

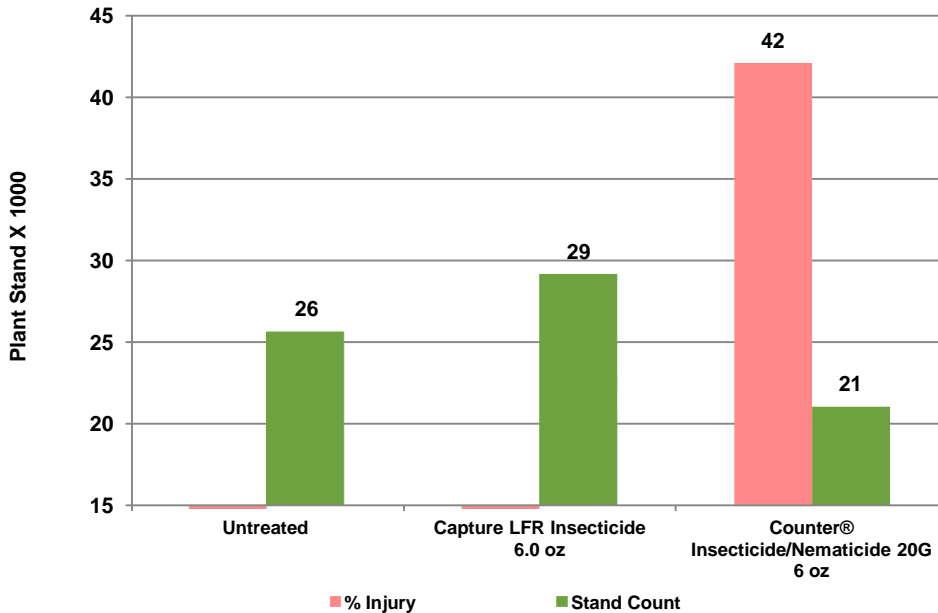


USE CAPTURE LFR WHERE HERBICIDE – INSECTICIDE INTERACTIONS ARE A CONCERN

AVOID CORN INSECTICIDE-HERBICIDE INTERACTIONS – USE CAPTURE® LFR® INSECTICIDE

Confirmation of corn rootworm (CRW) resistance to corn hybrids has prompted revisiting the use of soil insecticides for protecting the CRW trait technology and CRW control thus raising other concerns. Many soil insecticides are Organophosphates (OP) that may negatively interact with Acetolactase Synthetase Inhibitor (ALS) and Hydroxyphenyl-Pyruvate Dioxygenase (HPPD) inhibitor herbicides resulting in severe injury to corn. Selection of a corn soil insecticide may not be driven solely by CRW and other seedling soil insect pests, but the herbicide program, too. A table of various combinations of soil insecticides and herbicides showing pre-mix active ingredients, site of action as well as label precautions and restrictions is listed on the following page. Capture LFR insecticide is not an OP insecticide and can be used safely applied at-plant, in-furrow or T-banded where ALS and HPPD inhibitor herbicides will be applied because it has not shown the negative interaction resulting in corn injury. Below is a chart showing Capture LFR insecticide does not interact with the Accent® herbicide applied to corn.

Injury and Corn Stand Loss by Accent Herbicide 0.66 oz Applied over Various Soil Insecticides to Corn – Assumption, IL.



Injury symptoms by ALS herbicide applied over OP insecticide can take the form in whorl flashing, bleaching, stunting, reduced vigor and even stand loss. Proper selection of herbicides and soil insecticides or use of Capture, a soil insecticide which does not interact with herbicides is a good course to follow.

Always read and follow label directions as well as local technical literature and bulletins regarding herbicide – insecticide interactions. Soil and environmental conditions may account for variability observed in crop response situations and these may be addressed by other literature such as university / extension and manufacturers.



Left two rows showing severe injury from interaction of an ALS inhibitor herbicide applied at V-6 corn where an at-plant Organophosphate insecticide was applied. Right two rows showing no interaction because no ALS herbicide was applied over corn where an at-plant Organophosphate insecticide was used.



USE CAPTURE LFR WHERE HERBICIDE – INSECTICIDE INTERACTIONS ARE A CONCERN

Herbicide Trade Name	Active Ingredients	Site of Action (Group)	Counter® 20G Insecticide/ Nematicide (OP)	Lorsban® Insecticide (OP)	Aztec® Insecticide (OP)	Capture® LFR® Insecticide (Pyrethroid)
Anthem® / Anthem ATZ	Pyrozasulfone + Fluthiacet/ Pyrozasulfone +Atrazine	VLCFA (15) + PPO (14) / VLCFA (15) + PPO (14) + Ps II (5)	OK	OK	OK	OK
Accent® / Accent Q; Basis®	nicosulfuron; rimsulfuron	ALS (2)	Do Not Use	See Label	OK	OK
Beacon®, Option®, Python®, Resolve®, Resolve Q, Spirit®	Primisulfuron; foramsulfuron flumetsulam; rimsulfuron, thiafensulfuron;pr osulfufuron, primisulfuron	ALS (2)	Do Not Use	See Label	See Label	OK
Balance® Pro / Flexx	isoxaflutole	HPPD (27)	OK	OK	OK	OK
Callisto® / Callisto XTRA	mesotrione / mestrione atrazine	HPPD (27), PsII (5)	See Label	Do Not Use	OK	OK
Capreno®	thiencazabzone tembotrione	ALS (2), HPPD (27)	Do Not Use	Do Not Use	OK	OK
Celebrity® Plus	nicosulfuron, dicamba	ALS (2), Synthetic Auxin (4),	Do Not Use	OK	OK	OK
Corvus®	thiencazabzone, isoxaflutole	ALS (2), HPPD (27)	Do Not Use	Do Not Use	OK	OK
Halex® GT	mesotrione, glyphosate, metolachlor	HPPD (27), EPSPS (9), Mitosis (15)	Do Not Use	Do Not Use	See Label	OK
Hornet®	Flumesulam, clopyralid	ALS (2), Synthetic Auxin (4)	Do Not Use	See Label	See Label	OK
Impact® / Armezon®, Laudis®	Topramazone; tembotrione	HPPD (27)	OK	OK	OK	OK
Lexar®, Lumax®	mesotrione, atrazine, metolachlor	HPPD (27, PsII (5), Mitosis (15)	See Label	See Label	OK	OK
NorthStar®	primisulfuron, dicamba	ALS (2), Synthetic Auxin (4)	Do Not Use	See Label	See Label	OK
Sharpen®	saflufenacil	PPO (14)	See Label	See Label	OK	OK
Steadfast® / Steadfast Q; Stout®	Nicosulfuron, rimsulfuron; nicosulfuron, thiafensulfuron	ALS (2)	Do Not Use	See Label	OK	OK
SureStart® / TripleFLEX™	Flumetsulam, clopyralid, acetochlor	ALS (2), Synthetic Auxin (4), Mitosis (15)	Do Not Use	See Label	See Label	OK
Verdict®	Saflufenacil, dimethenamid	PPO (14), Mitosis (15)	Do Not Use	Do Not Use	OK	OK

Do Not Use = Restrictions or Not labeled due to severe crop injury; See Label = Read and follow label for specific restrictions and limitations to avoid crop injury; OK = Labeled for use and no restrictions or concerns about crop injury.

Always read and follow directions. Capture LFR is a restricted use pesticide. FMC, Anthem, Capture and LFR are trademarks of FMC Corporation. Aztec, Counter, and Impact are trademarks of Amvac Chemical Corporation. Hornet, Lorsban, Python, and Surestart are trademarks of Dow AgroSciences LLC. Beacon, Callisto, Halex, Lexar, NorthStar, and Spirit are trademarks of a Syngenta Group Company. Accent, Resolve, Steadfast, and Stout are trademarks of E. I. duPont de Nemours and Company. Capreno and Option are trademarks of Bayer CropScience LP. Corvus and Laudis are trademarks of Bayer AG. Balance is a trademark of Bayer ASA. Armezon, Celebrity, and Verdict are trademarks of BASF Corporation. Sharpen is a trademark of BASF SE. Triple FLEX is a trademark of Monsanto Technology LLC. ©2014 FMC Corporation. All rights reserved.

