

Genuity VT2P versus Competitors - Demonstration.

Trial ID: 11-ARC-N8-S220 Location: Agronomy Res. Center

Pest Code							
Crop Code							
Rating Date							
Rating Data Type							
Rating Unit							
Rating Timing							
Trt-Eval Interval							

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	Moisture Percent	Test wt. lb/bu	Yield bu/A	Kernels / Row R4-R5	Rows / Ear R4-R5	Ker. length cm	Ear length cm
1	DKC 61-49 GENVT2P								15.0	58.9	123	27.1	14.6	15.2	19.3
2	PIONEER 1184 HR								17.3	58.1	125	27.1	14.2	13.8	19.0
3	DKC 62-13 GENVT2P								16.2	58.4	130	24.7	14.0	13.2	18.5
4	PIONEER 1184 R								17.1	58.1	133	29.9	14.4	15.1	20.3
5	DKC 62-58 GENVT2P								15.7	58.6	148	32.5	16.6	18.3	20.9
6	N72Q-3000GT								17.5	57.8	139	29.7	15.4	15.5	20.5
7	DKC 63-25 GENVT2P								17.1	58.0	165	27.0	17.8	13.0	18.1
8	N72Q-3111								18.2	57.6	155	28.0	15.4	14.3	19.5
9	DKC 63-87 GENVT2P								16.5	58.2	179	27.1	16.6	15.4	19.6
10	DKC 63-45 RR2								16.4	58.3	163	34.2	16.6	16.7	21.5

LSD (P=.05)

Means followed by same letter do not significantly differ (P=.05, LSD)

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Other Rate	Growth Stage	Appl Code	ZEAMD 6-21-11 Leaf damage 0-9 V6-V7	ZEAMD 8-10-11 Damaged Ker / 10 Ear R4-R5	ZEAMD 8-10-11 Cavities / 10 Ear R4-R5	ZEAMD 8-10-11 Larvae / 10 Ear R4-R5	ZEAMD 8-10-11 Ear damage Percent R4-R5	ZEAMD 9-23-11 Lodging Percent R6	ZEAMD 9-21-11 Ears 000/A R6
1	DKC 61-49 GENVT2P	0.00								49	0.5	1.5		55	0	25.0
2	PIONEER 1184 HR	0.25								112	0.0	1.0		50	0	24.6
3	DKC 62-13 GENVT2P	0.00								21	0.0	1.5		25	0	25.2
4	PIONEER 1184 R	0.33								55	0.0	0.5		45	13	25.0
5	DKC 62-58 GENVT2P	0.05								49	0.0	2.5		50	0	26.8
6	N72Q-3000GT	1.15								27	0.0	0.0		30	37	21.2
7	DKC 63-25 GENVT2P	0.13								22	0.0	1.5		50	0	25.0
8	N72Q-3111	0.08								0	0.0	0.0		0	3	26.0
9	DKC 63-87 GENVT2P	0.03								86	0.0	2.5		55	0	27.0
10	DKC 63-45 RR2	1.45								301	0.5	0.0		95	33	21.8

LSD (P=.05)

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Monsanto.
2. Ratings: Scout for insect damage, rate leaf damage (Guthrie or Davis scale) as leaf damage occurs (V5-V7).
Percent root lodging and percent stalk lodging if present.
Evaluate ears for damage and report if present: damaged kernels per 10 ears, number of cavities by ECB, SWCB, SCB; number larvae per ear; and percent ears with kernel damage.
Stand count at harvest as 5 counts per plot (2 rows by 17.5 ft).
3. Yield, grain moisture and test weight.
4. Blanket PRE application of Degree Xtra (3 qt/A) plus Atrazine (1 qt/A) plus Roundup WeatherMax (22 floz/A) was applied to all plots on 5-12-11.
5. Planting, target mid-May planting.
6. Ear and leaf injury ratings were taken from rows 4 and 5 of each plot. Leaf injury ratings were taken at 4 locations separated by approximately 50 feet.
Ear damage ratings were taken at approximately 50 and 150 feet from the front of the plot (west side).
Leaf damage was taken using the Davis 0-9 scale, with 0 as no damage and 9 as the whorl and furl leaves almost totally destroyed.
All larvae found were corn earworm.
Plots 101-103 were drier than than the other plots; the corn leaves were curling the day ear damage ratings were taken.
All larvae found during ear evaluations were corn earworm, and most damage to the ears was concentrated on the ear tip.
Percent ear damage reflects the percent of 10 ears that had any damage, not just damage to kernels.
No root lodging or stalk lodging was observed by mid-August.
SWCB lodging was counted out of 10 plants at approximately 60 feet apart in row 5.
7. Harvested 9-29-11 (4) 30 inch rows by 237.5 ft.