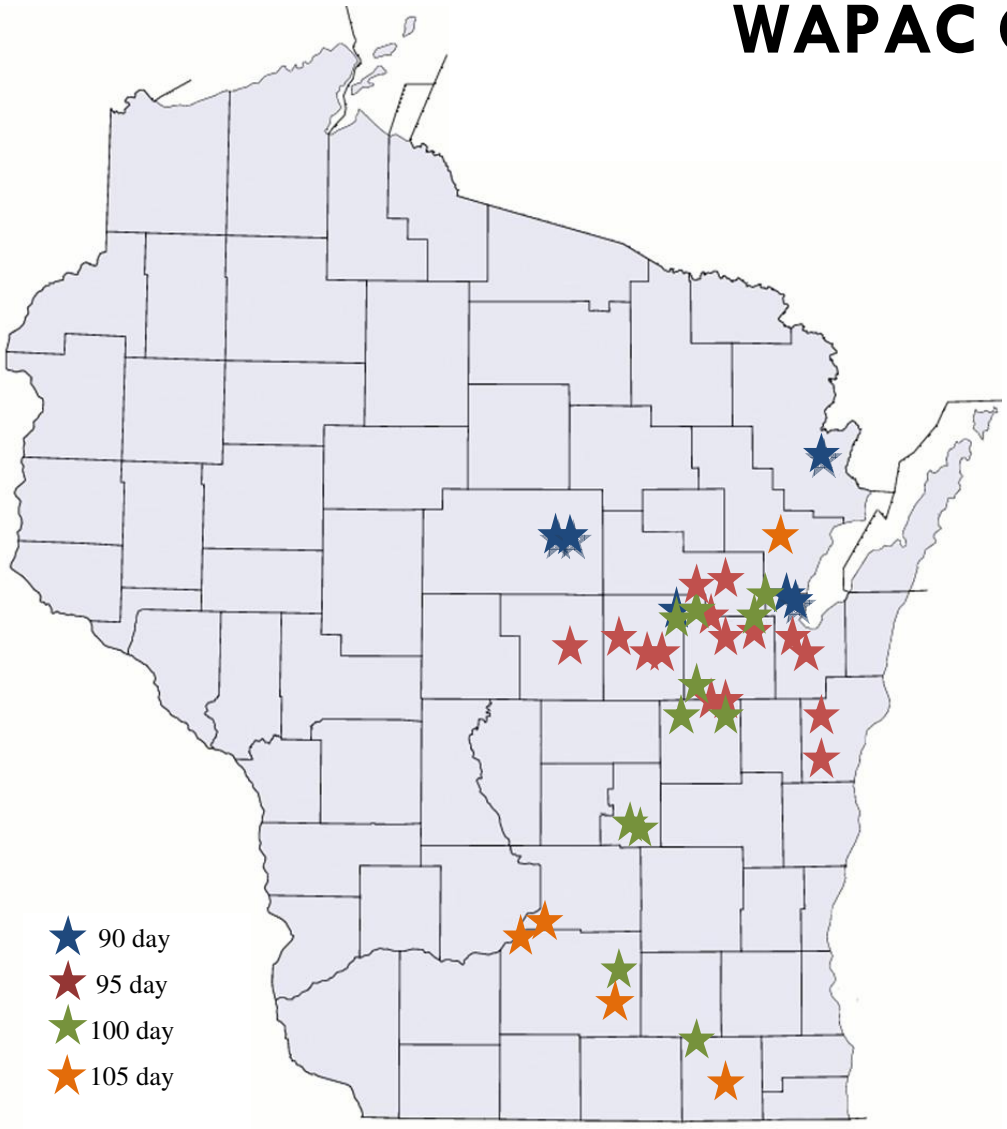
Wisconsin On-Farm Testing
WAPAC Corn Trials
2012



Wisconsin Association of Professional Ag Consultants
University of Wisconsin – Extension

Independent, Replicated, On-Farm Research

2012 WAPAC Corn Performance Trials

2012 Data Analyzed and Compiled by Jon Baldock, PhD (Baldock Statistical Services, Oregon,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 2012.

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 $7.40/bu, and
Drying cost is 2.0¢/bu wet corn for each point above 15%, and
Test weight dockage is
2¢/lb/bu from 53.9 to 52
3¢/bu from 51.9 to 50
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 2012.)

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
Athens,Wi	901	Corn Silage	5/5/2012	10/12/2012	Fall Chisel	7	46	159	125	34	124	Capreno 4 oz
Albrecht Family Farms	Fenwood		30		Spring Field							Atrazine .75 qt
Paul Sturgis			33,000		Cultivate							Dual II Magnum 1.25 pt
Athens,Wi	902	Alfalfa	5/15/2012	10/2/2012	Spring Chisel	7.4	29	48	130	0	65	Round-Up 22 oz
Rausch Farms	Fenwood		30		Spring Disk							Capreno 4 oz
Paul Sturgis			34,000									
Clintonville,WI	903	Alfalfa	5/18/2012	11/23/2012	Turbo Till 2X	6.6	18	107	167	56	0	Staunch 1.75 pt
Paul Kirchner	Hortonville		30							24S		Credit Extra 1 qt
Mike Kiddy			32,000									Dicamba 2 oz
												AMS 3 #
Crivitz,WI	904	Corn	5/14/2012	10/12/2012	No Till	6.4	26	66	108	17	6	SureStart 1 1/2 qt
Joe Dudkiewicz	Emmet		30						13.5S			Rage-D Tech 16 oz
Bill Schaumberg			30,000						.3Zn			Bucaneer Plus 1 qt
Pulaski,WI	905	Wheat	5/14/2012	11/6/2012	Fall Chisel	6.7	43	115	115	51	110	SureStart 1 1/2 qt
Ullmer Acres	Casco		30		2X Field							Clear Out 1 qt
Nathen Nysse			32,000		Cultivator							
Pulaski,WI	906	Grass Hay	5/25/2012	11/19/2012	Fall Chisel	7.5	14	48	140	30	30	Lumax 1.75 qt
Wilkey Farms			30		Spring Field							Round-Up 1 qt
Phil Stern			31,500		Cultivate 2X							

WAPAC 2012 Corn Trials: 90-day Relative Maturity Data - Means Across Locations.

Brand	Hybrid	Stand, No./A†	Lodged, %†	Test Weight, lbs/bu†‡	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, $/A†,‡
Croplan	3299VT3P	33573 *	3.3 *	56.2 *	18.3 *	172 *	1248 *
NK	N29T-3000GT	31935 *	5.6	54.7 *	19.7 *	171 *	1231 *
Dairyland	DS-9789SSX	32180 *	2.5 *	54.9 *	19.3 *	167 *	1204 *
Great Lakes	4282VT3PRO	32169 *	3.0 *	55.8 *	19.1 *	164 *	1188 *
PIP	3190-3000GT	32328 *	2.8 *	54.3 *	21.8	159 *	1142
NK	N24A-3000GT	31761 *	3.5 *	54.9 *	20.9 *	150	1079
Number of locations		3	4	3	4	3	4
Total number of replications		4	6	5	6	6	6
Mean		31865	2.8	55.1	19.7	163	1173
LSD(10%)		2950	3.0	2.3	2.9	14	105

† 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 $7.40/bu,
drying cost is 2¢/bu wet corn for each half-point above 15%, and
test weight dockage is 2¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50 lb/bu.

WAPAC 2012 Corn Trials: 90-day Relative Maturity Yields by Location.

Brand	Hybrid	Location Yield, bu/a @ 15% moisture					
		901 Athens	902 Athens	903 Clintonville	904 Crivitz	905 Pulaski	906 Pulaski
PIP	3190-3000GT	173	139	132	125	200	211
Croplan	3299VT3P	182	183	211	126	198	225
Great Lakes	4282VT3PRO	192	152	182	125	190	211
Dairyland	DS-9789SSX	166	176	185	134	194	211
NK	N24A-3000GT	152	142		113	192	
NK	N29T-3000GT	201	166	209	128	192	206
Mean		177	160	184	125	195	213
Reps		1	1	2	2	2	2

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
Bonduel,Wi	9501	Corn	5/20/2012	11/4/2012	Fall Chisel	7.7	32	94	176	73	164	Lumax pre 1.5 qt
Hillside Farms			30		Spring Mulch							Roundup 1 qt
Phil Stern			32,500		Finisher 2X							
Bonduel,WI	9502	Winter	5/8/2012	11/19/2012	Fall Deep Till	6.6	33	53	148	34	45	Lumax 2 qt
New Day Grain LLC		Wheat	30		Spring							
Phil Stern			33,000		Mulchfinisher							
DePere,WI	9503	Soybeans	5/19/2012	10/30/2012	Fall Chisel	7.1	14	74	100	50	160	Lumax 2.5 qt
Robertson Bros	Oshkosh		30		Spring Field							
Jeff Polenske			32,000		Cultivator							
Hortonville,WI	9504	Corn	5/19/2012	11/10/2012	Fall Tillage	7.3	20	131	165	18	0	Lumax 2 1/2 qt
Steve Jack	Hortonville		30		Spring Field					3S		
Paul Knutzen					Cutivator							
Manawa,WI	9505	Alfalfa	5/15/2012	11/20/2012	Fall Chisel	6.8	21	77	170	15	0	Lumax 1 qt
Dan Boerst	Hortonville		30		Spring Field							Credit Extra 3 gal
Mike Kiddy			32,500		Cultivator 2X							Dicamba 2 oz
												32% 3 gal
												AMS 3#
Manawa,WI	9506	Corn	5/29/2012	9/24/2012	Spring Chisel	6.8	26	81	181	58	313	Capreno 3 oz
Fietzer Farms	Hortonville		30		Spring Field							Parallel 1.33 pt
Nathen Nysse	silt loam		35,000		Cultivator 2x							Atrazine 3/4#
Reedsville,WI	9507	Soybeans	5/22/2012	11/5/2012	Fall Chisel	7.5	8	68				Roundup P Max 21 oz
Larry Krepline	Kewaunee		30		Spring Field							Volley 1 pt
Carl Buchner	loam		32,000		Cultivator 2X							Aatrex 4L 1/2 pt
												Callisto 1 oz
Seymour,WI	9508	Corn	4/28/2012	11/2/2012	Spring Field	7.7	18	101	189	87	336	Lumax 2.5 qt
Marvin & Ann Marie	Onaway		30		Cultivator							
Karweick			32,500									
Bill Schaumberg												
St Nazianz,WI	9509	Alfalfa	5/15/2012	10/12/2012	Fall Chisel Disk	7.2	24	144				Acetochlor 3/4 pt
Mark Litz			30		Spring Field							Glyphosate 1 qt
Steve Hoffman					Cultivator 2X							Yukon 2 oz

WAPAC 2012 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†,‡
PIP	4097 VIP 3111	29713	1.6 *	55.0 *	22.5	181 *	1283 *
Pioneer	P9630AM1	30512 *	0.9 *	55.5 *	21.0 *	179 *	1278 *
Dairyland	DS-9395 SSX	30618 *	0.9 *	55.2 *	21.2 *	176 *	1259 *
Croplan	3390VT3P	30467 *	0.9 *	55.4 *	20.7 *	175 *	1258 *
NK	NK36A-3000GT	29715	1.4 *	54.2	21.0 *	175 *	1254 *
Great Lakes	4646 STX RIB	29584	0.7 *	54.8 *	22.8	176 *	1250 *
NK	NK33R-3000GT	30068 *	0.9 *	55.5 *	20.5 *	169	1216
Number of locations		7	5	8	9	9	9
Total number of replications		13	9	15	17	17	17
Mean		29956	0.9	55.3	21.3	177	1266
LSD(10%)		846	1.0	0.9	0.8	6	42

† 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 $7.40/bu,
drying cost is 2¢/bu wet corn for each half-point above 15%, and
test weight dockage is 2¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50 lb/bu.

WAPAC 2012 Corn Trials: 95-day Relative Maturity Yields by Location.

Brand	Hybrid	Location Yield, bu/a @ 15% moisture				
		9501 Bonduel	9502 Bonduel	9503 De Pere	9504 Hortonville	9505 Manawa
Croplan	3390VT3P	201	187	209	178	95
PIP	4097 VIP 3111	211	194	212	195	115
Great Lakes	4646 STX RIB	212	198	204	175	103
Dairyland	DS-9395 SSX	203	190	208	177	109
NK	NK33R-3000GT	195	187	204		84
NK	NK36A-3000GT	216	187	207	181	90
Pioneer	P9630AM1	221	194	193	187	91
Mean		209	191	205	182	98
Reps		2	2	2	2	2

Brand	Hybrid	Location Yield, bu/a @ 15% moisture				
		9506 Manawa	9507 Reedsville	9508 Seymour	9509 St. Nazianz	9510 Wrightstown
Croplan	3390VT3P	105	200	206	218	153
PIP	4097 VIP 3111	105	202	210	216	157
Great Lakes	4646 STX RIB	103	183	224	206	146
Dairyland	DS-9395 SSX	105	190	205	213	161
NK	NK33R-3000GT	105	192	198	206	150
NK	NK36A-3000GT	99	191	214	213	161
Pioneer	P9630AM1	114	192	218	217	176
Mean		105	193	211	213	158
Reps		2	2	2	2	1

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	4/29/2012	10/3/2012	No Till	7.5	25	163	184	82	279	Credit Extra 1 qt (2x)
Dave McCarthy	Hortonville		30									Parallel 1 pt
Jeff Polenske			32,000									Orical 1 pt
Black Creek,WI	1002	Corn	5/15/2012	11/1/2012	Spring Field	7.7	17	73	136	15	39	Parralel 1 1/3 pt
Roger and Joann	Hortonville		30		Cultivator 2X				3S			Hornet WDG 3 oz
Seitz			32,500									Atrazine 1/2 lb
Bill Schaumberg												Glyphosate 1 qt
Clintonville,WI	1003	Alfalfa	5/9/2012	10/18/2012	No Till	6.4	17	84	163	49	131	Volley ATZ Lite 1.75 qt
Doug Behnke	Hortonville		30							1.2S		AMS 3 #
Mike Kiddy			34,000									Hornet 2.5 oz
												Credit Extra .75 qt
Deerfield,WI	1004	Soybeans	5/14/2012	11/1/2012	Spring Field	6.6	26	93				SureStart 2 pt
Russ Dahl	Dodge		30		Cultivation							Glyphosate 1 qt
Tom Novak			32,000									
Fremont,WI	1005	Soybeans	5/5/2012	10/27/2012	Fall Till	7.4	114	65	165	13	45	Parrellel 2 pt
Larry Danke	Hortonville		30		Spring Field					4S		Python 1 1/3 oz
Paul Knutzen			34,000		Cultivate							Roundup 1 qt
Markesan,WI	1006	Corn	5/12/2012	10/11/2012	Fall Chisel	5.9	40	161	152	60	60	Cinch 1 pt
Russell Zastrow	Mendota		36		Spring Disk					15S		
Rachel Mueller			33,000							1.5Zn		
Pulaski,WI	1007	Corn	5/11/2012	11/1/2012	Fall Chisel	7.3	18	62	130	68	185	Lumax 2.5 qt
Lardinois Farms	Soloma		30		Field							
Jeff Polenske			32,000		Cultivator							
Seymour,WI	1008	Alfalfa/	4/29/2012	10/1/2012	Fall Chisel	7.5	41	94	170	0	28	Lumax 1.75 qt
Pat & Karen Van Lanen	Symco	Corn	30		Spring Field							
Jeff Polenske			36,000		Cultivator							
Whitewater,WI	1009	Soybeans	5/14/2012	10/9/2012	No-till	6.2	22	93	144	46	120	Harness 2 pt
Tom Hoffman	St. Charles		30							12S		Glyphosate 1 qt
Tom Novak			34,000									Status 3 oz

WAPAC 2012 Corn Trials: 100-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†,‡
Croplan	3888VT3P	28375	0.3 *	55.3 *	21.3	187 *	1338 *
Golden Harvest	H-7652-4011	29550	0.8	54.8	22.4	188 *	1335 *
Pioneer	P9917 AM1	30025 *	0.6 *	55.9 *	20.7	182 *	1307 *
NK	N49W-3000GT	27755	0.5 *	54.3	21.7	178 *	1268 *
Dairyland	ST9501 SSX	31808 *	0.4 *	55.2 *	19.6 *	173	1243
Garst	87C68GT/CB/LL	30750 *	0.4 *	54.4	22.1	172	1223
PIP	4099-3000GT	29275	0.9	54.6	22.8	161	1141
Number of locations		5	4	5	7	7	7
Total number of replications		10	8	10	14	14	14
Mean		29648	0.5	54.9	21.5	177	1265
LSD(10%)		1893	0.4	0.8	1.0	12	87

† 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 $7.40/bu,
drying cost is 2¢/bu wet corn for each half-point above 15%, and
test weight dockage is 2¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50 lb/bu.

WAPAC 2012 Corn Trials: 100-day Relative Maturity Yields by Location.

Brand	Hybrid	Location Yield, bu/a @ 15% moisture				
		1001 Appleton	1002 Black Creek	1003 Clintonville	1004 Deefield	1005 Freemont
Croplan	3888VT3P	119	216	226	173	147
PIP	4099-3000GT	74	200	217	130	114
Garst	87C68GT/CB/LL	114	202	221	139	142
Golden Harvest	H-7652-4011	99	213	238	172	135
NK	N49W-3000GT	117	203	223	164	150
Pioneer	P9917 AM1	108	223	228	154	152
Dairyland	ST9501 SSX	40	218	223	149	
Mean		96	211	225	154	140
Reps		2	2	2	2	2

Brand	Hybrid	Location Yield, bu/a @ 15% moisture			
		1006 Markesan	1007 Pulaksi	1008 Seymour	1009 Whitewater
Croplan	3888VT3P	96	207	209	162
PIP	4099-3000GT	90	182	186	140
Garst	87C68GT/CB/LL	104	186	200	144
Golden Harvest	H-7652-4011		216	221	158
NK	N49W-3000GT	136	184	196	160
Pioneer	P9917 AM1	123	202	210	150
Dairyland	ST9501 SSX	113	221	197	160
Mean		110	200	203	153
Reps		2	2	2	2

WAPAC Trial Information: 105 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
Cambridge,WI	1051	Alfalfa	4/17/2012	11/2/2012	No-till	7.1	22	130	220	72	189	Harness 7EC 2.75pt
Jeff Notstad	Dodge		38						26S			Princep 90 .55 #/ac
A. D. Cole			34,000						1.4Zn			Roundup 21oz
Cecil, WI	1052	Corn	5/5/2012	10/16/2012	Spring Field	7.2	33	56	129	24	106	Keystone 1.8 qt
Wagner Farms Inc	Hortonville		30		Cultivator							Hornet WDG 3 oz
Bill Schaumberg												
Elkhorn,WI	1053	Corn	5/14/2012	10/29/2012	No-till	7.3	63	176	162	80	212	Harness 2 1/2 qt
Lauderdale Farms	Warsaw		30									Glyphosate 1 qt
Tom Novak			32,000									2,4-D ester 1 pt
												Glyphosate 1 qt
												Status 3 oz
Lodi,WI	1054	Corn	5/9/2012	10/31/2012	Spring Field	6.8	71	260	211	69	200	Harness 7EC 1.37pt
Lockner Dairy	Mt. Carrol		30		Cultivator				20S			Hornet WDG 2 oz
A. D. Cole			34,000						1Zn			Cornerstone 5 19 oz
Prairie Du Sac,WI	1055	Corn	5/12/2012	10/9/2012	No-Till	6.9	33	149	42	18	122	Basis Blend .825 oz
Dairy Forage	Ringwood		30									Parallel 20 oz
Research Center			34,000									Round-Up Power Max 22 oz
A. D. Cole												

WAPAC 2012 Corn Trials: 105-day Relative Maturity Data - Means Across Locations.

Brand	Hybrid	Stand, No./A†	Lodged, %†	Test Weight, lbs/bu†‡	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, $/A†,‡
Garst	85V88-3000GT	31331	0.8 *	54.0	21.7	131 *	937 *
Pioneer	P0392AMX-R	30266	0.8 *	57.7 *	19.4 *	125 *	897 *
Dairyland	DS-9303SSX	33833 *	1.0 *	55.1	18.3 *	124 *	894 *
Agrigold	A6319VT3Pro	31480	0.3 *	57.4 *	19.6 *	122 *	880 *
Golden Harvest	H-8211-3000GT	30265	6.0	54.7	20.3	121 *	864 *
Croplan	5415VT3P	30863	0.5 *	55.5	20.7	118 *	843 *
NK	N54H-3111	31745 *	2.0 *	53.9	22.1	118 *	840 *
PIP	5206-3000GT	31977 *	2.9 *	53.5	24.4	109	765
Number of locations		4	4	2	5	5	5
Total number of replications		8	8	3	10	10	10
Mean		32059	1.2	55.6	20.8	116	827
LSD(10%)		2097	3.5	1.2	1.3	16	114

† 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 $7.40/bu,
drying cost is 2¢/bu wet corn for each half-point above 15%, and
test weight dockage is 2¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50 lb/bu.

WAPAC 2012 Corn Trials: 105-day Relative Maturity Yields by Location.

		Location Yield, bu/a @ 15% moisture				
Brand	Hybrid	1051 Cambridge	1052 Cecil	1053 Elkhorn	1054 Lodi	1055 Prairie Du Sac
PIP	5206-3000GT	70	168	70	116	119
Croplan	5415VT3P	85	192	58	126	130
Garst	85V88-3000GT	117	189	65	138	146
Agrigold	A6319VT3Pro	70	212	90	101	144
Dairyland	DS-9303SSX	70	174	69	150	151
Golden Harvest	H-8211-3000GT	66	213	86	121	123
NK	N54H-3111	97	185	57	116	136
Pioneer	P0392AMX-R	80	204	69	123	149
Mean		82	192	70	124	137
Reps		2	1	2	2	3

Thank you **to everyone who contributed to the success of the 2012 WAPAC Corn Trials!**

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Dr. Jon Baldock, Research Director, Baldock Statistical Services, Oregon, Wisconsin

Seed Company Sponsors
Agrigold - Dave Welsh
Croplan Genetics – Pat Van Duerzen
Dairyland Seed – Boyd Hoffman
Partners in Production & Legend Seeds - Mike Haedt & Jack Kaltenberg
Pioneer – Matt Pauli and Tim Mansell
Renk – Jeff Renk & Bob Wilms
Syngenta Seeds (NK, Golden Harvest and Garst) - Mike Weiss

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

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