

HatchTrakSM



April 4, 2017

For the second consecutive year, stripe rust has been identified early in North Carolina and Virginia. The warm weather has also resulted in early insect pressure. As another early spring develops, begin scouting your wheat for pest pressure in order to make timely applications to preserve yields. FMC has one of the most flexible insecticides in Mustang[®] Maxx insecticide and now offers a premium fungicide for powdery mildew and rust control with Topguard[®] EQ fungicide.

TOPGUARD[®] EQ

Dual, systemic mode of action protection for wheat and triticale diseases

Active Ingredients: Flutriafol (Group 3) + Azoxystrobin (Group 11)

Key Diseases Controlled

Stripe rust	<i>Puccinia striiformis</i>
Powdery mildew	<i>Blumeria graminis</i>
Septoria leaf and glume blotch	<i>Septoria</i> spp.
Stem rust	<i>Puccinia graminis</i>
Tan spot	<i>Pyrenophora tritici-repentis</i>

Use Directions

Use rates:	5 – 7 fl. oz./A
REI:	12 hours
PHIs:	Grain = 30 days
	Hay = 15 days
	Forage = 7 days

Do not apply after Feekes 10.5.4 (kernels watery ripe)



Wheat growth stage resource - <https://www.extension.purdue.edu/extmedia/id/id-422.pdf>



2015 Andrew Friskop, ND
Spring Wheat, Stripe Rust



Stripe rust - north central Kansas, April 2016

Inside This Issue

TOPGUARD[®] EQ

✓ Disease Control and Yield Protection

MUSTANG[®] MAXX

✓ Cereal Insect Control

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FMC

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Maximum Control of Yield Robbing Wheat Insects

Key Insects Controlled	Application Rate
Southern, true and yellowstriped armyworms, flea beetles, cereal leaf beetles, plantbug species, spittlebugs, webworm species	1.76 – 4.0 fl. oz./A (0.011 to 0.025 lb ai/A)
Aphid species, fall armyworms, chinch bugs, grasshoppers, stinkbugs, thrips, grass and wheat stem sawflies	3.2 – 4.0 fl. oz./A (0.02 – 0.025 lb ai/A)

Maximum Performance for Maximum Results				
2006 Data Treatment	Rate oz	Timing	Yield Bu/A	
			Trial 1	Trial 2
Mustang [®] Maxx	3.2	F, S	136	101
Baythroid [®]	1.8	F, S	134	101
Warrior [®]	2.56	F,F,S,S	135	106
Untreated	-	-	130	90

F = Fall; F,F = 2 Fall Apps; S = Spring; S,S = 2 Spring Apps

Use Directions	
REI:	12 hours
PHIs:	Grain, hay, forage = 14 days
Retreatment Interval	14 days (min)
Max Use/Season	20 fl oz./A (0.125 lb ai/A)
Application volume: Sufficient for thorough coverage. Minimum 10 gpa by ground and 2 gpa by air.	

Data From Independent Research - KY			
2007 Data Treatment	Rate oz	Timing	Yield Bu/A
Mustang [®] Maxx	3.2	Fall + Spring	88.7
Warrior	2.5	Fall + Spring	84.4
Untreated	-	-	81.2



Cereal Leaf Beetle Adult



Cereal Leaf Beetle Larvae



True Armyworm



Aphids on wheat leaf



888-59-FMC-AG FMCROP.COM

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

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