

TRIALS Reporting

Location Summary Report

Experiment Local Experiment

Tracking Name OFGC12029161_0001

Name Schuette Farms

Business Partner ID 17010792

Residence

City Elkton

State

MI

Postal Code 48731

County Huron

Crop Corn Silage

Trial Loc

Lat 43.830900 Long -83.278110 State

MI

Postal Code 48755

County Huron

Previous Crop Sugar Beets

Trial Type Genetic Agronomic Courtesy

Tillage Conservation Strip Ridge

Row Width (in)

Irrigation None Limited Full

Conventional Mulch No-Till

Planting Date 4/27/2012

No. Rows Harvested

Weighing Device Weighed Yield Monitor

Harvest Date 9/25/2012

Comments

Additional Location Traits

Roundtree Dairy Feed

	Brand	Product	Subprod/ Seed Trmt	Planting Rate (n/.001a)	No Other Factors	Harvested			Tons/A cre (35%D M) (t/a)	% DM	% CP	% Sug	% Strch	% FB DG	% NDF	Milk/Ac re (lb/a)	Milk/To n (lb/t)	Harv Stand (n/.001a)	EUI d
						not required for Yield Monitor													
						WT. (lb)	Length (ft)	Width (in)											
1	DeKalb	DKC52-43	FHST	35		18580	1056	240	21.1	44.9	7.8	7.5	42.8	51.5	30.6	28,742	3,895		299179
2	Pioneer	P1376XR	F000	35		20710	1056	240	18.3	35.1	7.3	8.8	31.2	49.7	39.9	22,634	3,526		299195
3	Pioneer	P0891XR	F000	35		20520	1056	240	20.4	39.4	7.7	8.0	35.1	50.4	37.7	26,032	3,646		299192
4	Pioneer	P0832AMX-R	F000	35		21160	1056	240	21.8	40.8	7.8	7.0	38.2	51.5	35.0	28,951	3,799		299194
5	Pioneer	34A89	FHST	35		20430	1056	240	20.7	40.1	8.1	6.9	38.0	52.9	34.9	27,676	3,828		299191
6	Pioneer	P1011AM1	F000	35		20720	1056	240	20.6	39.3	8.7	8.0	34.0	52.2	36.7	26,613	3,696		299187
7	Pioneer	P0216AM-R	F000	35		20500	1056	240	20.8	40.2	7.5	6.4	41.4	50.1	33.5	27,590	3,785		299193
8	Golden Harv	H-8672-3000G	0000	35		20190	1056	240	19.5	38.2	8.9	5.5	30.7	48.6	43.0	23,193	3,406		299189
9	Pioneer	P0210AM-R	F000	35		18510	1056	240	20.1	43.0	7.3	5.6	41.6	51.4	34.0	26,605	3,790		299186
10	Pioneer	P0255YHR	F000	35		19950	1056	240	21.1	41.9	7.6	7.7	39.4	49.7	34.2	27,748	3,760		299188



	Brand	Product	Subprod/ Seed Trmt	Planting Rate (n/.001a)	No Other Factors	Harvested			Tons/A cre (35%D M) (t/a)	% DM	% CP	% Sug	% Strch	% FB DG	% NDF	Milk/Ac re (lb/a)	Milk/To n (lb/t)	Harv Stand	EUId
						not required for Yield Monitor													
						WT. (lb)	Length (ft)	Width (in)										(n/.001a)	
11	Golden Harv	H-8211-3000G	0000	35		19290	1056	240	20.8	42.7	8.0	7.9	41.8	52.9	31.6	28,397	3,895		299180
12	Golden Harv	H-7949-3000G	0000	35		18200	1056	240	19.2	41.7	7.2	7.5	33.8	50.8	38.9	24,500	3,646		299182
13	Golden Harv	H-8940-3000G	0000	35		20920	1056	240	20.1	38.1	7.8	7.6	37.3	51.7	35.2	26,486	3,757		299183
14	Dairyland Se	HiD.F.-3110-Q	0000	35		20240	1056	240	19.2	37.6	7.9	9.6	32.7	49.6	37.3	24,423	3,634		299181
15	Great Lakes	5245G3VT3	FHN0	35		17310	1056	240	20.7	47.2	8.3	5.4	45.4	49.5	30.0	28,085	3,885		299185
16	Dairyland Se	HiD.F.-3702-9	0000	35		18940	1056	240	22.6	47.3	8.6	14.1	18.7	51.3	43.0	27,078	3,419		299177
17	Dairyland Se	DS-9399	0000	35		16230	1056	240	17.2	42.0	7.8	7.5	28.4	54.5	43.9	21,746	3,606		299176
18	Dairyland Se	HiDF-3297VIP	0000	35		17000	1056	240	20.0	46.4	7.6	6.2	38.6	48.3	35.6	25,595	3,662		299175
19	Great Lakes	5339GT3	0000	35		19100	1056	240	22.0	45.7	7.6	6.9	43.8	51.1	30.8	30,061	3,899		299190
20	Great Lakes	5643VT3Pro	0000	35		20850	1056	240	21.2	40.1	7.9	7.1	36.2	48.9	35.2	27,062	3,652		299184
21	Great Lakes	5529VT3P	0000	35		20840	1056	240	21.2	40.3	7.4	7.0	35.7	50.5	37.7	27,032	3,648		299178

Market Price	Market Segment	Segment Price Adj.	Adjustment	Total Market Price
\$6.00	Standard	\$0.00	\$0.040	\$6.00



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Insecticide Seed Treatment (IST): Indicates insecticide seed treatment was purchased on the seed.

Fungicide Seed Treatment (FST): Indicates fungicide seed treatment was purchased on the seed.

Nematicide Seed Treatment (NST). Indicates nematocidal seed treatment was purchased on the seed.

*** Since the trait/segment information is derived from each competitor's own product information, DuPont Pioneer makes no representations or warranties as to its accuracy, completeness or suitability.

[^] EXPORT APPROVAL NOTICE: This product is fully approved in the United States. All traits included in these products are approved in key global markets. The combination of these traits and the grain and certain by-products from THESE PRODUCTS MAY NOT BE APPROVED for all markets. For questions about specific countries please contact your sales professional or refer to www.pioneer.com/stewardship. Customers are advised to discuss trait acceptance policies with their local grain handler prior to delivering grain containing biotech traits.

Segments:

HX1 - Contains the Herculex[®]I Insect Protection gene which provides protection against European corn borer, southwestern corn borer, black cutworm, fall armyworm, western bean cutworm, lesser corn stalk borer, southern corn stalk borer, and sugarcane borer; and suppresses corn earworm.

HXRW - The Herculex[®]RW insect protection trait contains proteins that provide enhanced resistance against western corn rootworm, northern corn rootworm and Mexican corn rootworm.

HXX - Herculex[®]XTRA contains the Herculex I and Herculex RW genes.

AVBL,CB,LL,GT - Contains the Agrisure Viptera[®] 3110[^] trait stack: Agrisure Viptera[®], Agrisure[®] CB and Agrisure[®] GT traits.

LL - Contains the LibertyLink[®] gene for resistance to Liberty[®] herbicide.

RR2 - Contains the Roundup Ready[®] Corn 2 trait that provides crop safety for over-the-top applications of labeled glyphosate herbicides when applied according to label directions.

WX - Waxy. WH - White food corn. YFC - Yellow food corn. AQ - Optimum[®] AQUAmax[™] hybrid. BMR - Brown MidRib Corn.

AM1 - Optimum[®] AcreMax[®] 1 Insect Protection System with an integrated corn rootworm refuge solution includes HXX, HX1, LL, RR2. Optimum AcreMax 1 products contain the LibertyLink[®] gene and can be sprayed with Liberty[®] herbicide. The required corn borer refuge can be planted up to half a mile away.

AMRW-R - Optimum[®] AcreMax[®] RW Rootworm Protection system with a single-bag integrated corn rootworm refuge solution includes HXRW, RR2. Do not spray with Liberty[®]. Not all seeds in the bag are tolerant to Liberty herbicide.

AMRW - Optimum[®] AcreMax[®] RW Rootworm Protection system with a single-bag integrated corn rootworm refuge solution includes HXRW, LL, RR2.

AM-R - Optimum[®] AcreMax[®] Insect Protection system with YGCB, HX1, RR2. Contains a single-bag integrated refuge solution for above-ground insects. Do not spray with Liberty[®]. Not all seeds in the bag are tolerant to Liberty herbicide. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax products.

AM - Optimum[®] AcreMax[®] Insect Protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax products.

AMX-R - Optimum[®] AcreMax[®] Xtra Insect Protection system with YGCB, HXX, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. Do not spray with Liberty[®]. Not all seeds in the bag are tolerant to Liberty herbicide. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax Xtra products.

RW,HX1,LL,RR2 (Optimum[®] TRIsect[™]) - Contains the Herculex I gene for above-ground pests and the Agrisure[®] RW trait for resistance to corn rootworm.

AMX - Optimum[®] AcreMax[®] Xtra Insect Protection system with YGCB, HXX, LL, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. In EPA-designated cotton growing counties, a 20% separate refuge must be planted with Optimum AcreMax Xtra products.

YGCB,HX1,LL,RR2 (Optimum[®] IntraSect[®]) - Contains the YieldGard[®] Corn Borer gene and Herculex[®] I gene for resistance to corn borer.

YGCB,HXX,LL,RR2 (Optimum[®] IntraSect[®] XTRA) - Contains the YieldGard[®] Corn Borer gene and the Herculex XTRA genes for resistance to corn borer and corn rootworm.

RW,YGCB,HXX,LL,RR2 (Optimum® Intrasect® XTreme) – Contains the Agrisure® RW trait, the YieldGard Corn Borer gene, and the Herculex® XTRA genes for resistance to corn borer and corn rootworm. Optimum Intrasect XTreme will be the major component of OptimumAcreMax XTreme[^].

AMXT (Optimum® AcreMax® XTreme) – Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® XTRA genes.

Other Segments:

VT2P - Genuity VT Double PRO - Contains the Genuity VT PRO genes and the Roundup Ready® Corn 2 trait. Provides resistance to corn borers and tolerance to glyphosate herbicides.

VT2P-RIB – Contains the Genuity® VT Double PRO RIB Complete™ technology for above-ground insect protection.

YGCB - The YieldGard® Corn Borer gene offers a high level of resistance to European corn borer, southwestern corn borer and southern cornstalk borer. The gene also offers a moderate level of resistance to corn earworm and commonstalk borer; and above average resistance to fall armyworm.

SSTX – Genuity SmartStax – contains the Genuity VT Triple PRO traits, Herculex XTRA traits, the LibertyLink gene, and the Roundup Ready Corn 2 trait. Provides resistance to corn borers, corn rootworms, tolerance to glyphosate herbicides, and resistance to Liberty herbicide.

SSTX-RIB - Contains either the SmartStax® RIB Complete technology or the REFUGE ADVANCED™ powered by SmartStax® technology.

VT - YieldGard VT Rootworm/RR2 contains both the YieldGard Rootworm gene and the Roundup Ready Corn 2 trait.

VT3 - YieldGard VT Triple contains the YieldGard Rootworm gene, the YieldGard Corn Borer gene and the Roundup Ready Corn 2 trait.

VT3P - Genuity VT Triple PRO contains the YieldGard VT gene YieldGard Rootworm/RR2), and the Genuity VT PRO gene. Provides resistance to corn borers, corn rootworms, and tolerance to glyphosate herbicides.

GT - Contains the Agrisure GT trait that provides tolerance to glyphosate herbicides. CB - Contains the Agrisure CB trait that provides resistance to corn borers. RW - Contains the Agrisure RW trait that provides resistance to corn rootworms.

AV-3110 – Agrisure Viptera® 3110 trait stack - Contains the Agrisure Viptera®, Agrisure CB and Agrisure GT traits.

AV-3111 – Agrisure Viptera® 3111 trait stack – Contains the Agrisure Viptera®, Agrisure® CB, Agrisure RW, and Agrisure® GT traits.

AV-3220 – Agrisure Viptera® 3220 trait stack – Contains the Herculex® I Agrisure Viptera®, Agrisure CB, and Agrisure GT traits.

AS-3122 – Agrisure® 3122 trait stack – Contains the Herculex® Xtra, Agrisure CB, Agrisure RW, and Agrisure GT traits.

AS-4011 – Agrisure® 4011 trait stack – Contains the Agrisure 3000GT traits, and Agrisure Artesian™ technology.

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SILAGE CRM: Silage Comparative Relative Maturity. With no industry standard for silage maturity, comparing maturity and harvest moisture across various company's corn-for-silage hybrids can be difficult. Pioneer silage CRM ratings provide a relative comparison among Pioneer hybrids of rates at which hybrids reach harvestable whole-plant moistures. It is on the same scale as the CRM rating provided for grain-corn hybrids and does not represent actual days from planting or emergence to harvest moisture or half milklane.

Tons/Acre (35%DM): whole plant yield adjusted to 35% dry matter.

% DM: Percent dry matter of whole plant at harvest.

% CP: Percent crude protein (DM basis) in the whole plant on a 100% DM basis.

ADF, %: % acid detergent fiber (DM basis) in the whole plant sample.

% NDF: Percent neutral detergent fiber (DM basis) in the whole plant.

% FibDig (24-hr): % degradable neutral detergent fiber (as a % of total NDF, DM basis) in whole plant samples in a 24-hour period.

% Sugar: Percent soluble sugars (DM basis) in the whole plant.

% Starch: Percent starch (DM basis) in the whole plant.

NE-L, %: Net Energy for Lactation (Mcal/lb, DM basis).

TDN, %: % total digestible nutrients (DM basis).

Lbs Milk/Acre: Pounds of milk per acre on a dry matter basis based on University of Wisconsin MILK2006 utilizing silage yield, nutrient content and digestibility.

Lbs Milk/Ton: Pounds of milk per ton of silage on a dry matter basis based on University of Wisconsin MILK2006 utilizing silage nutrient content and digestibility.

Lbs Beef/Ton: Pounds of beef per ton of silage on a dry matter basis based on a modification of the University of Wisconsin MILK2006 utilizing silage nutrient content and digestibility.

Lbs Beef/acre: Pounds of beef per acre on a dry matter basis based on a modification of the University of Wisconsin MILK2006 utilizing silage yield, nutrient content and digestibility.

Caution should be used when making hybrid decisions based on single/limited plot comparisons. A minimum of 20 side-by-side hybrid comparisons is required for valid yield and nutritional comparisons.

For explanations and footnotes for traits depicted, please refer to Trait Ratings.

Hybrid and variety responses are variable and subject to any number of environmental, disease and pest pressures. DO NOT USE THIS OR ANY OTHER DATA FROM A LIMITED NUMBER OF TRIALS AS A SIGNIFICANT FACTOR IN PRODUCT SELECTION. Refer to www.pioneer.com or contact a Pioneer sales representative or authorized dealer for the latest and complete listing of traits and scores for each Pioneer® brand product.

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