

Organic Research and Extension Initiative Variety Trial Summaries 2012 - 2015

Value Added Grains for Local and Regional Food Systems

Sponsored by the National Institute of Food And Agriculture-USDA award #2011-51300-30697

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2012-15 OREI Organic Winter Wheat Trial – All Locations

4 Year Summary

Entry	Variety	Yield (bu/ac)					Test Weight		Lodging Mean	Height (in) Mean	Heading Date	Winter Survival
		FV	PA	WB	Mean	Rank	(bu/ac)	Rank				
1	Red Fife	29.2	28.2	37.1	31.5	-	56.6	-	3.2	46.5	3-Jun	30
2	Arapahoe	34.2	50.7	60.2	48.4	-	56.6	-	1.8	35.4	31-May	72
4	American Banner	38.9	44.2	49.6	44.2	25	55.8	21	4.1	46.9	1-Jun	68
5	Fulcaster	36.6	38.5	48.3	41.1	31	56.6	13	7.2	47.2	2-Jun	72
6	Gold Coin	37.9	41.9	50.6	43.4	27	55.5	26	3.5	44.9	4-Jun	73
7	Genesee Giant	38.7	41.1	54.9	44.9	18	55.8	22	1.2	41.7	2-Jun	73
8	Pride of Genesee	31.6	39.1	54.2	41.6	30	58.1	2	3.9	48.4	4-Jun	84
9	Vermont Winter Reeds	34.9	39.4	46.9	40.4	33	54.5	31	2	44.1	4-Jun	64
10	Grandprize	37.8	45.0	50.1	44.3	23	56.1	19	4.3	46.5	3-Jun	81
11	Forward	40.7	43.9	51.0	45.2	16	56.3	17	1.9	43.3	4-Jun	76
12	Honor	39.9	45.1	48.7	44.6	20	55.2	28	5.3	46.5	3-Jun	82
13	Valprize	38.3	44.0	50.4	44.2	24	55.4	27	2.9	45.7	5-Jun	73
14	Golden	35.0	38.3	42.2	38.5	34	54.1	34	2.8	42.1	4-Jun	65
15	Clark's Cream	37.2	43.5	55.7	45.5	15	56.3	16	1.7	41.7	31-May	77
16	Yorkwin	39.3	43.1	54.9	45.8	12	55.6	25	6.2	47.2	4-Jun	81
17	Genesee	41.1	50.5	58.0	49.9	3	54.8	29	4.4	44.1	2-Jun	73
18	Yorkstar	39.9	48.0	51.6	46.5	10	54.1	33	2.8	42.5	3-Jun	59
19	Frederick	42.6	45.4	56.1	48.1	6	55.7	23	1.5	40.6	1-Jun	66
20	Arrow	45.5	49.9	63.2	52.8	1	54.4	32	0.7	40.6	1-Jun	69
21	Susquehanna	42.8	46.5	58.2	49.2	5	53.8	35	1	36.2	2-Jun	74
22	NXO5M4180-6 (waxy)	33.7	45.1	54.3	44.3	22	52.5	36	0.7	32.3	31-May	56
23	NXO4Y2107 (waxy)	32.8	43.1	52.5	42.8	29	56.1	20	0.8	33.5	29-May	54
24	AC Morley	38.9	49.9	60.3	49.7	4	57.8	3	1.3	39.4	31-May	73
25	Warthog	40.0	50.4	60.9	50.5	2	57.6	4	0.6	36.6	1-Jun	74
26	NuEast	32.8	50.2	57.5	46.8	8	58.3	1	0.9	30.7	29-May	67
27	Appalachian White	33.3	48.3	55.4	45.7	13	56.6	15	1	31.5	29-May	65
28	ARS05-1044	31.8	46.6	57.0	45.1	17	55.7	24	1.7	31.5	25-May	61
29	ARS07-0785	33.6	44.6	59.3	45.9	-	57.1	7	0.8	30.7	31-May	57
30	ARS07-1214	38.8	41.4	49.1	43.1	28	56.2	18	0	30.3	31-May	62
31	ARS08-0161	34.3	41.5	47.0	40.9	32	54.6	30	1.5	28.0	1-Jun	61
32	ARS08-1059	29.7	40.3	44.4	38.1	35	57.2	6	0.6	33.5	31-May	46
33	ARS09-173	33.7	49.2	51.4	44.8	19	57.6	5	1.4	28.3	28-May	53
34	Jaggar (HRWW)	34.9	47.9	54.0	45.6	14	56.9	10	0.9	29.5	26-May	69
35	Expedition	36.3	44.8	60.1	47.1	7	57.1	8	1.7	32.7	28-May	72
36	Maxine	32.2	44.8	56.3	44.4	21	56.8	12	0.9	31.5	29-May	74
37	Harvard	38.5	47.8	52.9	46.4	11	56.9	9	0.1	34.3	30-May	68
38	Zorro	37.2	40.7	61.6	46.5	9	56.6	14	1.2	40.2	3-Jun	74
39	Redeemer	37.8	44.7	49.0	43.9	26	56.9	11	0.9	36.2	2-Jun	68
40	Alauda	30.2	38.7	43.4	37.4	-	56.7	-	1	44.1	8-Jun	53
	Mean	36.5	44.3	53.0	44.6		56.1		2.1	38.6	1-Jun	67

FV - Freeville, NY

PA - Penn State Univ.

WB - Willsboro, NY

2012-15 OREI Organic Spring Wheat Trial – All Locations

3 - 4 Year Summary

Entry	Variety	Yield (bu/ac)						Test Weight		Lodging	Height (in)	Heading
		FV	ND	PA	WB	Mean	Rank	(bu/ac)	Rank	Mean	Mean	Date
1	Stoa	32.1	20.9	27.0	39.3	29.8	14	51.4	17	0.3	30.3	18-Jun
2	Red Fife	30.7	21.9	20.5	33.8	26.7	19	51.8	16	2.3	44.1	21-Jun
3	RB07	34.2	23.4	28.1	42.7	32.1	8	52.1	10	0.5	30.3	16-Jun
4	ND735	35.2	24.4	26.3	44.8	32.7	7	54.1	3	0.6	33.5	18-Jun
5	Ada	30.2	26.0	24.7	43.3	31.1	11	53.7	4	0.4	29.9	17-Jun
6	MN00261-4	37.9	25.9	28.5	42.9	33.8	5	53.6	5	0.2	31.1	17-Jun
7	Tom	35.2	23.8	31.6	51.2	35.4	1	54.3	2	0.6	32.7	16-Jun
8	MN06078W	32.1	26.7	23.6	43.4	31.5	9	52.1	11	2.1	33.5	16-Jun
9	Steele	35.4	27.7	30.7	42.7	34.1	3	52.8	7	0.5	31.9	17-Jun
10	Rollag	31.5	25.3	25.3	43.3	31.4	10	53.1	6	0.6	29.1	16-Jun
11	Sabin	37.1	27.9	31.1	44.4	35.1	2	52.8	8	0.7	30.7	17-Jun
12	Louise	29.8	28.4	20.9	37.5	29.1	16	49.5	21	1.8	33.5	19-Jun
13	MN06079W	30.0	21.9	24.3	36.8	28.2	17	50.7	19	1.4	29.5	14-Jun
14	Glenn	35.2	26.2	27.6	46.3	33.9	4	55.2	1	0.4	33.1	14-Jun
15	Ulen	34.7	24.5	28.3	44.6	33.0	6	51.0	18	1	31.9	15-Jun
16	Reed	28.5	25.5	21.2	36.5	27.9	18	48.9	22	1.6	29.5	16-Jun
17	Grandin	33.8	23.6	20.9	40.5	29.7	15	51.9	12	0.6	32.3	17-Jun
18	McNeal	33.8	24.7	22.8	40.1	30.4	13	51.8	15	0.4	33.1	20-Jun
19	Thatcher	26.8	20.3	15.4	37.1	24.9	21	50.7	20	2.5	40.6	20-Jun
20	AC Barrie	31.4	24.8	23.4	42.4	30.5	12	52.2	9	1.4	37.0	18-Jun
21	Mida	23.2	23.4	17.2	36.8	25.1	20	51.8	14	2.1	41.7	19-Jun
22	Ceres	25.6	20.8	21.5	30.4	24.6	22	51.8	13	2.5	39.8	19-Jun
23	Marquis	32.0	23.7	26.9	46.1	32.2		52.6		2.2	35.4	17-Jun
24	Dylan	27.5	26.1	24.4	37.4	28.8		51.5		2	33.1	18-Jun
	Mean	31.8	24.5	24.7	41.0	30.5		52.1		1.2	33.5	17-Jun

FV - Freeville, NY
 ND - NDSU
 PA - Penn State Univ.
 WB - Willsboro, NY

2012-15 OREI Organic Spring Wheat Trial – Penn State University

Entry	Variety	Yield (bu/ac)					Test		Lodging Mean	Height (in) Mean	Heading Date
		2012	2013	2014	Mean	Rank	(lbs/bu)	Rank			
1	Stoa	28.8	21.5	30.5	27.0	8	51.0	16	0.9	32.7	17-Jun
2	Red Fife	14.0	22.0	25.7	20.5	20	51.6	12	2	47.2	21-Jun
3	RB07	34.5	17.4	32.5	28.1	6	52.1	7	0.7	33.5	16-Jun
4	ND735	33.0	16.6	29.2	26.3	9	52.0	8	1.1	37.4	19-Jun
5	Ada	23.9	24.4	26.0	24.7	11	54.1	3	0.7	32.3	16-Jun
6	MN00261	34.3	19.1	32.2	28.5	4	51.8	11	0.4	33.5	17-Jun
7	Tom	28.1	25.5	41.2	31.6	1	55.1	2	1.1	36.6	15-Jun
8	MN06078	29.5	14.6	26.6	23.6	13	51.4	14	2.2	37.0	15-Jun
9	Steele	38.3	22.6	31.0	30.7	3	52.8	4	1.3	35.4	16-Jun
10	Rollag	26.4	19.7	29.8	25.3	10	51.8	10	0.9	31.9	15-Jun
11	Sabin	39.9	20.2	33.2	31.1	2	52.4	6	1.3	33.1	17-Jun
12	Louise	17.9	21.0	23.7	20.9	19	51.3	15	2	35.8	20-Jun
13	MN06079	26.8	18.8	27.4	24.3	12	49.9	20	1.6	31.5	14-Jun
14	Glenn	31.8	22.9	28.1	27.6	7	55.1	1	0.7	37.0	14-Jun
15	Ulen	35.4	19.1	30.4	28.3	5	51.4	13	1.6	35.0	15-Jun
16	Reed	21.3	14.5	27.8	21.2	17	47.2	22	2.2	31.5	15-Jun
17	Grandin	21.8	16.6	24.3	20.9	18	50.3	19	0.9	33.5	16-Jun
18	McNeal	22.6	23.5	22.4	22.8	15	52.7	5	0.7	34.3	20-Jun
19	Thatcher	13.4	13.5	19.4	15.4	22	49.8	21	2	43.3	17-Jun
20	AC Barrie	20.9	19.8	29.4	23.4	14	51.9	9	2	37.4	19-Jun
21	Mida	10.7	16.5	24.4	17.2	21	51.0	17	1.6	44.1	19-Jun
22	Ceres	10.2	29.4	24.9	21.5	16	50.7	18	2	43.7	21-Jun
23	Marquis	-	20.2	33.6	26.9		51.0		6	40.9	15-Jun
24	Dylan	-	17.8	30.9	24.4		48.7		4.7	39.0	16-Jun
	Mean	25.6	19.9	28.5	24.7		51.5		1.7	36.6	17-Jun