

Wisconsin On-Farm Testing WAPAC Corn Trials 2010



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

2010 WAPAC Corn Performance Trials

2010 Data Analyzed and Compiled by Jon Baldock, PhD (AgStat, 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 2010.

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 \$4.75/bu, and

Drying cost is 4.0¢/bu wet corn for each point above 15%, and

Test weight dockage is

1¢/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 2010.)

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 Albrecht Family Farms Ltd Paul Sturgis	901	Spring wheat	4/22/2010 30 30,000	10/22/2010	Fall disk Finisher	6.6	26	111	99	36	100	Integrity 13 oz Gmax Lite 1 pt Buccaneer Plus 1 qt
Athens, WI Rausch Farms Paul Sturgis	902	Corn silage	5/6/2010 30 32,000		Fall chisel Spring Field Cultivator	6.8	16	56				Buccaneer Plus 1 qt Capreno 3 oz
Bonduel, WI Sorenson Grain Phil Stern	903	Wheat	4/26/10 30 32,500	12/6/2010	Fall Deep Till Mulch Finisher	7.2	17	59				Lumax 2 qt Roundup 1 qt
Clintonville, WI Paul Kirchner Mike Kiddy	904	Soybeans	5/10/2010 30 32,00	11/7/2010	Fall In-line Ripper Field Cultivate	6.8	14	99	102	56	90	SureStart 1 qt Credit Extra 1 qt Diablo 2 oz AMS 3#
Crivitz, WI Joe Dudkiewitz Bill Schaumberg	905	Corn	5/6/2010 30 30,000	10/29/2010	No Till	6.4	26	66				SureStart 1.5 pt Rage-D Tech 16 oz Bucaneer Plus 1 qt Veracity 9.6 oz NIS 1 qt AMS 2 #
Seymour, WI Oneida Nation Farms Bill Schaumberg	906	Alfalfa		10/6/2010	Spring Field Cultivator Spring Rotary Hoe	7.2	18	89	156	51	110	Keystone LA 2 qt Hornet WDG 3 oz Status 3 oz Crop oil 1/2 gal/100
Pulaski, WI Lee & Cindy Herman Jeff Polenske	907	Soybeans	5/23/2010 30 30,000	11/10/2010	No Till	7.3	10	48	118	71	73	Lumax 1 qt Buccaneer 1 qt
Pulaski, WI Ullmer Acres Nathen Nysse	908	Wheat	5/26/2010 30 32,000	11/2/2010		7.4	20	69	90	50	160	Lumax 2 qt Roundup 1 qt

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 Dave McCarthy Jeff Polenske	951 Hortonville Silt loam	Corn	4/20/2010 30 28,828	10/12/2010	No Till	7	36	168	173	84	281	Cornerstone Plus 2 qt Parallel 1 pt Orical 1 pt
Appleton,WI Darrell & Carol Vosters Jeff Polenske	952 Kewaunee Silty clay loam	Alfalfa	5/11/2010 30 32,000	10/15/2010	Fall Chisel Spring Field Cultivator	7.6	22	116	190	47	157	Buccaneer Plus 1 qt Lumax 2 1/2 qt
Hortonville, WI Steve Jack Paul Knutzen	953 Hortonville	Wheat	4/30/2010 30	10/4/2010	Fall Chisel Spring field Cultivator	7.5	28	166	200	60	220	Keystone L.A. 1.8 qt Hornet WDG 2.8 oz
Keil, WI Mark Litz Steve Hoffman	954 Boyer	Wheat	5/6/2010 30 32,000	10/12/2010	Fall Chisel Spring Field Cultivator	7.4	15	135				Acetochlor 3/4pt Pre Glyphosate 24 oz Yukon 2 oz
Little Chute, WI Marv Van Groll Bill Schaumberg	955 Silt loam	Soybeans	5/26/2010 30 32,500	11/2/2010	Spring Field Cultivator	7.1	20	126	179	32	60	Harness Extra 1.2 qt Hornet WDG 1 oz Roundup Wmax 22 oz NIS 1 qt AMS 2 lbs
Manawa,WI Dan Boerst Mike Kiddy	956 Hortonville	Alfalfa	5/18/2010 30 32,500	10/25/2010	Chisel Spring Field Cultivator	6.7	24	180	164	44	145	Lumax 2 qt
Manawa Fietzer Farms Nathen Nysse	957 Hortonville Silt loam	Corn	5/2/2010 30 34,000	10/12/2010	Spring Chisel Spring Field Cultivator 2x	6.9	112	259				Lumax 1 1/2 qt Parallel 3/4 pt Atrazine 1/2 #
Reedsville,WI Larry Krepline Carl Buchner	958 Kewaunee Loam	Alfalfa	5/25/2010 30 32,000	11/2/2010	Fall Chisel Spring Field Cultivator	7.3	13	93	48	40	60	Cornerstone 5 Plus 24 oz Status 2.5 oz AMS/100 gal 9 lbs
Seymour,WI Marvin & Ann Marie Karweick Bill Schaumberg	959 Onaway Silt loam	Corn	4/28/2010 30 32,500	11/2/2010	Spring Field Cultivator	7.7	18	101	143	71	261	Lumax 2.5 qt
Seymour,WI Dale Kropp Phil Stern	9510	Soybeans	4/30/2010 30 32,000	11/20/2010	Fall Chisel Spring Tillage Cultivation (2X)	7.5	11	103				Integrity 12 oz Guardzman 16 oz

WAPAC Trial Information: 95 day cont:

Location	tri_id	Planting Date	Fall and	Soil test	Fertilizer (lb/a)	
Cooperator	Soil series	Row width	Spring Tillage	pH	N	Weed
Consultant	Soil texture	Population	Cultivation	---ppm---	Micro + Manure	Control
Seymour,WI	9511	4/21/2010	Fall Chisel	7.1	128	Lumax 2 1/2 qt
Pat & Karen Van Lanen	Menominee	30	Spring Field	15	93	
Jeff Polenske	Silt loam	34,000	Cultivator	76	46	
Seymour,WI	9512	5/5/2010	Fall Chisel	7.4	129	Halex GT 3 pt
Dave Wichman		30	Field	16	120	Atrazine >5 #
Phil Stern		31,000	Cultivator (2X)	84	250	Nis/ams
Weyauwega, WI	9513	5/3/10	Fall Chisel	6.9	148	Keystone LA 1.25 qt
John Hoag	Oshkosh	36	Field	49	15.5	Cornerstone+ 1 qt
Mike Kiddy	silty clay loam	27,000	Cultivation (2X)	179	0	Diablo 2 oz

WAPAC Trial Information: 100 day

Location	tri_id		Planting Date		Fall and	Soil test			Fertilizer (lb/a)			Weed
Cooperator Consultant	Soil series Soil texture	Previous crop	Row width Population	Harvest Date	Spring Tillage Cultivation	pH ---ppm---	P	K	N	P	K	Control
Black Creek, WI Roger & Joann Seitz Bill Schaumberg	1001 Sandy loam	Corn silage	5/7/2010 30 32,500	11/6/2010	Spring Field Cultivator 2x	7.7	17	73	190	151	345	Parralel 1.3 pt Hornet WDG 3 oz Atrazine 1/2 lb
Clintonville, WI Doug Behnke Mike Kiddy	1002 Hortonville	Corn	4/29/2010 30 32,000	11/20/2010	Field Cultivation	6.7	24	100	156	55	290	Volley ATZ Lite 1.75 qt AMS 3 # Hornet 2.75 oz
Deerfield, WI Russ Dahl Tom Novak	1003 Marshan	Soybeans	4/29/2010 30 32,000	10/29/2010	No-till	6.4	17	105	126	67	141	Harness 2 pt Glyphosate 1 qt 2,4-D ester 1 pt Ignite 22 oz
DePere, WI Robertson Bros Jeff Polenske	1004 Oshkosh Silt loam	Alfalfa	5/24/2010 30 32,000	10/19/2010	Fall Chisel	6.7	8	78	190	0	0	Lumax 2 1/2 qt
Markesan, WI Gale Jahnke Foxview Farms Rachel Mueller	1005 Kidder Loam	Alfalfa	5/10/10 30 28,900	11/3/2010	No till	7.1	27	109	112	41	165	Fall Roundup 2 1/2 qt Fall 2, 4-D 1 pt Roundup 1 qt SureStart 3 pt NIS 1 pt AMS 17#
Markesan, WI Russell Zastrow Rachel Mueller	1006 Plano Loam	Corn	5/6/2010 36 32,000	10/15/2010	Chisel Plow Spring Disk Spring Mulcher	6.4	20	159	126	17	87	SureStart 2 pt Roundup 1 qt
Whitewater, WI Tom Hoffman Tom Novak	1007 Plano	Soybeans	4/28/2010 30 32,000	10/15/2010	Spring Soil Finisher	6.1	39	136	129	66 12S	80	Volley ATZ Light 2 pt Glyphosate 1 qt Status 3 oz
Wrightstown, WI New Horizon Dairy Nathen Nysse	1008 Silt loam	Alfalfa	5/21/2010 30 32,000	10/25/2010	Fall Chisel Spring Field Cultivator 2x	7	18	83				TopNotch 3 pt Callisto 3 oz Atrazine 3/4 lb

WAPAC 2010 Corn Trials: 90-day RM Data - Means Across Locations.

Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†,‡	
Brand							
NK	N29T-GT/CB/LL Brand	29386 *	5.3	53.8	20.3	177 *	784 *
Renk	RK434RR	29421 *	2.1 *	55.0	19.7 *	171 *	767 *
Legend	LR9993VT3	29279 *	2.7 *	56.2	19.9	169 *	759 *
Dairyland	St9789	29350 *	2.8 *	54.7	20.7	170 *	754 *
Croplan	3114VT3	29136 *	2.9 *	54.6	20.0	168	752 *
Garst	89K65 3000GT Brand	29493 *	2.8 *	55.5	19.7 *	167	749 *
Trelay	2VT531	29564 *	2.7 *	57.1 *	19.1 *	163	738
Pioneer	P8906HR	29671 *	2.2 *	55.4	19.7 *	161	723
Golden Harvest	H-6455 3000GT Brand	29564 *	3.8 *	54.4	20.0	160	716
Number of locations		7	7	7	7	7	7
Mean		29429	3.0	55.2	19.9	167	749
LSD(10%)		665	1.8	0.6	0.7	8	35

† 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 \$4.75/bu, and

drying cost is 4¢/bu wet corn for each point above 15%.

test weight dockage is 1¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50.

WAPAC 2010 Corn Trials: 90 day RM Yields by Location.

Brand	Hybrid	Location Yield, bu/a @ 15% moisture							
		901 Athens	902 Athens	903 Bonduel	904 Clintonville	905 Crivitz	906 Seymour	907 Pulaski†	908 Pulaski
Trelay	2VT531	172	181	190	173	142	165	93	118
Croplan	3114VT3	182	182	207	177	150	162	77	116
Garst	89K65 3000GT Brand	195	171	193	181	137	175	102	112
Golden Harvest	H-6455 3000GT Brand	172	186	191	174	147	143	106	110
Legend	LR9993VT3	172	163	201	176	149	196	71	125
NK	N29T-GT/CB/LL Brand	192	209	209	193	151	172	78	111
Pioneer	P8906HR	175	167	200	181	152	150	84	103
Renk	RK434RR	188	180	208	188	156	173	66	102
Dairyland	St9789	186	188	202	187	149	156	88	120
Mean		182	181	200	181	148	166	85	113
Number of reps		2	2	2	2	2	2‡	2	2

† The data from this site were not statistically compatible with the other sites so it was omitted from combined table.

‡ The Garst, Legend, and NK entries only had one rep due to severe lodging to one section of trial.

WAPAC 2010 Corn Trials: 95-day RM Data - Means Across Locations.

	Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†,‡
Brand							
Dairyland	St9395	29542	5.9 *	54.6	17.9 *	185 *	853 *
Croplan	3514VT3	30500 *	6.1 *	56.6 *	19.4	187 *	848 *
	H-7044 3000GT	29639	2.5 *	54.8	19.2	181 *	822 *
Golden Harvest	Brand						
Legend	LR9895VT3	30000	11.4	54.9	18.7	178	814
	88R16 GT/CB/LL	30278 *	8.1	55.1	17.9 *	175	807
Garst	Brand						
Pioneer	P9380XR	30167	7.7 *	54.6	18.1 *	173	795
Renk	RK501VT3	30625 *	7.3 *	55.8	18.3 *	173	795
Trelay	4VT456	31222 *	9.9	55.3	18.6	174	793
Number of locations		9	9	12	12	12	12
Mean		30247	7.4	55.2	18.5	178	816
LSD(10%)		972	5.2	0.5	0.4	8	35

† 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 \$4.75/bu, and
 drying cost is 4¢/bu wet corn for each point above 15%.
 test weight dockage is 1¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50.

WAPAC 2010 Corn Trials: 95-day RM Yields by Location.

		Location Yield, bu/a @ 15% moisture					
Brand	Hybrid	951 Hortonville	952 Appleton	953 Hortonville†	954 Keil	955 Little Chute	956 Manawa
Croplan	3514VT3	210	187	187	190	179	193
Dairyland	St9395	216	165	219	185	147	192
Garst	88R16 GT/CB/LL Brand	225	177		162	120	192
Trelay	4VT456	216	175		171	166	189
Golden Harvest	H-7044 3000GT Brand	217	168	186	202	166	192
Legend	LR9895VT3	216	175	194	185	152	182
Pioneer	P9380XR	215	179	198	171	164	183
Renk	RK501VT3	224	184	184	191	171	187
Mean		217	176	195	182	158	189
Number of reps		2	2	2	2	2	2

		Location Yield, bu/a @ 15% moisture						
Brand	Hybrid	957 Manawa	958 Reedsville	959 Seymour	9510 Seymour	9511 Seymour	9512 Seymour	9513 Weyauwega
Croplan	3514VT3	205	159	219	185	191	180	151
Trelay	4VT456	199	166	215	175	182	170	143
Garst	88R16 GT/CB/LL Brand	204	163	203	135	197	172	155
Golden Harvest	H-7044 3000GT Brand	190	162	213	131	197	188	133
Legend	LR9895VT3	210	144	215	166	186	147	135
Pioneer	P9380XR	195	161	209	143	182	166	162
Renk	RK501VT3	189	157	213	128	165	172	132
Dairyland	St9395	202	170	208	125	190	174	123
Mean		199	160	212	148	186	171	142
Number of reps		2	2	2	2	2	2	2

† This site was missing two hybrids so it could not be used in the combined analysis table.

WAPAC 2010 Corn Trials: 100-day RM Data - Means Across Locations.

	Hybrid	Stand, No./A†	Lodged, %†	Test Wt, lbs/bu†	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A‡,‡,§
Brand							
Trelay	5VP688	30,450 *	0.5 *	56.6	16.9 *	212 *	985 *
Croplan	388TS	30,350 *	1.1 *	55.4	17.5 *	202 *	935
	87T18 3000GT	28,250	0.9 *	59.8 *	18.9	204 *	928
Garst Brand							
Renk	RK619SS	30,150 *	0.5 *	56.4	18.9	202 *	918
Legend	LR9798VT3	30,050 *	0.5 *	59.2 *	17.2 *	195	908
	N39M-3000GT	29,700 *	0.5 *	57.1	17.5 *	195	901
NK Brand							
Pioneer	37Y14	30,700 *	0.5 *	58.1	17.3 *	187	869
	H-7633 3000GT	29,550 *	1.4 *	56.2	18.7	186	848
Golden Harvest Brand							
Dairyland	St9500Q	29,400	0.5 *	57.1	19.8	187	841
Number of locations		5	4	5	6	6	6
Mean		29,844	0.7	57.3	18.1	197	904
LSD(10%)		1,154	1.0	1.0	0.8	11	45

† 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 \$4.75/bu, and
drying cost is 4¢/bu wet corn for each point above 15%.

test weight dockage is 1¢/lb/bu from 53.9 to 52; 3¢/lb/bu from 51.9 to 50; and 5¢/lb/bu below 50.

§ No test weight data was available from one site so there was no test weight dockage from that site.

WAPAC 2010 Corn Trials: 105-day RM Data - Means Across Locations.

Brand	Hybrid	Stand, No./A†	Lodged, %†¶	Test Wt, lbs/bu¶	Grain Moisture, %†	Yield, Bu/A @ 15%†	Gross Margin, \$/A†‡
Trelay	6ST576	32981 *			17.8	211 *	969 *
Croplan	5338VT3	32958 *			17.4	207 *	957 *
Renk	RK670VT3	32764 *			16.6 *	203 *	946 *
Pioneer	35F44	33023 *			18.6	201	916
	H-8239 3000GT	28449			17.8	199	912
Golden Harvest	Brand						
AgriGold	AG6309STX	32254 *			17.8	197	904
Dairyland	St9703Q	34037 *			18.0	195	895
	N53W-3000GT	32264 *			17.4	194	892
NK	Brand						
	PIP5803-	34407 *			16.9 *	188	874
PIP	3000GT						
	86J49 3000GT	31736 *			16.9 *	184	853
Garst	Brand						
Number of locations		3			4.0	4	4
Mean		32487			17.5	198	571
LSD(10%)		2910			0.8	9	65

† 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.

¶ Insufficient data for an analysis across locations.

‡ Gross Margin = Gross Income - drying cost, where
 Gross Income is the yield times \$4.75/bu, and
 drying cost is 4¢/bu wet corn for each point above 15%.

WAPAC 2010 Corn Trials: 105 day RM Yields by Location.

Brand	Hybrid	Location Yield, bu/a @ 15% moisture			
		1051 Cambridg	1052 Elkhorn	1053 Lodi	1054 Prairie Du Sac
Pioneer	35F44	194	187	223	201
Croplan	5338VT3	205	191	227	204
Trelay	6ST576	196	187	239	222
Garst	86J49 3000GT Brand	178	165	202	191
AgriGold	AG6309STX	181	167	235	206
Golden Harvest	H-8239 3000GT Brand	186	180	219	210
NK	N53W-3000GT Brand	185	165	222	202
PIP	PIP5803-3000GT	186	174	193	198
Renk	RK670VT3	193	192	217	210
Dairyland	St9703Q	193	172	218	199
Mean		190	178	219	204
Number of reps		2	2	2	3

**Thank you to everyone
who contributed to the success of
the 2010 WAPAC Corn Trials!**

Data Analysis

Dr. Jon Baldock, Research Director, AgStat,
Verona, Wisconsin

Seed Company Sponsors

Agrigold - Dave Welsh
Croplan Genetics – Pat Van Duerzen
Dairyland Seed – Kevin Naze
Partners in Production & Legend Seeds -
Mike Haedt and Jack Kaltenberg
Pioneer – Matt Pauli and Tim Mansell
Renk – Jeff Renk
Syngenta Seeds (NK, Golden Harvest
and Garst) - Mike Weiss
Trelay-Kevin Schmitz

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 - 1.) 105-day: Jeff Notstad, Cambridge, WI
 - 2.) 105-day: Lockner Dairy, Lodi, WI
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- Mike Kiddy – Kiddy Crop Consulting,
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 - 1.) 90-day: Paul Kirchner, Clintonville, WI
 - 2.) 95-day: Dan Boerst, Manawa, WI
 - 3.) 95-day: John Hoag, Weyauwega, WI
 - 3.) 100-day: Doug Behnke, Clintonville, WI
- Paul Knutzen – Knutzen Crop Consulting,
New London, WI
 - 1.) 100-day: Steve Jack, Hortonville, WI
- Rachel Mueller, Cornerstone Crop Consulting,
Princeton, WI
 - 1.) 100-day: Gale Jahnke, Foxview Farms,
Markesan, WI
 - 2.) 100-day: Russell Zastrow, Markesan, WI

**On-Farm Trial Coordinators and
Participating Growers, continued**

- Tom Novak – Total Crop Management,
Sullivan, WI
 - 1.) 100-day: Russ Dahl, Deerfield, WI
 - 2.) 100-day: Tom Hoffman, Whitewater, WI
 - 3.) 105-day: Lauderdale Farms, Elkhorn, WI
- Nathen Nysse – Polenske Agronomic Consulting,
Hortonville, WI
 - 1.) 90-day: Ullmer Acres, LLC, Pulaski, WI
 - 2.) 95-day: Fietzer Dairy Farms, Manawa, WI
 - 3.) 100-day: New Horizons Dairy, Wrightstown, WI
- Jeff Polenske – Polenske Agronomic Consulting,
Appleton, WI
 - 1.) 90-day: Lee & Cindy Herman, Pulaski, WI
 - 2.) 95-day: Dave McCarthy, Appleton, WI
 - 3.) 95-day: Darrell & Carol Vosters, Appleton, WI
 - 4.) 95-day: Pat & Karen Van Lanen, Seymour, WI
 - 5.) 100-day: Robertson Brothers Dairy, DePere, WI
- Bill Schaumberg – Polenske Agronomic
Consulting, DePere, WI
 - 1.) 90-day: Joe Dudkiewicz, Crivitz, WI
 - 2.) 90-day: Oneida Nation Farms, Seymour, WI
 - 3.) 95-day: Marv Van Groll, Little Chute, WI
 - 4.) 95-day: Marvin & Ann Marie Kawieck,
Seymour, WI
 - 5.) 100-day: Roger & Joann Seitz, Black Creek, WI
- Phil Stern – Stern Crop Consulting, Bonduel, WI
 - 1.) 90-day: Sorenson Grain, Bonduel, WI
 - 2.) 95-day: Dale Kropp, Seymour, WI
 - 3.) 95-day: Dave Wichman, Seymour, WI
- Paul Sturgis – Cromptech Agronomics, Vesper, WI
 - 1.) 90-day: Albrecht Family Farms Ltd, Athens, WI
 - 2.) 90-day: Rausch Farms, Athens, WI

WAPAC Research Chair

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DePere, WI
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Links to the WAPAC Corn Trails are available on
the WAPAC website: www.wapac.info under the
Corn Trials tab, and also on the University of
Wisconsin Extension Corn Agronomy website:
<http://corn.agronomy.wisc.edu> under the Hybrid
Trials tab.