

# Headline AMP®

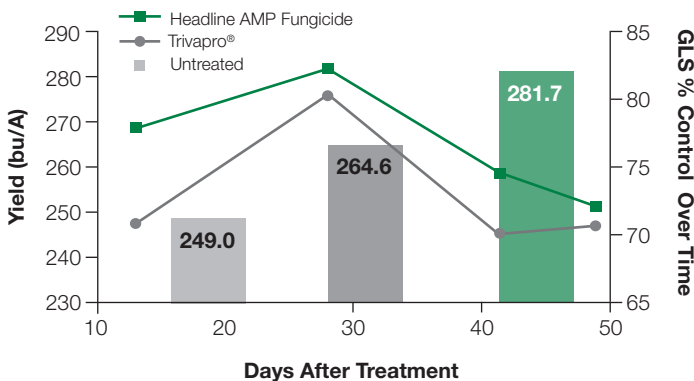
Fungicide

## Headline AMP® Fungicide – Protection From What Matters Most

### Benefits of Headline AMP Fungicide

- Delivers the most yield at tassel (+12.5 bu/A avg over untreated)
- Best-in-class preventative and post-infection disease control
- Minimizes stress and improves stalk strength

### Headline AMP Fungicide Provides Extended Residual Protection



BASF small-plot corn trial, North Carolina 2017 (RCB design, 4 replicates). Applications made at VT. Headline AMP fungicide 10 fl oz/A, Trivapro 13.7 fl oz/A.



Untreated



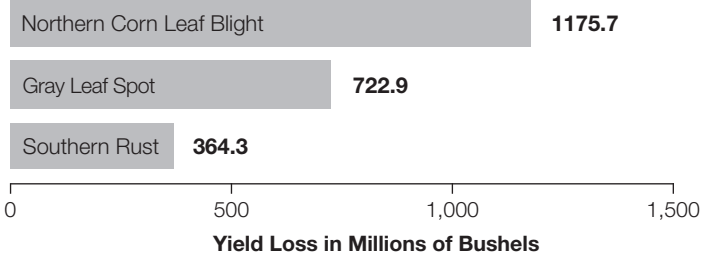
Trivapro



Headline AMP Fungicide

BASF small-plot corn trial: Andrews, North Carolina 2017 (RCB design, 4 replicates). Applications made at VT. Photo taken 27 days after treatment with Headline AMP fungicide 10 fl oz/A and Trivapro 13.7 fl oz/A.

### Most Impactful Foliar Fungal Diseases



2013–2016 Crop Protection Network, Yield Loss Estimates by Disease – <https://cropprotectionnetwork.org>.

### According to the Crop Protection Network:

- GLS & NCLB consistently impact US corn yields
- From 2013–2016, NCLB caused over 1 billion bushels of corn yield loss in the US
- In 2016, GLS was the most damaging disease to US corn, according to the Crop Protection Network

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Technical Information Bulletin

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

- Disease control
- Growth efficiency
- Stress tolerance

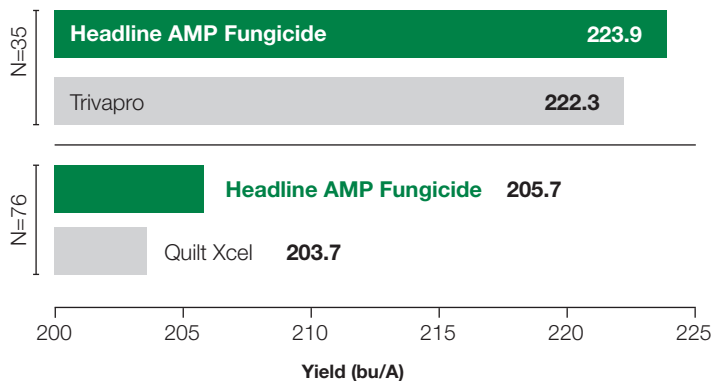
When plants are stressed by adverse weather or disease, they respond by increasing ethylene production, which leads to leaf senescence and reduced grain fill.

Headline AMP fungicide inhibits ethylene production during plant stress, allowing plants to maintain growth, recuperate faster and continue building yield.

## Plant Health Benefits Lead to Consistent Performance

- Headline AMP fungicide improves yield >92% of the time over untreated in 600 on-farm trials over six years of study
- In the 2017 National High Yield Contest, 4/5 High Yield Corn Growers chose Headline AMP fungicide.

## Headline AMP Fungicide Delivers the Most Yield at Tassel



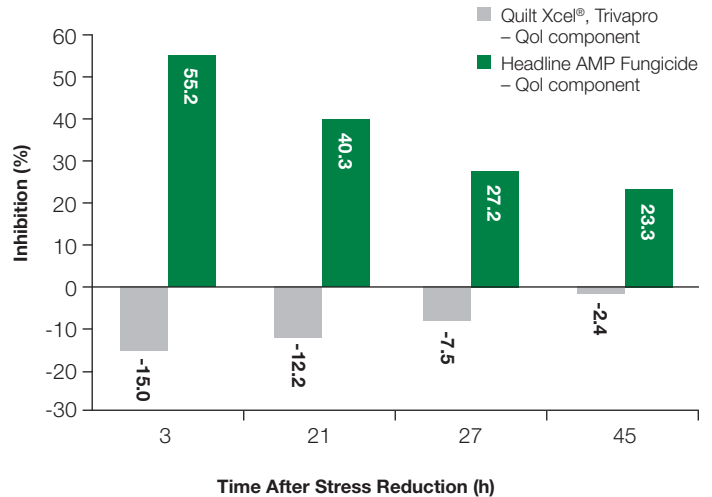
Summary of small-plot replicated corn trials, pair-wise comparisons by product with Headline AMP fungicide (10 fl oz/A). BASF trials or partially/fully sponsored University or Consultant locations. All applications made after VT. Quilt Xcel applied at 10.5 fl oz/A (2011-2017); Trivapro applied at 4 + 10.5 fl oz/A or 13.7 fl oz/A (2016-2017).

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

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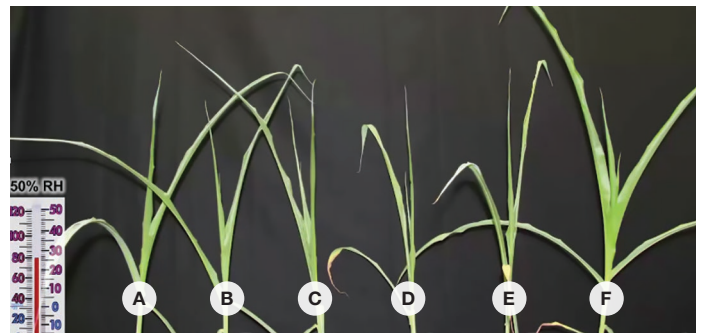
## Headline AMP Fungicide Inhibits Ethylene Production

Other fungicides actually increase ethylene during stress events.



Inhibition of ethylene in wheat plants. Helmet Schiffer, LiHof, 2005.

## Headline AMP Fungicide Improves Stress Tolerance



**A:** Untreated, **B:** Preemptor® 4 fl oz/A, **C:** Approach® Prima 6.8 fl oz/A, **D:** Stratego® YLD 4 fl oz/A, **E:** Trivapro A&B 4 + 10.5 fl oz/A and **F:** Headline AMP Fungicide 10 fl oz/A. BASF experiment: RTP, NC 2017. All plants treated with fungicides as listed, watered to field capacity, then exposed to heat and drought stress for 7 days. Photo shows recuperation after plants were watered back to field capacity following the stress event.

## 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

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Fungicide