

Xanthion™
In-Furrow Fungicide

Headline AMP®
Fungicide

**Grow Smart™
with BASF**

Maximize Corn Yield Potential with BASF Fungicides for Disease Control and Plant Health

Benefits of Xanthion™ In-Furrow Fungicide Applied Pre-Tassel

- Controls *Rhizoctonia* and *Fusarium* spp. and suppresses *Pythium* spp.
- Enhances root growth, seedling vigor and cold tolerance
- Complementary biological and chemical modes of action deliver longer lasting residual disease control

Benefits of Headline AMP® Fungicide Applied at Tassel

- Delivers the Most Yield at Tassel
- Best in Class Preventative and Post-Infection Disease Control
- Improves Stalk Strength

BASF Midwest Research Farm conducted a hybrid fungicide trial in 2015 that included 54 hybrids from 8 different seed companies with 4 treatments per hybrid.

The trial, planted April 17th, received above average rainfall and limited sunlight in May and June while July and August experienced below average rainfall with abundant sunshine. These conditions created a favorable environment for foliar disease pressure to develop. In addition, reduced solar

radiation early in the growing season compromised carbohydrate production resulting in reduced stalk integrity during grainfill.

Rainfall totals: May – 5.59", June – 8.35", July– 2.79", August – 2.65"

Herbicide: Verdict® Herbicide (15 fl oz/A) preemergence followed by Armezon® Herbicide (0.75 fl oz/A) + atrazine (1 qt/A) postemergence

Nitrogen: UAN with Limus® Nitrogen Management (90#) preplant followed by UAN (135#) sidedress

Overall Results Across All Hybrids* in 2015

Treatment	Moisture	% Lodged (Push Test)	Yield (bu/A)	Δ Untreated (bu)
Untreated	17.6	35.5	251.1	–
Headline AMP Fungicide @ VT	19.7	29.5	268.2	+17.1
Xanthion In-Furrow Fungicide fb Headline AMP Fungicide at VT	19.6	–	269.9	+18.8
Xanthion In-Furrow Fungicide	18.0	–	250.6	-0.5

*Results from 54 hybrids (including hybrids from AgriGold®, Burrus® Hybrids, Channel® Seed Brand, DeKalb® Brand Corn, Dyna-Gro® Seed, InVISION® Seed Corn, Pioneer® Seeds, and Wyffels Hybrids®).
Note: 2015 was a high disease year, with hybrids affected by northern corn leaf blight and gray leaf spot.

Technical Information Bulletin

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Results of Pioneer® Hybrids

HYBRID	Treatment	Yield (bu/A)	Δ Untreated (bu)	Moisture	Treatment	Yield (bu/A)	Δ Untreated (bu)	Moisture
P0909CHR	Untreated	252.1	–	17.8	Xanthion™ In-Furrow Fungicide fb Headline AMP® Fungicide @ VT	265.0	+12.9	20.1
	Headline AMP Fungicide @ VT	271.2	+19.1	21.3	Xanthion In-Furrow Fungicide	241.4	-10.7	18.5
P1197AMXT	Untreated	238.8	–	20.0	Xanthion In-Furrow Fungicide fb Headline AMP Fungicide @ VT	280.8	+42	22.4
	Headline AMP Fungicide @ VT	244.2	+5.4	23.6	Xanthion In-Furrow Fungicide	242.2	+3.4	21.0
P1257AMXT	Untreated	248.2	–	17.8	Xanthion In-Furrow Fungicide fb Headline AMP Fungicide @ VT	266.7	+18.5	22.3
	Headline AMP Fungicide @ VT	272.6	+24.4	21.3	Xanthion In-Furrow Fungicide	246.1	-2.1	18.5
P1311AMXT	Untreated	233.0	–	20.6	Xanthion In-Furrow Fungicide fb Headline AMP Fungicide @ VT	284.1	+51.1	22.1
	Headline AMP Fungicide @ VT	284.4	+51.4	23.5	Xanthion In-Furrow Fungicide	236.8	+3.8	19.7
P1417AMXT	Untreated	235.8	–	18.2	Xanthion In-Furrow Fungicide fb Headline AMP Fungicide @ VT	270.1	+34.3	22.5
	Headline AMP Fungicide @ VT	270.9	+35.1	23.5	Xanthion In-Furrow Fungicide	224.8	-11.0	21.5

Average of Pioneer Hybrids Tested

Treatment	Yield (bu/A)	Δ Untreated (bu)	Moisture	% Lodged (Push Test)	Treatment	Yield (bu/A)	Δ Untreated (bu)	Moisture	% Lodged (Push Test)
Untreated	241.6	–	18.9	30.4	Xanthion In-Furrow Fungicide fb Headline AMP Fungicide @ VT	273.3	+31.7	21.9	30.4
Headline AMP Fungicide @ VT	268.7	+27.1	22.6	15.6	Xanthion In-Furrow Fungicide	238.3	-3.3	19.8	15.6

Best Use Recommendations for Xanthion In-Furrow Fungicide

Use Rate: 3.6 to 7.2 fl oz/A

- Xanthion Fungicide Component A (EPA registered biological – Group 44): 0.6 to 1.2 fl oz/A
- Xanthion Fungicide Component B (the same active ingredient as Headline® Fungicide – Group 11): 3 to 6 fl oz/A

General Information

- Xanthion Fungicide is a co-package of two liquid products (one biological and one chemical)
- A direct injection unit with a recirculation pump is recommended for the most uniform mixing of ingredients and application.

Best Use Recommendations for Headline AMP Fungicide

Use Rate: 10 to 14.4 fl oz/A

- Labeled Crops: Corn (all types)

Adjuvants

- 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

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Headline AMP®
Fungicide

Always read and follow label directions.

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