

2009 SMFD

Managing New and Emerging Diseases, Insects and Weed Problems – Sandell and Bernards

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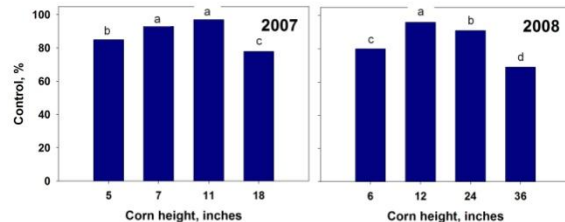
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Herbicides that control volunteer corn

Herbicide	Active ingredient	Corn size	Rate/Acre
Assure II or Targa	quizalofop	0-12 in	4 oz
		12-18 in	5 oz
		18-30 in	8 oz
Fusilade DX	fluazifop	0-12 in	4 oz
		12-24 in	6 oz
Fusion	fluazifop + fenoxaprop	0-12 in	4 oz
		12-24 in	6 oz
Select or Arrow	clethodim	0-12 in	4 oz
		12-24 in	6 oz
Select Max	clethodim	0-12 in	6 oz
		12-24 in	9 oz
		24-36 in	12 oz

2009SMFDWeeds005

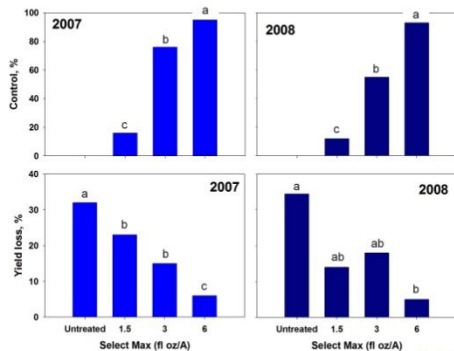
Volunteer corn control with Ignite



Alms, Muehring, Denke and Vos, 2009
South Dakota State University

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Effect of partially controlled volunteer corn



Alms, Muehring, Denke and Vos, 2009
South Dakota State University

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Volunteer Corn and Insect Resistance Management

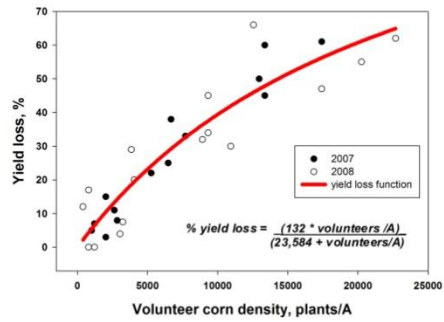
Mean percentage of Bt Cry3Bb1 (Western corn rootworm) positive (n=470) and negative (n=263) volunteer corn plants collected from eight soybean fields in northern Indiana. Damage was measured using the Oleson root rating system.

Root damage category	% Bt positive ± SE	% Bt negative ± SE	P value
No damage	39 ± 8 n = 172	34 ± 7 n = 84	0.45
Mild (≤0.5)	35 ± 4 n = 167	25 ± 6 n = 87	0.31
Significant (>0.5)	26 ± 10 n = 131	41 ± 9 n = 192	0.38

Krupke et al. 2009. Agronomy J. 101:797-799.
Purdue University

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Effect of volunteer corn density on soybean yield



Alms, Moechnig, Deneke and Vos, 2008
South Dakota State University

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