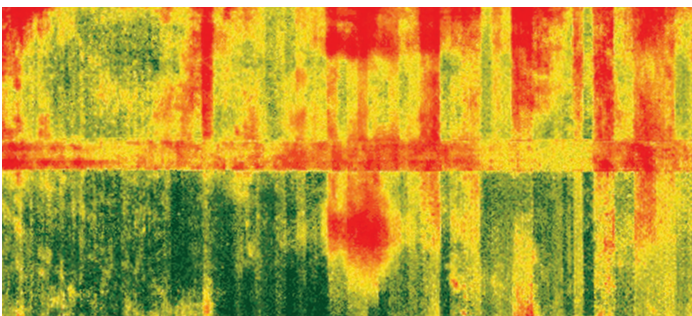
## 2015 BASF Hybrid x Headline AMP Trial



## 2015 BASF Hybrid x Headline AMP Trial



## 2015 NDVI Image 8/26/15



Top: Untreated. Bottom: Headline AMP Fungicide.

## Conclusions

Of the 54 hybrids tested each year, 26 of those hybrids were tested in both years. Of those, 25 showed a positive yield response to Headline AMP each year.

Whatever environmental conditions and disease pressure appear in a growing season, Headline AMP fungicide consistently protects yield potential by providing a combination of excellent disease control and plant health benefits.

Even in a year like 2014 with low disease pressure, Headline AMP fungicide increased yield by 11.5 bu/A, over a wide variety of corn hybrids, largely in part to Plant Health benefits beyond disease control.

In a year like 2015 with significant foliar disease pressure, Headline AMP fungicide is critical for disease control, but also Plant Health, increasing yields by 17.1 bu/A across the same number of hybrids.

### Always read and follow label directions

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