

Western Corn Rootworm - Spindletop 2006
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WESTERN CORN ROOTWORM CONTROL IN CORN, 2006: Six insecticide treatments were evaluated for control of western corn rootworm larvae in continuous corn. The test plot was planted following sixteen years of continuous corn on the UK Spindletop Research Farm in Fayette Co., KY, on 16 May as a RCB with 4 replicates. Individual sub-plots consisted of single row of corn, 25 m long, with 76.2 cm row spacing. The corn hybrid used for all treatments was N67-D6 at a seeding rate of 29,500 kernels per acre. All insecticide treatments were applied at planting except the seed treatments which were custom applied prior to the seed before planting. Stand counts from the entire plots were recorded on 16 Jun. Five roots were examined from each plot for rootworm damage and scored on the 0 to 3.0 root node injury scale on 29 Jun. Data were subject to ANOVA and treatment means compared by LSD (SAS Institute).

Treatment	Rate	Root Node Injury (0-3)	Stand Count	Yield (bu/acre)
Untreated		1.26 a	102.3 c	124.4 b
Lorsban 15 G	8 oz /1000'	0.50 bc	106.8 bc	129.1 b
Lorsban 15 G Poncho 250	6 oz / 1000' 0.25 mg / kernel	0.21 cd	111.5 ab	144.b ab
Ponch 1250	1.25 mg / kernel	0.08 cd	115.5 a	141.9 ab
Cruiser 1.25	1.25 mg / kernel	0.17 cd	113.3 ab	136.5 ab
Fortress 5 G	4 oz / 1000'	0.04 d	109.5 abc	150.3 a
Ponch 250	0.25 mg / kernel	0.79 b	113.0 ab	143.5 ab

All of the insecticides treatments significantly reduced root injury and improved stand counts relative to the control treatment. However, only the Fortress 5 G treatment significantly improved yield over the control.

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