

# Bt Corn Yields

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## Objective

To examine the yield performance of new Bt corn varieties.

## Background

Crop Year:	1997	Soil Test:	pH 7.0; P 23ppm; K 154ppm
Cooperator:	Tom Weiler	Fertilizer Applied:	180# NH <sub>3</sub> pre-plant; 11 gal. 10-34-0 + 46# P <sub>2</sub> O <sub>5</sub> + 120# K <sub>2</sub> O
County/Town:	Morrow/ Chesterville	Herbicide:	Dual II 1qt.; Atrazine 1.8#; Bladex 1.8#
Drainage:	Systematic	Variety:	See Methods
Major Soil Type:	Millgrove	Planting Rate:	26,700 seeds/A
Previous Crop:	Soybean	Planting Date:	April 30, 1997
Tillage:	Fall chisel; field cultivate	Harvest Pop.	25,800 plants/A
		Harvest Date:	October 15, 1997

## Methods and Results

Variety	Maturity (# days)	%		
		Moisture (Harvest)	Yield (bu/A)	% of Tester
Countrymark N6800 Bt	112	27.2	198.38	118
Countrymark N4640 Bt	103	19.9	122.74	72
Pioneer 35N05	105	22.4	157.76	93
Pioneer 33Y09	113	28.8	174.26	103
Pioneer 3335 (Tester)	111	25.3	169.42	N/A

## Summary and Notes

The weed pressure in this study was light. The reduced annual grass control in treatments 1 and 4 is due to the lack of rapid soybean canopy closure after application, because the soybeans were only at the second trifoliate at application. Despite the lower weed control in treatments 1, 4, and 7, there was no significant reduction in yield.

For additional information, contact:

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