

TRIALS Reporting	Location Summary Report						Experiment CU4 PKP CS - Late Corn Silage											
	Sales Provider Name Johnson; Dana Residence City Milbank State SD Postal Code 57252 County Grant						Tracking Name OFGC17100965_0014 Business Partner ID 18369662											
Crop Corn Silage Previous Crop Corn Row Width 30 (in) Planting Date 5/11/2017 Harvest Date 9/13/2017	Trial Loc Lat 45.212530 Long -96.640960 State SD Postal Code 57252 County Grant						Trial Type <input checked="" type="checkbox"/> Genetic <input type="checkbox"/> Agronomic <input type="checkbox"/> Courtesy Irrigation <input checked="" type="checkbox"/> None <input type="checkbox"/> Limited <input type="checkbox"/> Full No. Rows Harvested 4						Tillage <input type="checkbox"/> Conservation <input type="checkbox"/> Strip <input type="checkbox"/> Ridge <input checked="" type="checkbox"/> Conventional <input type="checkbox"/> Mulch <input type="checkbox"/> No-Till Weighing Device <input type="checkbox"/> Weighed <input type="checkbox"/> Yield Monitor					

Comments

Two passes with 8 row on north side. Plot goes north to south.

Additional Location Traits

	Brand	Product	Subprod / Seed Trmt	Planting Rate (n/.001a)	No Other Factors	Harvested			Silage Yld (35 % DM) (t/a)	% DM	% CP	% Sug	% Strch	% FB DG	% NDF	Milk/Acre (lb/a)	Milk/Ton (lb/t)	uNDF (240-hr, %DM)	EUI d
						WT. (lb)	Length (ft)	Width (in)											
1	Pioneer	P9840AMXT		32		8820	924	120			Inadequate Harvest	Quality						9.36	1289410
2	Pioneer	P9998AMXT		32		10480	924	120	24.5	34.7	7.4	5.5	35.2	46.1	34.9	31,799	3,713	9.78	1289411
3	Pioneer	P0157AMX	NSPS	32		10560	924	120	25.0	35.1	7.6	4.1	38.4	45.8	33.7	33,049	3,784	10.82	1263771
4	Pioneer	P0242AMXT	NLPS	32		11560	924	120	26.2	33.6	6.8	5.1	39.3	47.7	31.9	36,126	3,946	8.11	1263772
5	Pioneer	P0306AMXT	NLPS	32		10980	924	120	25.8	34.9	6.3	4.7	35.4	46.3	37.5	33,548	3,713	9.84	1263773
6	DeKalb	DKC53-68RIB		32		10100	924	120	25.0	36.7	6.8	5.8	34.9	46.8	36.1	32,462	3,713	10.15	1289413
7	Pioneer	P0574AMXT	NJPS	32		11120	924	120	25.9	34.6	7.3	5.2	35.4	46.7	34.9	34,223	3,771	9.75	1263774
8	Pioneer	P0589AMXT	NLPS	32		11320	924	120	26.2	34.3	7.0	3.8	37.6	46.2	35.2	34,609	3,780	9.7	1263775
9	Pioneer	P0636AMX	NSPS	32		11080	924	120	25.3	33.9	6.8	5.0	35.7	45.7	36.0	33,038	3,734	9.83	1263776
10	Pioneer	P0707AMXT	NJPS	32		10200	924	120	26.5	38.6	6.1	3.1	39.1	43.8	36.3	33,478	3,608	10.94	1263777

	Brand	Product	Subprod / Seed Trmt	Planting Rate (n/.001a)	No Other Factors	Harvested			Silage Yld (35 % DM) (t/a)	% DM	% CP	% Sug	% Strch	% FB DG	% NDF	Milk/Ac re (lb/a)	Milk/To n (lb/t)	uNDF (240-hr, %DM)	EUId
						not required for Yield Monitor													
						WT. (lb)	Length (ft)	Width (in)											
11	Pioneer	P1151AMX	NSPS	32		10580	924	120	25.0	35.1	7.2	5.3	33.6	46.1	37.3	31,807	3,635	10.62	1263778
12	Pioneer	P1197AMXT	NSPS	32		12650	924	120	26.0	30.5	7.3	5.5	30.2	44.2	41.0	32,394	3,560	13.51	1263779
13	Pioneer	P1138AM	NJPS	32		12060	924	120	27.2	33.5	7.2	8.7	26.7	47.3	40.7	34,739	3,652	11.65	1263780
14	Pioneer	P1366AMXT	NLPS	32		12420	924	120	24.1	28.8	6.8	5.6	28.7	47.5	41.5	29,913	3,545	10.84	1263781
15	Pioneer	P1498AM1	NSPS	32		11290	924	120	25.5	33.5	7.1	5.8	32.9	48.0	38.3	32,996	3,700	10.3	1263782

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Temperature, rainfall and solar radiation are estimates based on available data from weather stations in the area. Crop growth indices for individual hybrids, including estimates of silking and maturity dates, are produced by the proprietary EnClass® crop growth model using this weather information. Though crop growth indices produced by the model are calibrated based on historical field observations of products, they may not accurately reflect the growth stage at an individual location. Where shown, soil information is provided by Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Soil Survey Geographic (SSURGO) Database available online at <http://soildatamart.nrcs.usda.gov>. Information and results contained herein represent the average of all comparisons across the area indicated. Results may not predict future performance and may not be complete. Testing accuracy, area variations and a limited environmental base can give misleading results. Multi-year and multi-location information is a better predictor of future performance. Please use this information as only one component of your product positioning decision.

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 nematicide 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.

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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.

AVBL,YGCB,HX1,LL,RR2 (Optimum® Leptra[TM]) - Contains the Agrisure Viptera® trait, the YieldGard Corn Borer gene, the Herculex® I gene, the LibertyLink® gene, and the Roundup Ready® Corn 2 trait.

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 Optimum AcreMax 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.

DG - Contains the Genuity® DroughtGard™ 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-3220-EZR - Contains the Agrisure Viptera® trait stack and the E-Z Refuge® technology.

AS-3122-EZR - Contains the Agrisure® trait stack and the E-Z Refuge® technology.

AS-3011 - Contains the Agrisure® 3000GT traits.

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-3011A or AS-4011 – Agrisure® 4011 trait stack – Contains the Agrisure 3000GT traits, and the Agrisure Artesian™ technology.

ART - Syngenta traits or trait stacks followed by an "A" also contain the Agrisure® Artesian™ technology such as AS-3011A or GTA.

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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.

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 percent 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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