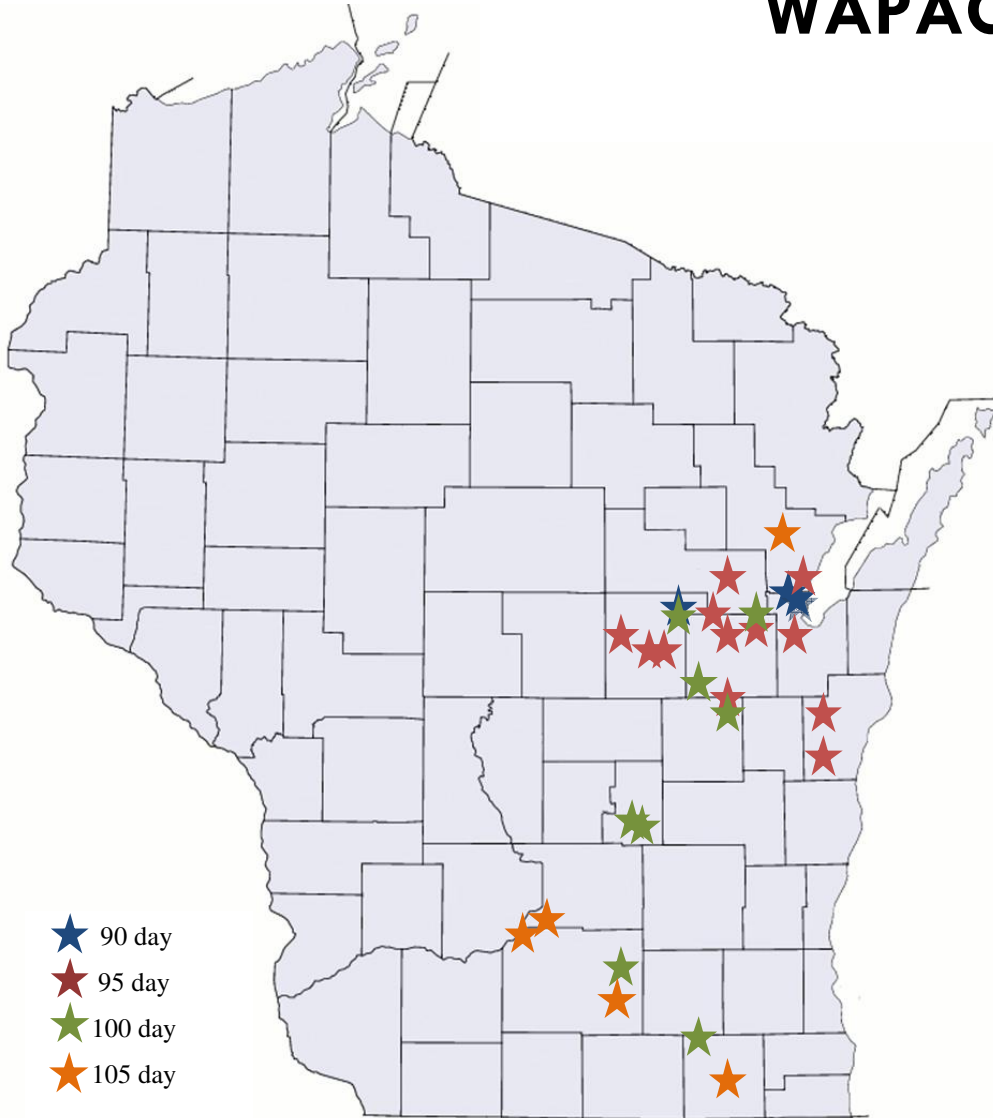
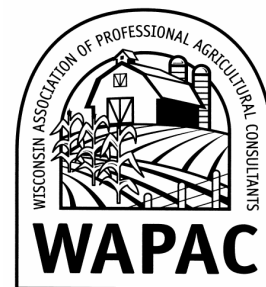


Wisconsin On-Farm Testing WAPAC Corn Trials 2011



Wisconsin Association of Professional Ag Consultants
University of Wisconsin – Extension
Independent, Replicated, On-Farm Research



2011 WAPAC Corn Performance Trials

2011 Data Analyzed and Compiled by Jon Baldock, PhD (Baldock Statistical Services, Verona, WI) in cooperation with the Wisconsin Association of Professional Ag Consultants (WAPAC)

Introduction

Before the time of universities, industry research programs or crop consultants, farmers implemented changes in their production practices through a myriad of methods with some success. The process of incremental change and gradual improvements has evolved into an impressive system of research, development and production never imagined just decades ago. This production system, while impressive and productive can attribute much of its success on the recurring question asked by the farmer: "What am I going to do differently next season?"

The answer to the question hopefully results in an improvement of efficiency and profitability that is real and a result of the changes implemented. Our production system is dependent on selecting the inputs and operations that achieve a desired outcome. The process of testing a hypothesis and using the information gained in a cooperative, systematic manner has been highly successful in providing viable options for producing food, feed and fiber on the farm. However, that success has created what can be a bewildering mix of options that leave the farmer and farm advisor struggling with the answer to the question above. As a result, the Wisconsin Association of Professional Agricultural Consultants (WAPAC) and UW-Extension have worked together with farm clients across the state to develop a network for the purpose of conducting applied research trials.

This network consists of crop consultants, local and statewide extension faculty and most importantly farmers cooperating in a coordinated effort across Wisconsin. The objective of this program is to evaluate new technologies and management practices. Trials are conducted across a wide range of environments and management schemes in replicated plots using production scale equipment. This publication summarizes the results of on-farm hybrid trials conducted during 2011.

Identifying the source of variability in yield is a primary objective in any hybrid trial. The use of statistical methods including replication and means comparisons improves the reliability and confidence of results and outcome from the implemented practice. On-farm testing with field scale equipment has traditionally been used for demonstration in non-replicated trials. An overriding strength of on-farm evaluations is the credibility of the results in the eyes of the end user, the farmer by showing how the practice responds within his production system. Often the power of these trials can be enhanced with simple modifications such as replication within locations and across multiple sites with coordinated effort. That coordination is what the membership of WAPAC and UW Extension provide in the execution of the trials. The advent of effective tools for collecting data related to crop production such as weigh wagons, on farm scales and yield monitors have removed many of the traditional barriers of on-farm trials. The increased incidence of having a trained specialist such as a crop consultant on the farm enables the coordination of multi-site evaluations that address production concerns in a real time manner. The evolution of all components of the production process will likely increase the need for more on-farm data collection and analysis as agriculture moves into the future. Collaborative efforts such as this will be necessary to utilize the wealth of information residing in the data collected at the farm.

Methodology of the On-Farm Trials

A recognized strength of field scale on-farm trials is the low coefficient of variability achieved within this type of trial as compared to smaller traditional field research trials. The coefficient of variability (CV) can be looked as a measure of quality of the trial itself. By reducing or addressing the variability of sites or practices within a trial, one can better evaluate the treatment effects of the trait or practice being tested. The use of randomization, replication and thoughtful plot layout help improve the quality of information gleaned from the trial. The WAPAC Hybrid Trials use a minimum of 2 replications for each site and

treatments (hybrids) are randomly placed within each replication. Plots are planted across sources of variability such as soil types or slopes to provide somewhat uniform representation of these sources within each replication. The plots are planted and harvested with field scale equipment. Individual plot sizes for hybrid trials are typically 6 to 12 rows wide and run distances of 500 to over 1000 feet in length. Data and observations are collected throughout the growing season and utilized in the analysis when appropriate. Information identifying plot locations, production inputs, site characteristics along with other supporting information is systematically collected and recorded in a database format to facilitate user queries and data archival.

Using the Results

Coupling the information from this publication with the UWEX Hybrid Corn Performance Trials as well as other hybrid performance trials will give the user the ability to evaluate how a particular hybrid performs in multiple environments. Predicting the performance of a hybrid in the future is done through analysis of past performance. A primary factor in the prediction is the number of locations or replications of a hybrid. This trial typically provides 6 to 12 or more replications of a hybrid at 3 to 6 locations across the state.

The results are reported in Yield per acre and Grower return.

Gross Margin = Gross Income - drying cost - test weight dockage, where

Gross Income is the yield times \$6.00/bu, and

Drying cost is 2.0¢/bu wet corn for each half point above 15%, and

Test weight dockage is

2¢/bu for each lb/bu below 54 lbs/bu, plus

3¢/bu for each lb/bu below 52 lb/bu, plus

5¢/bu for each lb/bu below 50 lbs/bu,

assuming drying the grain adds 1 lb/bu to the test weight.

The data tables contain the number labeled "LSD" which stands for least significant difference. LSD's at the 10% level of probability are shown. Where the difference between two selected treatments within a column is equal to or greater than the LSD value at the bottom of the column, you can be sure that in nine out of ten chances that there is a real difference between the two treatment averages. If the difference is less than the LSD value, the difference may still be real, but the experiment has produced no evidence of real differences.

Statistics are a tool to help prevent us from deceiving others and ourselves. Growing conditions in any particular year can have large effects on certain practices. Two years of replicated data are a minimum for supporting most practices. On-farm testing is not a quick cure for anything, but it should greatly accelerate innovation and adoption of new practices by providing reliable, quantitative answers that apply directly to a producer's situation. Treatments frequently differ in performance and these differences may vary with management practices, weather patterns, soil conditions, and other environmental and management practices. Replicated trials that take into account field variability are more reliable than non-replicated trials and improve the confidence of implementing of new practices for profitable crop production.

(Written by Bill Stangel and Joe Lauer, WAPAC Executive Council Members, December 2003. Corn price and drying cost updated for 2011.)

WAPAC Trial Information: 90 day

Location	tri_id		Planting Date		Fall and	Soil test			Fertilizer (lb/a)			
Cooperator	Soil series	Previous	Row width	Harvest Date	Spring Tillage	pH	P	K	N	P	K	Weed
Consultant	Soil texture	crop	Population		Cultivation	---ppm---			Micro + Manure			Control
Clintonville, WI	901	Soybeans	5/31/2011	12/12/2011	Fall Ripper	6.7	16	62	153	56	0	SureStart 1 3/4 pt
Paul Kirchner	Symco		30		Spring Field							Credit Extra 1 qt
Mike Kiddy			32,000		Cultivator							Dicamba 2 oz AMS 3 #
Pulaski, WI	902	Alfalfa	5/17/2011	10/28/2011	Fall Chisel	7.3	12	63	170	50	132	Lumax 2 qt
Lardinois Farms	Hortonville		30		2X Field							
Jeff Polenske	loam		32,000		Cultivator							
Pulaski, WI	903	Corn	5/21/2011	11/21/2011	Fall Chisel	7.3	49	117	144	67	196	SureStart 1 1/2 qt
Ullmer Acres	Manawa		30		Spring Field							Clear Out 3/4/qt
Nathen Nysse	loamy clay		31,000		Cultivator 2X							

WAPAC 2011 Corn Trials: 90-day Relative Maturity Data - Means Across Locations.

Brand	Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†,‡
NK	N29T-3000GT	27937 *	5.5 *	52.3	18.3 *	180 *	1050 *
Garst	89K65-3000GT	27375 *	7.0 *	53.5	19.3 *	178 *	1032 *
Golden Harvest	H-6455-3111	29312 *	6.5 *	51.9	19.6	179 *	1027 *
PIP	3190 3000GT	27850 *	7.2 *	52.5	18.2 *	175 *	1018 *
Pioneer	P8906HR	29250 *	6.8 *	55.6 *	18.4 *	172 *	1008 *
Croplan	3114VT3	28785 *	7.6 *	54.6 *	18.3 *	169 *	993 *
Dairyland	St-9789 SSX	29625 *	6.3 *	53.1	18.4 *	167	978
Number of locations		2	2	3	3	3	3
Mean		28587	6.6	53.3	18.7	175	1018
LSD(10%)§		3685	3.1	1.7	1.3	13	71

† Means followed by a star are not significantly different than the "best" at the 10% level of significance. The "best" is the maximum value for all measures except lodged and moisture, where the "best" value is the minimum value.

‡ Gross Margin = Gross Income - drying cost - test weight dockage, where

Gross Income is the yield times \$6.00/bu, and

Drying cost is 2¢/bu wet corn for each half point above 15%.

Test weight dockage is 2¢/bu for each lb/bu below 54 lbs/bu, plus 3¢/bu for each lb/bu below 52 lb/bu, plus 5¢/bu for each lb/bu below 50 lbs/bu, assuming drying the grain adds 1 lb/bu to the test weight.

§ LSDs vary due to missing plots (see site table) approximate values are given here.

WAPAC 2011 Corn Trials: 90-day Relative Maturity Yields by Location.

		Location Yield, bu/a @ 15% moisture		
Brand	Hybrid	901 Clintonville	902 Pulaski	903 Pulaski
Croplan	3114VT3	160	193	139†
Dairyland	St-9789 SSX	158	179	165
Garst	89K65-3000GT	155	188	190
Golden Harvest	H-6455-3111	169	200	167
NK	N29T-3000GT	169	196	176
Pioneer	P8906HR	166†	185	173
PIP	PIP 3190 3000GT	160	196	162†
Mean		162	191	174
Number of reps		2	2	2

† One plot missing due to raccoon damage.

WAPAC Trial Information: 95 day

Location	tri_id		Planting Date		Fall and	Soil test			Fertilizer (lb/a)			
Cooperator	Soil series	Previous	Row width	Harvest Date	Spring Tillage	pH	P	K	N	P	K	Weed
Consultant	Soil texture	crop	Population		Cultivation	---ppm---			Micro + Manure			Control
Appleton, WI Vosters Dairy Jeff Polenske	9501 Kewaunee silt loam	Alfalfa	5/20/2011 30 32,000	10/19/2011	Fall Chisel Field Cultivator 3X	7.3	42	127	192	48	223	Lumax 2 1/2 qts
Black Creek, WI Roger and Joann Seitz Bill Schaumberg	9502 Hortonville Sandy loam	Corn silage	5/22/2011 30 32,500	10/17/2011	Spring Field Cultivator 2X	7.7	17	73	129	24	106	Parralel 1 1/3 pt Hornet WDG 3 oz Atrazine 1/2 lb Glyphosate 1 qt
Bonduel, WI Sorenson Grain Phil Stern	9503		5/18/2011 30 28,000	11/17/2011	Spring Dick Spring Mulchfinisher	6.7	22	87	140	40	40	Lumax 1 1/4 qt Roundup 1 qt
DePere, WI Robertson Bros Jeff Polenske	9504 Hortonville sandy loam	Soybeans	6/5/2011 30 30,000	10/31/2011	Fall Chisel Spring Field Cultivator 2X	7	20	90	120	60	192	Lumax 2 qt
Hortonville, WI Steve Jack Paul Knutzen	9505 Hortonville	Corn	5/20/2011 30	11/17/2011	Fall Chisel Spring Field Cultivator 2X Rotary Hoe	7.1	30	106	190	12	60	Lumax 2 1/2 qt
Iola, WI Paul Reiersen Paul Knutzen	9506 Rosholt	Alfalfa	5/14/2011 30 32,000			6.5	21	86				
Manawa, WI Dan Boerst Mike Kiddy	9507 Hortonville	Corn	5/24/2011 30 32,500	10/29/2011	Fall Chisel Spring Field Cultivator	6.8	18	120	151	102	268	Lumax 2 qt
Manawa, WI Fietzer Farms Nathen Nysse	9508 Hortonville silt loam	Soybeans	5/7/2011 30 35,000	10/22/2011	Spring Chisel Spring Field Cultivator 2x	7	124	215				Lumax 1 1/2 qt Parallel 3/4 pt Atrazine 1/2#
Reedsville, WI Larry Krepline Carl Buchner	9509 Kewaunee loam	Soybeans	5/16/2011 30 32,500	11/4/2011	Fall Chisel Spring Field Cultivator 2X	6.7	17	77				Roundup P Max 21 oz Dual II Magnum SI 1 pt Aatrex 4L 1/2 pt Callisto 1 oz

WAPAC Trial Information: 95 day

Location	tri_id		Planting Date		Fall and	Soil test			Fertilizer (lb/a)			
Cooperator	Soil series	Previous	Row width	Harvest Date	Spring Tillage	pH	P	K	N	P	K	Weed
Consultant	Soil texture	crop	Population		Cultivation	---ppm---			Micro + Manure			Control
Seymour,WI	9510	Corn	5/15/2011	11/7/2011	Spring Field	7.6	51	161	160	76	287	Lumax 2.5 qt
Marvin & Ann Marie	Onaway		30		Cultivator							
Karweick	Silt loam		32,500									
Bill Schaumberg												
St Nazianz,WI	9511	Soybeans	5/18/2011	10/24/2011	Fall Chisel Disk	7.8	22	119				Acetochlor 3/4 pt
Mark Litz	Kewaunee		30		Spring Field							Glyphosate 24 oz
Steve Hoffman	Silt loam				Cultivator 2X							Yukon 2 oz
Suamico,WI	9512	Wheat	5/4/2011	11/4/2011	Spring Disk	6.4	42	118				Verdict 12 oz
Jerry Peters			30		Spring Field							Roundup 1 qt
Phil Stern			29,000		Cultivator							

WAPAC 2011 Corn Trials: 95-day Relative Maturity Data - Means Across Locations.

Brand	Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†,‡
Pioneer	P9630AM1	29708	5.8 *	53.9 *	22.4	182 *	1033 *
Dairyland	ST-9395SSX	30565 *	4.7 *	52.5	23.0	182 *	1028 *
Garst	88R16-3000GT	28940	7.9 *	54.3 *	20.7 *	176	1013 *
NK	N36K-3000GT	29519	5.3 *	53.1	22.2	176	1003
Renk	RK580VT3	30102 *	4.8 *	52.6	24.9	179 *	998
Croplan	3424SS	29940 *	2.7 *	53.0	24.9	176	979
PIP	4198- 3000GT	29759	12.0	52.4	24.3	174	971
Golden Harvest	H-7162-3000GT	29639	7.2 *	51.8	24.0	171	953
Number of locations		9	4	11	12	12	12 ¶
Mean		29697	6.7	52.9	23.3	177	996
LSD(10%)§		716	5.6	1.0	0.7	5	30

† Means followed by a star are not significantly different than the "best" at the 10% level of significance. The "best" is the maximum value for all measures except lodged and moisture, where the "best" value is the minimum value.

‡ Gross Margin = Gross Income - drying cost - test weight dockage, where
Gross Income is the yield times \$6.00/bu, and
Drying cost is 2¢/bu wet corn for each half point above 15%.
Test weight dockage is 2¢/bu for each lb/bu below 54 lbs/bu, plus 3¢/bu for each lb/bu below 52 lb/bu, plus 5¢/bu for each lb/bu below 50 lbs/bu, assuming drying the grain adds 1 lb/bu to the test weight.

§ LSDs vary due to missing plots (see site table) approximate values are given here.

¶ One location did not include dockage for test weight.

WAPAC 2011 Corn Trials: 95-day Relative Maturity Yields by Location.

		Location Yield, bu/a @ 15% moisture						
Brand	Hybrid	9501 Appleton	9502 Black Creek	9503 Bonduel	9504 De Pere	9505 Hortonville	9506 Iola	9507 Manawa
Croplan	3424SS	191	163	162	163	183	162	148
Dairyland	ST-9395SSX	192	178	169	177	182	170	172
Garst	88R16-3000GT	170	160	183	161	187	172	160
Golden Harvest	H-7162-3000GT	175	176	173	160	175	162	152
NK	N36K-3000GT	186	170	172	165	190	170	161
Pioneer	P9630AM1	189	178	178	169	185	177	160
PIP	4198-3000GT	176	167	169	159	189	163	168
Renk	RK580VT3	179	182	168	165	183	159	168
Mean		182	172	172	165	184	167	161
Reps		2	2	2	2	2	2	2

† Seed not available at this site.

		Location Yield, bu/a @ 15% moisture				
Brand	Hybrid	9508 Manawa	9509 Reedsville	9510 Seymour	9511 St Nazianz	9512 Suamico
Croplan	3424SS	202	189	186	191	168
Dairyland	ST-9395SSX	196	208	201	185	158
Garst	88R16-3000GT	198	189	193	188	151
Golden Harvest	H-7162-3000GT	166	182	186	190	160
NK	N36K-3000GT	198	174	179	190	163
Pioneer	P9630AM1	200	202	198	189	159
PIP	4198-3000GT	175	189	189	193	149
Renk	RK580VT3	†	204	205	189	158
Mean		191	192	192	189	158
Reps		2	2	2	2	2

† Seed not available at this site.

WAPAC Trial Information: 100 day

Location	tri_id		Planting Date		Fall and	Soil test	Fertilizer (lb/a)					
Cooperator	Soil series	Previous	Row width	Harvest Date	Spring Tillage	pH	P	K	N	P	K	Weed
Consultant	Soil texture	crop	Population		Cultivation	---ppm---			Micro +	Manure		Control
Appleton, WI	1001	Corn	5/11/2020	10/22/2011	No Till	7.5	11	82	181	90	319	Credit Extra 1 qt (2x)
Dave McCarthy	Hortonville		30									Parallel 1 pt
Jeff Polenske	silt loam		30,000									Orical 1 pt
Clintonville, WI	1002	Alfalfa	5/20/2011	11/15/2011	No Till	7	33	130	161	66	153	Volley ATZ Lite 1.25 qt
Doug Behnke	Hortonville		30									AMS 3 #
Mike Kiddy			32,000									Hornet 2 oz
												Credit Extra 1 qt
Markesan, WI	1003	Corn	5/19/2011	11/21/2011	Spring Disk 3X	7.2	12	70	177	24	60	Glyphosate 1 1/4 qt
Steve Stellmacher	Kidder		38							8S		Prowl 2 pt
Rachel Mueller	silt loam		32,500							.6Zn		Status 4 oz
Markesan, WI	1004	Corn	5/11/2011	10/29/2011	Fall Chisel	6.4	20	159	141	21	53	Dual 1 pt
Russell Zastrow	Plano		36		Spring Disk					8S		Cornerstone 1 qt
Rachel Mueller	silt loam		33,000		Spring Finisher					.5Zn		
Marshall, WI	1005	Corn	5/17/2011		Spring Disk	6.4	17	105	150	67	81	SureStart 2 pt
Russ Dahl	Marshan		30		Spring Field					10S		Glyphosate 1 qt
Tom Novak	silt		32,000		Cultivation							
New London, WI	1006	Soybeans	5/8/2011		Fall Chisel	7.4	114	65	147	15	51	Parrellel 2 pt
Larry Danke	Hortonville		30		Spring Till-All					6.8 S		Python 1 1/3 oz
Paul Knutzen												
Seymour, WI	1007	Corn	4/19/2011	10/26/2011	Fall Chisel	7.3	39	120	123	58	178	Lumax 2 qt
Pat & Karen Van Lanen	Hortonville		30		Spring Field							
Jeff Polenske	loam		31,000		Cultivator 2x							
Whitewater, WI	1008	Soybeans	5/7/2011	11/7/2011	No-till	7	31	110	144	46	120	Harness 2 pt
Tom Hoffman	Mahalasville		30							24S		Glyphosate 1 qt
Tom Novak	silt		34,000									Buctril 1 1/2 pt

WAPAC 2011 Corn Trials: 100-day Relative Maturity Data - Means Across Locations.

	Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†,‡
Brand							
Pioneer	P9910AM1	30604	7.5	52.1	19.5 *	191 *	1095 *
Renk	RK698VT3	29021	6.5	54.5 *	20.2	189 *	1083 *
Croplan	5237SS	32646 *	7.7	52.6	21.5	188 *	1068 *
Dairyland	ST9500SSX	32146 *	7.7	54.6 *	20.4	185 *	1061 *
NK	N39M-3000GT	30813	7.2	53.5	20.0	178	1024
PIP	5001 Viptera 3111	31083 *	7.2	53.4	21.5	174	992
Golden Harvest	H-7628-3000GT	30354	6.0	53.7 *	20.0	173	991
Garst	88U62-3000GT	31521 *	3.2 *	54.1 *	19.0 *	168	974
Number of locations		6	3	8	8	8	8
Mean		31023	6.6	53.6	20.3	181	1036
LSD(10%)§		2292	2.3	1.1	0.8	6	36

† Means followed by a star are not significantly different than the "best" at the 10% level of significance. The "best" is the maximum value for all measures except lodged and moisture, where the "best" value is the minimum value.

‡ Gross Margin = Gross Income - drying cost - test weight dockage, where

Gross Income is the yield times \$6.00/bu, and

Drying cost is 2¢/bu wet corn for each half point above 15%.

Test weight dockage is 2¢/bu for each lb/bu below 54 lbs/bu, plus 3¢/bu for each lb/bu below 52 lb/bu, plus 5¢/bu for each lb/bu below 50 lbs/bu, assuming drying the grain adds 1 lb/bu to the test weight.

§ LSDs vary due to missing plots (see site table) approximate values are given here.

WAPAC 2011 Corn Trials: 100-day Relative Maturity Yields by Location.

		Location Yield, bu/a @ 15% moisture			
Brand	Hybrid	1001 Appleton	1002 Clintonville	1003 Markesan	1004 Markesan
Croplan	5237SS	180	183	174	186
Dairyland	ST9500SSX	165	191	171	172
Garst	88U62-3000GT	152	175	155	162
Golden Harvest	H-7628-3000GT	166	179	166	161
NK	N39M-3000GT	173	180	156	170
Pioneer	P9910AM1	182	180	189	178
PIP	5001 Viptera 3111	166	173	173	159
Renk	RK698VT3	174	188	178	172
Mean		170	181	170	170
Reps		2	2	2	2

		Location Yield, bu/a @ 15% moisture			
Brand	Hybrid	1005 Marshall	1006 New London	1007 Seymour	1008 Whitewater
Croplan	5237SS	186	213	185	200
Dairyland	ST9500SSX	180	210	180	206
Garst	88U62-3000GT	173	193	148	189
Golden Harvest	H-7628-3000GT	155	180	172	203
NK	N39M-3000GT	163	203	184	195
Pioneer	P9910AM1	195	221	176	203
PIP	5001 Viptera 3111	165	190	167	202
Renk	RK698VT3	175	224	187	211
Mean		174	204	175	201
Reps		2	2	2	2

WAPAC 2011 Corn Trials: 105-day Relative Maturity Data - Means Across Locations.

Brand	Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†,‡
AgriGold	A6389VT3PRO	31643 *	16.3 *	55.3 *	25.2	188 *	1047 *
Croplan	5415VT3P	31795 *	22.1 *	54.1	25.6	188 *	1039 *
Pioneer	P0448XR	32074 *	16.5 *	56.7 *	24.2 *	184 *	1034 *
Golden Harvest	H-8239-3111	32590 *	11.4 *	54.5	25.4	185 *	1031 *
NK	N49J-3000GT	30517	30.3	54.4	23.3 *	178	1008 *
Dairyland	ST9303SSX	32561 *	20.3 *	54.2	22.6 *	177	1004 *
Garst	85V88-3000GT	29137	21.3 *	53.8	27.7	184 *	1003 *
PIP	5804 3000GT	29463	30.3	54.1	24.3 *	175	983
Renk	RK694GTCBLLRWBL	30943 *	17.6 *	55.9 *	23.3 *	172	968
Number of locations		3	2	2	5	5	5
Mean		30989	20.7	55.5	23.6	182	1022
LSD(10%)§		1999	14.5	1.8	1.7	9	53

† Means followed by a star are not significantly different than the "best" at the 10% level of significance. The "best" is the maximum value for all measures except lodged and moisture, where the "best" value is the minimum value.

‡ Gross Margin = Gross Income - drying cost - test weight dockage, where

Gross Income is the yield times \$6.00/bu, and

Drying cost is 2¢/bu wet corn for each half point above 15%.

Test weight dockage is 2¢/bu for each lb/bu below 54 lbs/bu, plus 3¢/bu for each lb/bu below 52 lb/bu, plus 5¢/bu for each lb/bu below 50 lbs/bu, assuming drying the grain adds 1 lb/bu to the test weight.

§ LSDs vary due to missing plots (see site table) approximate values are given here.

WAPAC 2011 Corn Trials: 105-day Relative Maturity Yields by Location.

Brand	Hybrid	Location Yield, bu/a @ 15% moisture				
		1053 Elkhorn	1054 Lodi	1051 Cambridge	1055 Prairie Du Sac	1052 Cecil
AgriGold	A6389VT3PRO	142	202	200	196	205
Croplan	5415VT3P	146	196	201	196	202
Dairyland	ST9303SSX	138	183	186	190	192
Garst	85V88-3000GT	145	188	189	205	190
Golden Harvest	H-8239-3111	159	186	206	191	179
NK	N49J-3000GT	139	196	173	198	182
Pioneer	P0448XR	146	192	196	191	200
PIP	PIP 5804 3000GT	147	185	172	193	173
Renk	RK694GTCBLLRWBL	133	186	180	172	196
Mean		144	190	189	192	191
Reps		2	2	2	3	1

Thank you to everyone who contributed to the success of the 2011 WAPAC Corn Trials!

Data Analysis

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Bill Schaumberg – Polenske Agronomic Consulting, DePere, WI

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Phil Stern – Stern Crop Consulting, Bonduel, WI

- 95-day: Sorenson Grain, Bonduel, WI,
- 95-day: Jerry Peters, Suamico, WI

WAPAC Research Chair

Bill Schaumberg, Polenske Agronomic Consulting, DePere, WI

Phone: 920-475-3312

E-Mail: wgschaum@gmail.com

Links to the WAPAC Corn Trails are available on the WAPAC website: **www.wapac.info** under the Corn Trials tab

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