

HatchTrakSM

March 15, 2017



ETHOS[®] XB

INSECTICIDE / FUNGICIDE

NEXT GENERATION IN-FURROW PROTECTION

Flexible, Soil Insect Control & Disease Suppression

Establishing a strong, healthy plant stand and maximizing plant health for better yields and higher profitability.

Apply ETHOS[®] XB insecticide/fungicide In-Furrow or T-Band 4 to 8.5 oz/A to control seedling insect pests & suppress seedling diseases in corn, dry beans and soybeans

Seedling Insects Controlled

White Grubs & Wireworms



White grubs & wireworms are more of a concern in recently plowed pastures or wheat and small grain fields, grassy soybean fields and no-till fields. Stand losses can be heavy if not treated at-planting time with in-furrow or T-band.

Seed Corn Maggot & Grape Colaspis



Seed corn maggot prefers freshly manured or recently plowed ground. Grape Colaspis has one generation per year and prefer soybeans & rice as hosts.

Cutworms & True Armyworms



Seedling Diseases Suppressed

Corn Pythium spp.



Pythium is favored by cold, wet soils. Pythium can cause seedling death known as "damping off".

Drybean, Soybean Pythium spp.

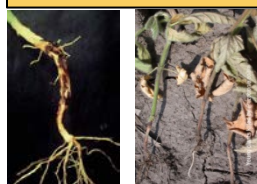


Corn Rhizoctonia Root Rot



Rhizoctonia root rot has reddish brown lesions on roots, can cause seedling death. Soybeans, drybeans, potatoes are alternate hosts.

Drybean, Soybean Rhizoctonia Root Rot



Corn Fusarium Root Rot



Fusaria root rot can develop in dry to moderately wet soils is more of a concern in corn. In corn and soybeans fusarium wilt may be observed later in the season.

Drybean, Soybean Fusarium Root Rot



Inside This Issue

- Ethos[®] XB insecticide/fungicide Next Generation In-Furrow Protection
 - Seedling Insects Controlled
 - Seedling Diseases Suppressed
- Corn, Dry Bean and Soybean Data

Authored by
Dr. Joseph P. Reed
FMC Tech Service
Mgr -East Region
(217) 649-3249

- Stu Throop FMC Western MI RMM (443) 271-4191
- Lisa Stiles FMC Southeast MI. (989) 780-2032
- Ryan McDaniel FMC Ohio RMM (937) 605-7204



Drybean, Soybean Phytophthora Root Rot



Phytophthora root rot is favored by cold, wet soils. Stand losses can be severe even with seed treatments.

HatchTrakSM

March 15, 2017

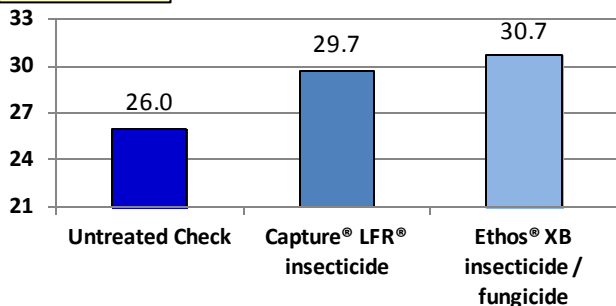


ETHOS[®] XB
INSECTICIDE / FUNGICIDE

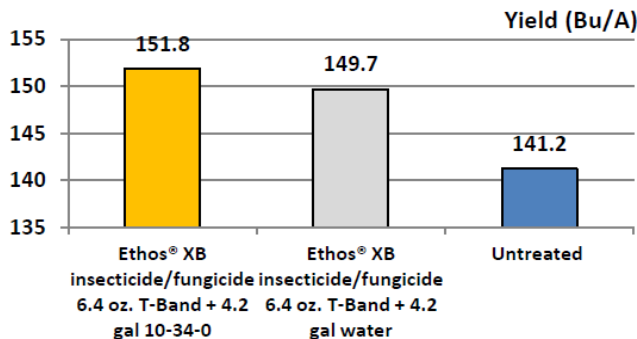
NEXT GENERATION IN-FURROW PROTECTION
Flexible, Soil Insect Control & Disease Suppression

Corn Stand Establishment Study – Seedling & Disease Protection

Corn Stand Count
*in thousands



2016 Soil Insecticide Trial Comparing Ethos[®] XB insecticide/fungicide 6.4 oz. with/without 10-34-0 applied as a T-Band In-Furrow Effect Upon Yield and Stand Count (Replicated Commercial Trial – Minerva, OH)



Ethos[®] XB Insecticide/Fungicide Dry Bean (Navy) – Seed Corn Maggot Counts

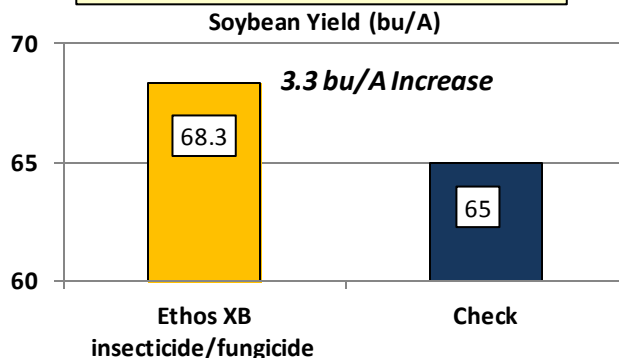
Commercial replicated trial

Number of healthy seedlings with no seed corn maggot damage per foot of row – 30 inch row spacing



Ethos[®] XB Insecticide/Fungicide Soybeans

3 Commercial trials



Always read and follow label directions. NOTE REGARDING RESTRICTED USE PESTICIDES: Anthem ATZ herbicide; Athena insecticide, Brigade 2EC Insecticide/Miticide, Brigade WSB Insecticide/Miticide, Brigadier Insecticide Capture 3RIVE 3D insecticide, Capture LFR Insecticide, Declare insecticide, Hero Insecticide, Mustang Insecticide, Mustang Maxx Insecticide, Pounce 25WP Insecticide, Stallion Brand Insecticide, Temityr LFR Insecticide/Fungicide, Triple Crown Insecticide, Ethos XB Insecticide/Fungicide and Gladiator Insecticide/Miticide are **Restricted Use Pesticides**. NOTE FOR CALIFORNIA: Accurate Extra herbicide, Aim herbicide, Aim EC herbicide, Aim EW herbicide, Anthem herbicide, Anthem ATZ herbicide, Anthem Flex herbicide, Anthem MAXX herbicide, Authority Assist herbicide, Authority Elite herbicide, Authority First DF herbicide, Authority MAXX herbicide, Authority MTZ DF herbicide, Authority XL herbicide, Cadet herbicide, Chisum Herbicide, Command 3ME microencapsulated herbicide, Crusher Herbicide, Edition Broadspec herbicide, Edition Tankmix Herbicide, Marvel herbicide, Nimble Herbicide, Nuance Herbicide, Preemptor SC fungicide, Report Extra Herbicide, Solstice herbicide, Spartan 4F herbicide, Spartan Charge herbicide, Spartan Elite herbicide, Temityr LFR Insecticide/Fungicide, Topguard EQ fungicide, Zeus Prime XC herbicide, Zeus XC herbicide, Capture 3RIVE 3D insecticide, Ethos XB Insecticide/Fungicide, Hero Insecticide, Mustang Maxx Insecticide, Display cotton harvest aid, Zoro Miticide and VGR Soil Amendment **are not registered for sale or use in California**. VGR Soil Amendment is not a pesticide. Beleaf and Carbine are trademarks of Ishihara Sangyo Kaisha, Ltd. Cercobin is a trademark of Nippon Soda Co., LTD. Sovran is a registered trademark of BASF. FMC, 3RIVE 3D, Accurate, Aim, Anthem, Athena, Authority, Brigade, Brigadier, Cadet, Capture, Chisum, Command, Crusher, Declare, Display, Edition, Ethos, Preemptor, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Temityr, Topguard, Topguard Terra, VGR and Zeus are trademarks and HatchTrak and Investing in farming's future are service marks of FMC Corporation or an affiliate. ©2016 FMC Corporation. All rights reserved. 11/16

Ethos XB and Capture LFR are Restricted Use Pesticides