

# Pioneer TRIALS Reporting

## Location Summary Report

<b>Experiment:</b> West CCH PKP CG 103-106CRM <b>Tracking Name:</b> OFGC19120264_0005 <b>Crop:</b> Corn Grain <b>Previous Crop:</b> Soybeans <b>Row Width (in):</b> 30 <b># Rows Harvested (count):</b> 8 <b>Planting Date:</b> 05/14/2019 <b>Harvest Date:</b> 09/27/2019	<b>Sales Agency:</b> Pederson Seed & Services Inc <b>Trial location:</b> Latitude: 39.94146 <b>Trial Type:</b> <input type="checkbox"/> Agronomic <input checked="" type="checkbox"/> Genetic <b>Irrigation:</b> <input type="checkbox"/> Full <input type="checkbox"/> Limited <input checked="" type="checkbox"/> Non-irrigated <input type="checkbox"/> Unknown <b>Tillage:</b> <input type="checkbox"/> Conservation <input type="checkbox"/> Conventional <input type="checkbox"/> Mulch <input checked="" type="checkbox"/> No-Till <input type="checkbox"/> Ridge <input type="checkbox"/> Strip <input type="checkbox"/> Unknown <b>Weighing Device:</b> <input type="checkbox"/> Both <input checked="" type="checkbox"/> Weighed <input type="checkbox"/> Yield Monitor	<b>BP Name:</b> Precision Farms LLC <b>BP ID:</b> 18382370 <b>Longitude:</b> -95.60879 <b>State:</b> KS <b>Postal Code:</b> 66434 <b>County:</b> Brown
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Comments:

Additional Location Traits:

Brand	Product	Sub Product Code	Planting Rate (n/.001a)	# Rows Planted (count)	Harvested			Weighed			Test Weight (lb/bu)	Harvest Stand (n/.001a)
					Harvest Weight (lb)	Harvest Length (ft)	Harvest Width (in)	Yield (bu/a 56#)	Moisture (pct)	AGI \$/a		
1-Pioneer	P0688AM	NWPS	34	8	3774	667	240	212.3	18	823.72	57	
2-Pioneer	P1077AM	NWPS	34	8	4110	667	240	227	19.5	867.14	58.1	
3-Pioneer	P1089AM	NWPS	34	8	4198	667	240	234.1	18.7	901.75	58.7	
4-Pioneer	P1138AM		34	8	3970	667	240	223.3	18	866.40	58.5	
5-Pioneer	P1197AM		34	8	4196	667	240	230.9	19.8	879.27	57.3	
6-Pioneer	P1244AM		34	8	4134	667	240	230	18.9	884.12	57.3	
7-XL Brand	6282AM		34	8	4226	667	240	234.5	19.1	899.54	58.3	
8-Pioneer	P1366AML		34	8	4156	667	240	228.9	19.7	872.57	58.7	
9-Pioneer	P1370AM		34	8	4056	667	240	221.5	20.4	838.16	56.4	
10-Pioneer	P1464AML		34	8	4282	667	240	230.9	21.4	864.49	56.9	
11-Beck's	6414V2P		34	8	4488	667	240	242.6	21.2	910.24	56.5	
12-Pioneer	P1563AM		34	8	4742	667	240	255.4	21.5	955.20	58	
13-Beck's	6589V2P		34	8	4500	667	240	238.9	22.6	882.97	57	
14-Pioneer	P1572AM		34	8	4274	667	240	229.6	21.7	856.87	56.9	
15-Beck's	6774V2P		34	8	4334	667	240	227.1	23.6	830.28	56.7	
16-Pioneer	P1903AM		34	8	4138	667	240	215.2	24.2	781.61	54.2	

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Brand	Product	Sub Product Code	Planting Rate (n/.001a)	# Rows Planted (count)	Harvested			Weighed			Test Weight (lb/bu)	Harvest Stand (n/.001a)
					Harvest Weight (lb)	Harvest Length (ft)	Harvest Width (in)	Yield (bu/a 56#)	Moisture (pct)	AGI \$/a		
17-Pioneer	P1197	T91S	34	8	4308	667	240	236.4	20	898.32	55.6	
18-Pioneer	P1197	T92S	34	8	4322	667	240	236.9	20.1	899.27	55.7	
19-Pioneer	P1138AM	NWPS	34	8	4098	667	240	227.1	19.2	870.25	57.4	

Market Price	Market Segment	Segment Price Adj.	Adjustment	Total Market Price
\$4.00	Standard	\$0.04	\$0.00	\$4.00
\$4.00	High Oil	\$0.04	\$0.00	\$4.00
\$4.00	High Oil SX	\$0.04	\$0.00	\$4.00
\$4.00	White	\$0.04	\$0.20	\$4.00
\$4.00	Waxy	\$0.04	\$0.35	\$4.00

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**Business Partner Signature:** \_\_\_\_\_

**Weighing Representative Signature:** \_\_\_\_\_

Data Entry  
Sales Reps and Retailers  
1000W Jefferson St., Tipton, IN 46072  
1.877.746.6337 option 4

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(1) YIELD = (100 - MOISTURE) x (LBS. OF GRAIN) x (FACTOR) ÷ (HARVESTED LENGTH IN FEET) ÷ (HARVESTED WIDTH IN INCHES). Not applicable if weighed with Yield Monitor. Yield monitor yields are estimates of yield taken from the yield monitor data files. Yield estimate calculations are dependent on the equipment and software manufacturer. Yield estimates from a yield monitor can vary significantly from actual yields of hybrids/varieties at a single point, within areas of a field or in aggregate. Any number of factors such as inappropriate calibration, machine settings, machine dynamics, grain characteristics, temperature, slope, operator error, etc. can impact the accuracy of yield monitor yield estimates.

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, Pioneer makes no representations or warranties as to its accuracy, completeness or suitability.

All Pioneer products are hybrids unless designated with AM1, AM, AMRW, AMT, AMX and AMXT, in which case they are brands.

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. 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 common stalk borer; and above average resistance to fall armyworm. 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.

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. AM1 - Optimum® AcreMax® 1 Insect Protection System with an integrated corn rootworm refuge solution includes HXX, 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 - Optimum® AcreMax® RW Rootworm Protection system with a single-bag integrated corn rootworm refuge solution includes HXRW, LL, RR2. 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 corn borer fuge must be planted with Optimum AcreMax products. 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 corn borer refuge must be planted with Optimum AcreMax Xtra products. AMXT (Optimum® AcreMax® XTreme) - Contains a single-bag integrated refuge solution for above- and below-

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ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® XTRA genes. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax XTreme products. RW,YGCB,HXX,LL,RR2 (Optimum® Intract® 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 Intract XTreme will be the major component of Optimum AcreMax XTreme. AVBL,YGCB,HX1,LL,RR2 (Optimum® Leptra®) - Contains the Agrisure Viptera® trait, the YieldGard Corn Borer gene, the Herculex® I gene, the LibertyLink® gene, and the Roundup Ready® Corn 2 trait.

AMT - Optimum® AcreMax® TRIsect® Insect Protection System with RW,YGCB,HX1,LL,RR2. Contains a single-bag refuge solution for above and below ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene, and the Herculex® I genes. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax TRIsect products.

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. SSTX  $\zeta$  Genuity SmartStax  $\zeta$  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. 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. YGCB,HX1,LL,RR2 (Optimum® Intract®) - Contains the YieldGard® Corn Borer gene and Herculex® I gene for resistance to corn borer. YGCB,HXX,LL,RR2 (Optimum® Intract® XTRA) - Contains the YieldGard® Corn Borer gene and the Herculex XTRA genes for resistance to corn borer and corn rootworm. VT2P-RIB - Contains the Genuity® VT Double PRO RIB Complete  $\zeta$  technology for above-ground insect protection.

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 Agrisure Artesian(TM) technology. AVBL,CB,LL,GT - Contains the Agrisure Viptera® 3110 trait stack: Agrisure Viptera®, Agrisure® CB and Agrisure® GT traits. AS-3122-EZR - Contains the Agrisure® trait stack and the E-Z Refuge® technology. AS-3011 - Contains the Agrisure® 3000GT traits. ART - Syngenta traits or trait stacks followed by an A also contain the Agrisure® Artesian(TM) technology such as AS-3011A or GTA.

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. 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. SSTX-RIB - Contains either the SmartStax® RIB Complete technology or the REFUGE ADVANCED  $\zeta$  powered by SmartStax® technology. DG - Contains the Genuity® DroughtGard(TM) technology. AV-3220-EZR - Contains the Agrisure Viptera® trait stack and the E-Z Refuge® technology.

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