Holubec Seed Test Strips

With Assistance of:	Vance Christie	Texas Agrilife Extension
	Dr. David Drake	Texas Agrilife Extension
	Daniel Hathcoat	Texas Agrilife Extension

No-Till Farming:

Planting Date:	November 10, 2011
Fertilizer Pre- Plant:	200 lbs 18-18-0-3s
Fertilizer Top Dress:	120 lbs 29-0-0-3s
Seeding Rate:	50 lbs per acre
Harvest Date:	May 30, 2012

Rainfall: 11.5 inches during growing period.

3.75 inches fell after maturity and before harvest

Stress Period: During heading and grain fill, no rainfall from March 12th to May 5th. This period saw extreme heat and many 100 degree days.

Bushel Weights: Stress period and rainfall at maturity caused lower bushel weights, also grain was not real clean from research combine.

Harvest was completed May 30, 2012 six hours before game ending hail storm.

Holubec Seed Strips Trials – Wheat Variety Lodging Evaluation

Effect of 1.5 inches of rain and wind in excess of 50 mph on May 7, 2012. Total rainfall May 5,2012 to May 15, 2012 was 3.75 inches.

Wheat varieties were at maturity and ready to harvest at the time of the May 7th wind storm.

Evaluated on a 1 to 10 scale:

1 = Excellent and Standing Erect 10 = Lodged and Wind Blown

a. Tam 112 _____8_____
b. Tam 113 _____3_____
c. Doans _____6_____
d. Tam 203 _____4_____
e. Coronado _____2_____
f. Greer _____2_____
g. Duster _____4_____
h. Garrison _____3_____
i. Ruby Lee _____7_____
j. OK08328 _____2_____
k. Iba _____3_____
l. Gallagher _____4_____
m. Armor _____6_____
n. Santa Fe _____3_____
o. WB-Cedar _____5_____
p. Winterhawk _____4_____
q. Fuller _____6_____
r. T 158 _____3_____

Maturity (Heading Date)

Heading date determined at 95%, or more, exerted heads

Ruby Lee	3-31-12
Armour	3-31-12
WD Cedar	3-31-12
Doans	4-1-12
Fuller	4-1-12
Tam 112	4-2-12
Coronado	4-2-12
Gallagher	4-2-12
Tam 203	4-3-12
Winterhawk	4-3-12
Iba	4-4-12
Duster	4-6-12
Santa Fe	4-6-12
Greer	4-7-12
Garrison	4-8-12
OK08328	4-8-12
T158	4-8-12
Tam 113	4-9-12

Holubec Seed Wheat Test Strips Results 2012

		Yields (bu/ac)	Bushel Wt (lbs/Bu)	Protein (%)
1.	Coronado	62.1	56.3	14.4
2.	Tam 203	61.7	56.5	15.2
3.	Ruby Lee	59.7	58.0	13.9
4.	Greer	59.6	53.5	15.7
5.	Doans	56.8	58.5	14.3
6.	Tam 113	51.7	58.0	14.8
7.	W-B Cedar	51.0	54.0	15.1
8.	Tam 112	50.4	56.0	14.7
9.	Iba	50.1	56.0	14.5
10.	Gallagher	48.3	56.3	15.1
11.	Fuller	46.2	54.5	16.2
12.	Winterhawk	46.0	57.0	15.6
13.	Armor	45.6	55.0	15.7
14.	T 158	45.6	54.5	11.2
15.	Duster	45.0	58.0	15.8
16.	OK08328	44.7	55.0	14.7
17.	Santa Fe	43.8	57.0	16.7
1.8	Garrison	41.3	57.0	16.5

Uniform Wheat Variety Trial - Rolling Plains Yield Summary 2012

2012 Rank[1]	Variety	Source	2012 Yield bu/ac Dry AVG	Abilene	Brady	Chillicothe	Electra	Hardeman Grain	Vernon D.	Young Co.	Irr. AVG	Vernon Irr.
1	Ruby Lee	OSU	**46.8**	29.8	66.3	51.9	49.7	37.6	52.1	40.4	**69.6**	69.6
2	TAM 304	TAMU	**46.2**	29.1	61.8	44.9	61.2	39.0	49.6	37.9	**72.7**	72.7
3	TX07A001505*	TAMU	**45.3**	29.9	61.7	48.7	59.8	38.4	49.4	29.4	**64.5**	64.5
4	Gallagher (OK07214)	OSU	**44.8**	30.5	53.9	47.1	49.8	41.3	52.4	38.5	**73.2**	73.2
5	Billings	OSU	**44.2**	24.4	56.9	43.4	55.9	38.2	50.4	40.2	**64.0**	64.0
6	Jackpot	Syngenta	**44.0**	29.2	54.4	49.0	57.1	39.9	45.2	32.9	**65.7**	65.7
7	TAM 305 (TX06A001263)	TAMU	**43.1**	33.5	54.6	46.4	59.4	37.0	40.5	30.6	**64.8**	64.8
8	Fuller	KSU	**43.0**	28.7	52.1	49.3	50.5	39.9	47.0	33.3	**62.9**	62.9
9	APH09T9614*	Syngenta	**42.5**	26.2	60.4	50.4	52.2	32.9	39.2	36.1	**60.6**	60.6
10	TAM 203	TAMU	**41.9**	28.1	49.7	45.9	53.4	40.5	50.3	25.7	**62.4**	62.4
11	Duster	OSU	**41.4**	30.9	53.6	43.5	47.5	35.3	47.2	32.2	**64.2**	64.2
12	TX06V7266*	TAMU	**41.0**	28.6	47.0	44.9	48.8	38.3	47.2	32.4	**63.9**	63.9
13	Iba (OK07209)	OSU	**40.5**	25.8	53.5	46.0	49.9	33.9	42.7	31.4	**66.3**	66.3
14	TAM 401	TAMU	**40.3**	27.5	55.8	48.3	45.6	30.8	44.6	29.9	**60.9**	60.9
15	TX03A0563-07*	TAMU	**40.1**	31.0	47.7	44.8	44.2	43.8	46.7	22.4	**54.5**	54.5
16	Razor (AP08TA6927)	Syngenta	**40.0**	29.5	51.1	46.0	49.0	39.0	40.0	25.5	**63.7**	63.7
17	Jagger	KSU	**39.8**	25.1	50.2	45.7	55.6	34.2	41.3	26.1	**58.0**	58.0
18	Everest	KSU	**39.6**	21.1	51.4	45.8	53.3	39.5	35.6	30.8	**63.9**	63.9
19	Santa Fe	WestBred	**39.6**	26.6	56.8	39.0	51.9	30.4	41.4	30.7	**58.7**	58.7
20	TAM 113	TAMU	**39.6**	29.0	50.6	48.1	43.0	34.7	46.4	25.4	**53.1**	53.1
21	Greer	Syngenta	**39.4**	29.0	47.6	40.8	52.2	33.1	38.8	34.3	**62.5**	62.5
22	Pete	OSU	**39.1**	23.7	51.8	43.5	42.6	34.7	42.3	35.3	**42.3**	42.3
23	APH09T2620*	Syngenta	**38.8**	27.1	57.7	48.1	49.6	36.7	35.0	17.6	**57.0**	57.0
24	Doans	Syngenta	**38.5**	26.7	51.5	38.4	52.0	32.5	36.8	31.6	**56.5**	56.5
25	Armour	WestBred	**38.3**	28.2	55.9	40.8	47.9	28.9	41.7	24.5	**58.6**	58.6
26	Garrison	OSU	**37.7**	22.8	49.4	36.5	49.4	31.3	40.7	33.4	**55.8**	55.8
27	Endurance	OSU	**37.4**	25.5	52.1	40.8	49.9	29.5	35.5	28.3	**61.3**	61.3
28	TAM W-101	TAMU	**37.3**	33.5	42.0	46.7	42.4	35.1	34.1	27.2	**47.8**	47.8
29	TAM 112	TAMU	**37.0**	26.2	47.0	44.5	39.7	34.7	46.6	20.3	**59.1**	59.1
30	TAM 111	TAMU	**36.9**	23.9	52.9	38.7	40.2	30.2	39.3	33.4	**58.1**	58.1
31	CJ	Syngenta	**36.3**	29.1	46.0	38.8	46.3	23.4	44.2	26.6	**64.4**	64.4
32	Fannin	Syngenta	**35.9**	27.2	48.0	37.6	35.8	22.9	49.2	30.3	**56.9**	56.9
		Mean	**40.5**	**27.7**	**52.9**	**44.5**	**49.5**	**34.9**	**43.6**	**30.4**	**60.9**	**60.9**
		CV (%)	**10.4**	**11.6**	**10.3**	**6.2**	**8.6**	**9.8**	**12.3**	**11.6**	**9.0**	**9.0**
		LSD (5%)	**4.4**	**5.2**	**8.9**	**4.5**	**8.6**	**5.5**	**8.7**	**5.8**	**8.9**	**8.9**

* Experimental wheat breeding line

[1]Rank is based on Dry AVG

Uniform Wheat Variety Trial - Brady, HRWW 2012

2012 Rank	Variety	Source	Grain Yield (bu/ac) 2012	2-Year †	3-Year ‡	Test Weight (lb/bu) 2012
1	Ruby Lee	OSU	66.3	-	-	59.0
2	Shocker	WestBred	64.3	41.5	46.9	56.4
3	Cedar	WestBred	61.9	-	-	55.9
4	TAM 304	TAMU	61.8	41.3	48.0	54.8
5	TX07A001505*	TAMU	61.7	-	-	59.1
6	APH09T9614*	Syngenta	60.4	-	-	60.0
7	APH09T2620*	Syngenta	57.7	-	-	60.0
8	Billings	OSU	56.9	37.8	45.3	56.8
9	Santa Fe	WestBred	56.8	40.8	45.5	56.1
10	Coronado	Syngenta	56.3	40.5	43.5	57.5
11	Armour	Westbred	55.9	39.0	44.2	55.8
12	TAM 401	TAMU	55.8	34.4	37.7	52.3
13	TAM 305 (TX06A001263)	TAMU	54.6	37.3	41.6	57.7
14	Jackpot	Syngenta	54.4	40.1	48.1	55.6
15	Gallagher (OK07214)	OSU	53.9	33.6	-	57.1
16	Sturdy 2K	TAMU	53.8	35.6	43.8	55.2
17	Duster	OSU	53.6	37.1	46.0	57.5
18	Iba (OK07209)	OSU	53.5	38.4	-	57.8
19	TAM 111	TAMU	52.9	35.4	42.5	57.0
20	Jagalene	Syngenta	52.2	35.9	38.4	56.2
21	Endurance	OSU	52.1	33.7	40.0	56.7
22	Fuller	KSU	52.1	34.4	42.0	56.1
23	Pete	OSU	51.8	32.4	41.3	58.4
24	Doans	Syngenta	51.5	37.0	44.8	58.6
25	Everest	KSU	51.4	-	-	57.0
26	Razor (AP08TA6927)	Syngenta	51.1	-	-	59.2
27	TAM 113	TAMU	50.6	39.3	40.0	59.8
28	Jagger	KSU	50.2	34.0	39.9	54.5
29	Deliver	OSU	50.1	37.1	40.9	57.4
30	TAM 203 (750,000 seed/a)	TAMU	49.7	34.2	38.6	55.0
31	Garrison	OSU	49.4	34.9	42.0	57.3
32	TAM 203 (50 lb seed/a)	TAMU	48.2	-	-	55.6
33	Fannin	Syngenta	48.0	32.2	40.3	56.8
34	TX03A0563-07*	TAMU	47.7	-	-	57.5
35	Greer	Syngenta	47.6	34.2	42.1	51.9
36	TAM 112	TAMU	47.0	33.5	41.2	55.7
37	TX06V7266*	TAMU	47.0	-	-	53.5
38	CJ	Syngenta	46.0	-	-	55.6
39	TAM W-101	TAMU	42.0	28.2	34.0	56.3
40	Weathermaster 135	Unknown	34.7	27.8	-	54.4
		Mean	52.8	35.9	42.3	56.6
		CV (%)	10.3	12.7	12.1	
		LSD (5%)	8.9	6.4	6.1	

* Experimental wheat breeding line

† Yield average for 2012 and 2011

‡ Yield average for 2012, 2011, and 2010

Vance Christie

From: Daniel Hathcoat
Sent: Tuesday, August 07, 2012 9:29 AM
To: Vance Christie
Subject: Re: Wheat Trial Results
Attachments: 2012 Wheat Pub.pdf

Vance,

Sorry for this problem. Attached please find the wheat results and the Brady oat results. The format is a little off for the oat results, but the numbers are all correct.

Thanks,

Daniel.

Brady Uniform Oat Variety Trial Yields - 2012

3-Year Rank	Variety	Source	Yield (bu/a) 3-Year††	2-Year†	2012	Test Wt. (lb/bu) 2012
1	Horizon 201	UF	87.8	58.2	73.3	30.9
2	Horizon 270	UF	84.4	57.9	77.4	31.4
3	TAMO 406	TAMU	84.0	59.6	75.6	30.7
4	LA9339 (Plot Spike)	LSU	82.8	55.0	65.0	29.1
5	RAM 99016	LSU	82.3	47.9	50.5	31.3
6	Harrison	LSU	78.8	53.6	61.3	33.0
7	TAMO 411 ('TX05CS347-1)	TAMU	75.3	56.0	76.3	33.4
8	TAMO 606	TAMU	74.5	49.6	56.2	29.5
9	Dallas	TAMU	68.6	54.1	72.7	31.0
10	Bob	Arkansas	-	41.7	66.6	33.8
11	Fla. 501	UF	-	49.4	71.8	33.1
12	HG 76-30	Unknown	-	42.0	48.1	32.9
13	NF-27	Noble Foundation	-	-	56.7	30.7
14	Big Mac	McGregor M&G	-	28.2	32.4	30.6
15	Nora	Arkansas	-	46.8	55.7	30.1
16	Coronado	TAMU	-	36.2	40.9	29.9
17	Ozark	UA	-	49.2	62.2	29.5
		Mean	80.3	50.5	63.1 #DIV/0!	31.5
		CV (%)	22.0[a]	19.2[a]	20.3[a]	
		LSD (5%)	16.4	11.4	21.4	

†Yield average for 2012 and 2011
††Yield average for 2012, 2011, and 2010
[a]Trials with a coefficient of variation (CV) ≥ 15% contain excessive experimental error. Readers should consider trials in a similar environment to confirm varietal effect on yields.