

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Transgenic Bt Corn **Year:** 1995  
**Personnel:** J.L. Wedberg, J.G. Lauer, K.D. Hudelson  
**Location:** Arlington Research Station, Arlington, WI  
**Supported by:** Ciba Seeds, Northrup King Co.

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### FIELD INFORMATION

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Field: 296  
Soil Type: Plano Silt Loam  
Soil Test Results: Test Date: pH: P (ppm): K (ppm): OM (%):  
Fertilizer: 25-Apr 100 lbs/a 6-24-24 starter  
150 lbs/a 46-0-0 preplant  
Tillage Operations: Chisel Plow, Field Cultivate  
Previous Crop: Corn  
Irrigation: None

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### EXPERIMENTAL PROCEDURE

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Exp. Design: RCB Split-Split Plot  
Replicates: 4  
Variables: A: Hybrid Pair, B: ECB Treatment, C: Isoline  
Area Planted: 10' x 25'  
Area Harvested: 5.0' x 22'  
Row Spacing: 30"  
Hybrid/Variety: Ciba 1134E/1134X (w Bt gene / wo Bt gene)  
Ciba 3206E/3206X (w Bt gene / wo Bt gene)  
Ciba 3208E/3208X (w Bt gene / wo Bt gene)  
NK 1032Bt/397 (w Bt gene / wo Bt gene)  
NK 1033Bt/777 (w Bt gene / wo Bt gene)  
DK512/GH2387 (checks)  
ECB Treatment: 21-June @V7  
28-June @V9  
26-July @ early pollination  
9-Aug @ late pollination  
Planting Date: 15-May  
Planting Equip: Kinze Plot Planter  
Harvesting Date: 18-Oct  
Harvesting Equip: Gleaner Plot Combine  
Insecticide: Date 15-May Material Lorsban Rate 8 oz/1000 ft Method planter  
Herbicides: 22-May Bladex 2 qts/a premerge  
22-May Lasso 2 qts/a premerge

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Results: Table E-38 and E-39.

**Table E-38. Performance of Transgenic Bt Corn - Isolines. Arlington, WI 1995**

Hybrid	ECB Treatment	Isoline	Guthrie Rating	ECB	ECB	Broken %	Moist %	Yield bu/a
				Cavities/Plant	Larve/Plant			
Ciba 1134E/1134X			1.7	2.4	0.2	4.9	16.8	157.8
Ciba 3206E/3206X			1.4	1.1	0.1	2.4	18.2	154.8
Ciba 3208E/3208X			1.7	1.4	0.3	1.4	19.6	178.8
NK 1032Bt/397			1.9	1.8	0.2	1.6	17.4	165.7
NK 1033Bt/777			1.8	1.4	0.3	1.0	18.1	161.7
	+ECB		2.1	1.6	0.2	2.5	18.2	160.4
	No ECB		1.3			2.0	17.8	167.1
Ciba 1134E/1134X	+ECB		2.2	2.4	0.2	5.5	17.1	149.1
Ciba 3206E/3206X	+ECB		1.7	1.1	0.1	2.5	18.5	148.0
Ciba 3208E/3208X	+ECB		2.1	1.4	0.3	2.3	19.7	186.2
NK 1032Bt/397	+ECB		2.4	1.8	0.2	1.2	17.6	159.7
NK 1033Bt/777	+ECB		2.2	1.4	0.3	0.9	18.3	158.9
Ciba 1134E/1134X	No ECB		1.2	-	-	4.4	16.5	166.5
Ciba 3206E/3206X	No ECB		1.2	-	-	2.3	17.8	161.5
Ciba 3208E/3208X	No ECB		1.3	-	-	0.5	19.5	171.3
NK 1032Bt/397	No ECB		1.4	-	-	1.9	17.1	171.6
NK 1033Bt/777	No ECB		1.3	-	-	1.1	18.0	164.5
		+Bt Gene	1.0	0.4	0.1	1.5	18.2	172.3
		-Bt Gene	2.4	2.8	0.4	3.0	17.8	155.2
	+ECB	+Bt Gene	1.0	0.4	0.1	1.9	18.4	170.2
	No ECB	+Bt Gene	1.0			1.1	18.0	174.5
	+ECB	-Bt Gene	3.2	2.8	0.4	3.0	18.1	150.6
	No ECB	-Bt Gene	1.6			3.0	17.5	159.8
Mean			1.7	1.6	0.2	2.3	18.0	163.8
<b>Probability %</b>								
Hybrid (H)			10.0	10.6	> 50	< 0.1	10.0	14.2
ECB (E)			< 0.1	-	-	41.8	0.1	12.2
H x E			41.3	-	-	> 50	> 50	15.7
Isoline (I)			< 0.1	< 0.1	0.3	< 0.1	1.6	< 0.1
H x I			2.0	32.9	28.4	0.2	49.6	> 50
E x I			< 0.1	-	-	30.9	> 50	> 50
H x E x I			49.1	-	-	> 50	40.8	> 50
<b>LSD (0.10)</b>								
Hybrid (H)			0.3	NS	NS	1.2	1.7	NS
ECB (E)			0.1	-	-	NS	0.2	NS
Isoline (I)			0.1	0.7	0.1	0.7	0.3	6.4
<b>CV %</b>								
			21.0	78.3	128.1	81.1	3.8	10.2

**Table E-39. Performance of Transgenic Bt Corn -All Hybrids.  
Arlington, WI 1995**

Hybrid	ECB Treatment	Guthrie Rating	ECB	ECB	Broken %	Moist %	Yield bu/a
			Cavities/Plant	Larve/Plant			
Ciba 1134E (+Bt)		1.0	0.9	0.2	2.3	16.8	170.1
Ciba 1134X (-Bt)		2.5	3.8	0.3	7.6	16.8	145.6
Ciba 3206E (+Bt)		1.0	0.5	0.1	2.3	18.5	160.9
Ciba 3206X (-Bt)		1.9	1.7	0.1	2.5	17.9	148.7
Ciba 3208E (+Bt)		1.0	0.7	0.1	1.2	19.6	184.8
Ciba 3208X (-Bt)		2.4	2.2	0.6	1.6	19.5	172.7
DK512		2.8	4.7	0.9	2.1	17.0	172.4
GH2387		2.5	5.7	0.6	8.1	18.9	164.9
NK 1032Bt (+Bt)		1.0	0.0	0.0	0.7	17.6	174.6
NK 397 (-Bt)		2.8	3.6	0.3	2.5	17.1	156.7
NK 1033Bt (+Bt)		1.0	0.0	0.0	0.9	18.5	171.3
NK 777 (-Bt)		2.5	2.8	0.5	1.1	17.8	152.2
	+ECB	2.4	2.2	0.3	2.8	18.2	160.1
	No ECB	1.3			2.6	17.8	169.0
Ciba 1134E (+Bt)	+ECB	1.0	0.9	0.2	3.2	17.3	164.7
Ciba 1134X (-Bt)	+ECB	3.5	3.8	0.3	7.7	17.0	133.5
Ciba 3206E (+Bt)	+ECB	1.0	0.5	0.1	2.5	18.6	153.2
Ciba 3206X (-Bt)	+ECB	2.4	1.7	0.1	2.5	18.5	142.8
Ciba 3208E (+Bt)	+ECB	1.0	0.7	0.1	2.5	19.8	197.1
Ciba 3208X (-Bt)	+ECB	3.2	2.2	0.6	2.1	19.6	175.2
DK512	+ECB	3.9	4.7	0.9	1.8	16.8	163.0
GH2387	+ECB	3.3	5.7	0.6	7.4	18.8	154.8
NK 1032Bt (+Bt)	+ECB	1.0	0.0	0.0	0.4	17.8	167.2
NK 397 (-Bt)	+ECB	3.7	3.6	0.3	2.1	17.5	152.3
NK 1033Bt (+Bt)	+ECB	1.0	0.0	0.0	1.1	18.6	168.7
NK 777 (-Bt)	+ECB	3.4	2.8	0.5	0.7	18.0	149.1
Ciba 1134E (+Bt)	No ECB	1.0	-	-	1.4	16.3	175.5
Ciba 1134X (-Bt)	No ECB	1.5	-	-	7.4	16.7	157.6
Ciba 3206E (+Bt)	No ECB	1.0	-	-	2.1	18.4	168.5
Ciba 3206X (-Bt)	No ECB	1.3	-	-	2.5	17.2	154.6
Ciba 3208E (+Bt)	No ECB	1.0	-	-	0.0	19.5	172.4
Ciba 3208X (-Bt)	No ECB	1.6	-	-	1.1	19.4	170.3
DK512	No ECB	1.6	-	-	2.5	17.2	181.9
GH2387	No ECB	1.7	-	-	8.8	19.0	175.0
NK 1032Bt (+Bt)	No ECB	1.0	-	-	1.1	17.5	182.0
NK 397 (-Bt)	No ECB	1.8	-	-	2.8	16.8	161.2
NK 1033Bt (+Bt)	No ECB	1.0	-	-	0.7	18.4	173.8
NK 777 (-Bt)	No ECB	1.7	-	-	1.4	17.5	155.3
Mean		1.9	2.2	0.3	2.7	18.0	164.6
<b>Probability %</b>							
Hybrid (H)		< 0.1	< 0.1	1.4	< 0.1	2.7	1.9
ECB (E)		< 0.1	-	-	> 50	0.5	1.8
H x E		< 0.1	-	-	> 50	28.1	37.9
<b>LSD (0.10)</b>							
Hybrid (H)		0.3	1.7	0.4	1.7	1.6	17.9
ECB (E)		0.1	-	-	NS	0.2	6.0
<b>CV %</b>							
		18.6	-	-	81.3	3.3	10.7

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Transgenic Bt Corn **Year: 1995**  
**Personnel:** J.L. Wedberg, J.G. Lauer, K.D. Hudelson  
**Location:** Hancock Research Station, Hancock, WI  
**Supported by:** Ciba Seeds, Northrup King Co.

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### FIELD INFORMATION

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Field: E-23  
Soil Type: Plainfield Sand  
Soil Test Results: Test Date: Nov 94 pH: 6.1 P (ppm): 100 K (ppm): 67 OM (%): 0.8  
Fertilizer: 11-May 100 lbs/a 6-24-24 starter  
200 lbs/a 33-0-0 post 21,23-Jun  
Tillage Operations: Plow  
Previous Crop: Potato  
Irrigation: 6.9 inches total seasonal irrigation

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### EXPERIMENTAL PROCEDURE

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Exp. Design: RCB Split-Split Plot  
Replicates: 4  
Variables: A: Hybrid Pair, B: ECB Treatment, C: Isoline  
Area Planted: 10' x 25'  
Area Harvested: 5.0' x 22'  
Row Spacing: 30"  
Hybrid/Variety: Ciba 1134E/1134X (w Bt gene / wo Bt gene)  
Ciba 3206E/3206X (w Bt gene / wo Bt gene)  
Ciba 3208E/3208X (w Bt gene / wo Bt gene)  
NK 1032Bt/397 (w Bt gene / wo Bt gene)  
NK 1033Bt/777 (w Bt gene / wo Bt gene)  
DK512/GH2387 (checks)  
ECB Treatment: 21-June @V7  
29-June @ V9  
27-July @ early pollination  
10-August @ late pollination  
Planting Date: 11-May  
Planting Equip: Kinze Plot Planter  
Harvesting Date: 16-Oct  
Harvesting Equip: Gleaner Plot Combine

	<u>Date</u>	<u>Material</u>	<u>Rate</u>	<u>Method</u>
Insecticide:	11-May	Lorsban	8 oz/1000 ft	planter
Herbicides:	16-May	Aatrex/Lasso	2 qts/a & 1.5 pts/a	preemerg
	24-May	Aatrex/Lasso	2 qts/a & 1.5 pts/a	preemerg

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Results: Table E-40 and E-41.

**Table E-40. Performance of Transgenic Bt Corn - Isolines.  
Hancock, WI 1995**

Hybrid	ECB		Guthrie			
	Treatment	Isoline	Rating	Broken	Moist	Yield
				%	%	bu/a
Ciba 1134E/1134X			2.5	4.9	17.3	122.6
Ciba 3206E/3206X			2.1	2.9	20.3	124.6
Ciba 3208E/3208X			2.1	2.7	21.8	151.6
NK 1032Bt/397			2.7	1.5	17.9	144.1
NK 1033Bt/777			2.3	1.3	18.8	142.5
	+ECB		3.2	3.2	18.9	129.9
	No ECB		1.5	2.1	19.6	143.9
Ciba 1134E/1134X	+ECB		3.5	6.1	17.1	114.3
Ciba 3206E/3206X	+ECB		2.9	3.6	20.4	119.8
Ciba 3208E/3208X	+ECB		2.9	3.0	21.0	137.1
NK 1032Bt/397	+ECB		3.6	1.6	17.8	137.7
NK 1033Bt/777	+ECB		3.2	1.6	17.9	141.6
Ciba 1134E/1134X	No ECB		1.4	3.7	17.5	130.9
Ciba 3206E/3206X	No ECB		1.3	2.1	20.2	129.3
Ciba 3208E/3208X	No ECB		1.4	2.3	22.5	166.0
NK 1032Bt/397	No ECB		1.9	1.4	18.0	149.6
NK 1033Bt/777	No ECB		1.4	1.1	19.8	143.4
		+Bt Gene	1.2	1.5	19.2	144.6
		-Bt Gene	3.5	3.8	19.3	129.2
	+ECB	+Bt Gene	1.2	1.9	19.0	144.5
	No ECB	+Bt Gene	1.2	1.1	19.3	144.6
	+ECB	-Bt Gene	5.2	4.4	18.8	114.6
	No ECB	-Bt Gene	1.7	3.2	19.8	143.1
Mean			2.3	2.7	19.2	137.0
<b>Probability %</b>						
Hybrid (H)			5.6	3.1	< 0.1	< 0.1
ECB (E)			< 0.1	4.1	1.4	0.2
H x E			29.9	> 50	7.2	27.2
Isoline (I)			< 0.1	< 0.1	> 50	< 0.1
E x I			< 0.1	> 50	> 50	< 0.1
<b>LSD (0.10)</b>						
Hybrid (H)			0.4	1.8	1.2	6.6
ECB (E)			0.2	0.8	0.4	6.5
Isoline (I)			0.4	0.7	NS	5.6
<b>CV %</b>			44.6	70.9	12.2	10.8

**Table E-41. Performance of Transgenic Bt Corn - All Hybrids. Hancock, WI 1995**

Hybrid	ECB Treatment	Guthrie Rating	Broken %	Moist %	Yield bu/a
Ciba 1134E (+Bt)		1.0	2.5	16.8	133.6
Ciba 1134X (-Bt)		3.9	7.3	17.8	111.6
Ciba 3206E (+Bt)		1.0	0.9	19.8	119.7
Ciba 3206X (-Bt)		3.2	4.8	20.8	129.4
Ciba 3208E (+Bt)		1.7	2.9	21.6	154.9
Ciba 3208X (-Bt)		2.5	2.5	21.9	148.2
DK512		4.3	4.1	19.1	139.8
GH2387		3.1	6.8	19.5	137.8
NK 1032Bt (+Bt)		1.3	1.1	18.2	156.4
NK 397 (-Bt)		4.1	2.0	17.7	130.0
NK 1033Bt (+Bt)		1.0	0.2	19.4	158.2
NK 777 (-Bt)		3.6	2.5	18.3	126.9
	+ECB	3.6	3.6	18.7	129.6
	No ECB	1.5	2.6	19.7	144.8
Ciba 1134E (+Bt)	+ECB	1.0	2.5	16.5	130.8
Ciba 1134X (-Bt)	+ECB	6.0	9.6	17.8	97.8
Ciba 3206E (+Bt)	+ECB	1.0	1.8	19.4	122.4
Ciba 3206X (-Bt)	+ECB	4.7	5.3	21.5	117.3
Ciba 3208E (+Bt)	+ECB	2.0	3.9	21.3	144.0
Ciba 3208X (-Bt)	+ECB	3.7	2.1	20.8	130.2
DK512	+ECB	6.3	5.0	18.2	124.7
GH2387	+ECB	4.8	6.4	17.7	131.4
NK 1032Bt (+Bt)	+ECB	1.0	1.1	18.1	159.9
NK 397 (-Bt)	+ECB	6.2	2.1	17.4	108.1
NK 1033Bt (+Bt)	+ECB	1.0	0.4	19.6	165.5
NK 777 (-Bt)	+ECB	5.4	2.9	16.2	117.8
Ciba 1134E (+Bt)	No ECB	1.0	2.5	17.2	136.4
Ciba 1134X (-Bt)	No ECB	1.8	5.0	17.8	125.4
Ciba 3206E (+Bt)	No ECB	1.0	0.0	20.2	117.0
Ciba 3206X (-Bt)	No ECB	1.7	4.3	20.1	141.6
Ciba 3208E (+Bt)	No ECB	1.5	1.8	22.0	165.7
Ciba 3208X (-Bt)	No ECB	1.2	2.9	23.0	166.2
DK512	No ECB	2.4	3.2	20.0	154.9
GH2387	No ECB	1.4	7.1	21.2	144.3
NK 1032Bt (+Bt)	No ECB	1.7	1.1	18.2	152.9
NK 397 (-Bt)	No ECB	2.1	1.8	17.9	146.4
NK 1033Bt (+Bt)	No ECB	1.0	0.0	19.2	150.9
NK 777 (-Bt)	No ECB	1.9	2.1	20.4	136.0
Mean		2.6	3.1	19.2	137.3
<b>Probability %</b>					
Hybrid (H)		< 0.1	< 0.1	< 0.1	< 0.1
ECB (E)		< 0.1	6.1	1.5	< 0.1
H x E		< 0.1	> 50	26.0	0.2
<b>LSD (0.10)</b>					
Hybrid (H)		0.8	2.3	1.8	12.2
ECB (E)		0.3	0.8	0.7	4.7
<b>CV %</b>					
		30.9	77.0	10.3	10.0

## FIELD EXPERIMENT HISTORY

**Title:** Performance of Transgenic Bt Corn **Year:** 1995  
**Personnel:** J.L. Wedberg, J.G. Lauer, K.D. Hudelson  
**Location:** Lancaster Research Station, Lancaster, WI  
**Supported by:** Ciba Seeds, Northrup King Co.

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### FIELD INFORMATION

Field: 111  
Soil Type: Rozetta silt loam  
Soil Test Results: Test Date: Oct 94 pH: 7.7 P (ppm): 25 K (ppm): 115 OM (%): 2.3  
Fertilizer: 17-May 100 lbs/a 6-24-24 starter  
Tillage Operations: Spring Chisel Plow 2x, disk, cultimulch  
Previous Crop: Alfalfa  
Irrigation: none

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### EXPERIMENTAL PROCEDURE

Exp. Design: RCB Split-Split Plot  
Replicates: 4  
Variables: A: Hybrid Pair, B: ECB Treatment, C: Isoline  
Area Planted: 10' x 25'  
Area Harvested: 5.0' x 22'  
Row Spacing: 30"  
Hybrid/Variety: Ciba 1134E/1134X (w Bt gene / wo Bt gene)  
Ciba 3206E/3206X (w Bt gene / wo Bt gene)  
Ciba 3208E/3208X (w Bt gene / wo Bt gene)  
NK 1032Bt/397 (w Bt gene / wo Bt gene)  
NK 1033Bt/777 (w Bt gene / wo Bt gene)  
DK512/GH2387 (checks)  
ECB Treatment: 22-June @V5  
28-June @ V7-8  
31-July @ early pollination  
7-August @ late pollination  
Planting Date: 17-May  
Planting Equip: Kinze Plot Planter  
Harvesting Date: 14-Oct  
Harvesting Equip: Gleaner Plot Combine

	<u>Date</u>	<u>Material</u>	<u>Rate</u>	<u>Method</u>
Insecticide:		none		
Herbicides:	11-May	Roundup	2 qts/a	preplant
	11-May	2,4-D	1 pt/a	preplant
	26-May	Dual II	2 pts/a	preemerg
	30-May	Banvel	1 pt/a	post

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Results: Table E-42 and E-43.

**Table E-42. Performance of Transgenic Bt Corn - Isolines.  
Lancaster, WI 1995**

Hybrid	ECB		Guthrie		Moist	Yield
	Treatment	Isoline	Rating	Broken		
				%	%	bu/a
Ciba 1134E/1134X			2.1	11.7	16.5	131.2
Ciba 3206E/3206X			1.5	8.4	18.9	138.6
Ciba 3208E/3208X			1.7	3.4	19.4	160.7
NK 1032Bt/397			2.0	3.3	18.5	145.3
NK 1033Bt/777			2.1	2.9	19.4	161.1
	+ECB		2.4	5.4	18.6	148.1
	No ECB		1.4	6.4	18.5	146.6
Ciba 1134E/1134X	+ECB		2.6	10.0	16.3	131.9
Ciba 3206E/3206X	+ECB		1.9	8.9	19.1	133.4
Ciba 3208E/3208X	+ECB		2.0	3.1	19.5	167.7
NK 1032Bt/397	+ECB		2.5	2.4	18.6	149.5
NK 1033Bt/777	+ECB		2.7	2.7	19.5	157.9
Ciba 1134E/1134X	No ECB		1.5	13.3	16.6	130.4
Ciba 3206E/3206X	No ECB		1.1	7.8	18.6	143.8
Ciba 3208E/3208X	No ECB		1.3	3.6	19.4	153.6
NK 1032Bt/397	No ECB		1.5	4.2	18.5	141.1
NK 1033Bt/777	No ECB		1.5	3.1	19.3	164.2
		+Bt Gene	1.2	4.3	19.2	156.0
		-Bt Gene	2.6	7.5	17.9	138.7
	+ECB	+Bt Gene	1.1	4.0	19.2	158.3
	No ECB	+Bt Gene	1.2	4.7	19.2	153.7
	+ECB	-Bt Gene	3.6	6.9	18.0	137.9
	No ECB	-Bt Gene	1.6	8.2	17.7	139.6
Mean			1.9	5.9	18.5	147.4
<b>Probability %</b>						
Hybrid (H)			6.1	< 0.1	< 0.1	1.5
ECB (E)			< 0.1	29.1	24.6	> 50
H x E			> 50	> 50	19.8	4.5
Isoline (I)			< 0.1	< 0.1	< 0.1	< 0.1
E x I			< 0.1	> 50	31.5	32.3
<b>LSD (0.10)</b>						
Hybrid (H)			0.4	2.3	0.5	15.3
ECB (E)			0.2	NS	NS	NS
Isoline (I)			0.3	1.4	0.2	5.3
<b>CV %</b>						
			48.0	60.4	2.9	9.5



**Table E-43. Performance of Transgenic Bt Corn - All Hybrids. Lancaster, WI 1995**

Hybrid	ECB	Guthrie		Moist	Yield
	Treatment	Rating	Broken		
			%	%	bu/a
Ciba 1134E (+Bt)		1.8	10.0	16.8	135.7
Ciba 1134X (-Bt)		2.4	13.3	16.2	126.6
Ciba 3206E (+Bt)		1.0	5.1	19.2	148.3
Ciba 3206X (-Bt)		2.0	11.7	18.6	129.0
Ciba 3208E (+Bt)		1.0	2.6	20.1	160.7
Ciba 3208X (-Bt)		2.3	4.2	18.8	160.7
DK512		3.6	4.9	16.7	143.3
GH2387		3.2	13.0	17.8	153.9
NK 1032Bt (+Bt)		1.0	2.0	20.0	159.7
NK 777 (-Bt)		3.2	3.8	18.7	146.5
NK 1033Bt (+Bt)		1.0	2.0	20.1	175.6
NK 397 (-Bt)		3.0	4.6	17.1	131.0
	+ECB	2.7	6.0	18.4	148.5
	No ECB	1.5	6.9	18.3	146.6
Ciba 1134E (+Bt)	+ECB	1.7	6.6	16.7	143.6
Ciba 1134X (-Bt)	+ECB	3.6	13.5	16.0	120.3
Ciba 3206E (+Bt)	+ECB	1.0	6.2	19.5	144.4
Ciba 3206X (-Bt)	+ECB	2.7	11.7	18.8	122.4
Ciba 3208E (+Bt)	+ECB	1.1	2.2	20.0	172.3
Ciba 3208X (-Bt)	+ECB	3.0	4.0	19.0	163.1
DK512	+ECB	4.8	5.5	16.9	138.3
GH2387	+ECB	4.0	11.7	17.8	162.7
NK 1032Bt (+Bt)	+ECB	1.0	2.6	20.0	162.6
NK 397 (-Bt)	+ECB	4.0	2.2	17.3	136.4
NK 1033Bt (+Bt)	+ECB	1.0	2.6	20.1	168.7
NK 777 (-Bt)	+ECB	4.5	2.9	19.0	147.2
Ciba 1134E (+Bt)	No ECB	1.9	13.5	16.9	127.9
Ciba 1134X (-Bt)	No ECB	1.2	13.1	16.4	132.9
Ciba 3206E (+Bt)	No ECB	1.0	4.0	19.0	152.2
Ciba 3206X (-Bt)	No ECB	1.2	11.7	18.3	135.5
Ciba 3208E (+Bt)	No ECB	1.0	2.9	20.2	149.1
Ciba 3208X (-Bt)	No ECB	1.5	4.4	18.6	158.2
DK512	No ECB	2.4	4.4	16.5	148.2
GH2387	No ECB	2.4	14.2	17.9	145.1
NK 1032Bt (+Bt)	No ECB	1.0	1.5	20.0	156.7
NK 397 (-Bt)	No ECB	1.9	6.9	17.0	125.5
NK 1033Bt (+Bt)	No ECB	1.0	1.5	20.2	182.6
NK 777 (-Bt)	No ECB	2.0	4.7	18.4	145.7
Mean		2.1	6.4	18.3	147.6
<b>Probability %</b>					
Hybrid (H)		< 0.1	< 0.1	< 0.1	< 0.1
ECB (E)		< 0.1	27.8	18.6	> 50
H x E		< 0.1	> 50	33.6	9.9
<b>LSD (0.10)</b>					
Hybrid (H)		0.8	3.5	0.6	18.0
ECB (E)		0.2	NS	NS	NS
<b>CV %</b>		23.6	65.2	2.4	9.5