

2006-07 USDA Uniform Winter Oat Yield Nursery at Baton Rouge, LA.

Cooperator: S Harrison, K. Arceneaux, G Schexnayder		No. Reps: 3		Plot size (ft2): 70		Planted: 11/21/06		Harvested: 5/12/2007			
Entry	Designation	Grain Yield bu/A	Test weight lb/bu	Growth Habit 0-9	Wint Stress 0-9	Head date of yr	Plant Height in.	Lod ging 0-9	Crown rust %	Stem rust 0-9	Pheno type 0-9
7	FL99201-D29-E1	134.9	33.3	4.5	4.0	90	52	1.0	0	3.0	3.8
11	LA99016SBSB-98-S	133.9	34.9	4.5	7.0	91	50	1.0	0	1.3	3.5
12	LA9917SBSBSB-31-B-S-B-S1	127.3	35.0	5.5	7.0	93	52	1.0	0	1.0	3.8
14	LA99017SBSBSB-275-C-B-S2	126.5	34.3	5.5	6.5	93	52	1.0	0	0.8	4.0
15	LA9911SBSBSB-45-B-S-B-	124.6	35.1	3.0	7.5	93	43	1.0	0	0.5	5.3
6	FL99212-D6	121.6	32.2	3.0	3.5	92	44	1.0	0	3.3	4.8
22	TX02U7682	120.8	32.3	4.0	7.0	87	43	1.0	0	0.5	3.8
4	HORIZON 321	120.4	34.9	4.5	7.5	93	40	1.5	0	0.8	5.3
5	FL99153FBS-45-1-B-S-B-	118.3	34.8	6.0	2.0	93	46	1.0	0	1.8	3.3
24	TX02U7325	117.1	30.4	5.5	3.0	86	40	2.0	0	0.3	3.8
13	LA02030-S-B-5-S2	113.0	32.9	3.5	7.5	88	46	1.0	0	0.5	3.7
10	FL99106-H4	109.1	31.9	6.0	7.0	93	44	1.0	2	0.5	3.7
17	NC02-8057	107.2	34.5	7.5	2.0	93	43	1.0	2	2.8	4.0
23	TX02U7473	106.7	32.3	3.5	6.5	87	49	1.5	0	0.0	3.8
3	Harrison	105.4	34.0	5.5	2.5	91	47	2.5	0	6.0	4.0
19	NC02-8342	104.6	30.6	6.0	2.5	93	39	1.0	3	4.8	5.2
2	TAM-O-397	101.9	30.7	5.0	7.0	91	47	1.0	0	0.5	3.8
8	FL0048-H23	101.3	31.7	5.0	4.0	89	37	4.5	0	4.8	4.2
1	Rodgers	100.4	30.3	6.0	3.0	94	47	1.0	9	4.5	4.7
16	NC02-8037	96.6	33.0	8.0	3.0	93	42	1.0	2	4.3	4.2
9	FL0105-H3	91.5	30.5	3.5	3.5	88	48	1.5	0	0.5	4.8
18	NC02-8331	89.6	30.0	7.0	3.5	94	35	1.0	1	6.5	5.7
21	SC010909	71.5	27.8	6.5	2.5	94	49	2.0	5	3.3	4.3
20	SC010907	63.5	28.6	6.5	3.5	94	48	1.0	2	2.0	4.5
	Mean	108.7	32.3	5.2	4.7	91	45	1.4	1	2.2	4.3
	CV	6	2	11	14	1		38	212	42	11
	LSD	9.0	0.8	1.0	1.2	0.9		0.9	3.2	1.6	0.8
Comments: Please include here growing conditions during the year.											
Very warm winter. Very wet Janaury (12") and dry spring											
Light and relatively non-virulent crown rust and heavy stem rust.											
Stem Rust is the average of two ratings.											
GroHa is amount of growth in February where 0 = very upright spring and 9 = very prostrate winter.											
Winter Stress is a visual rating of degree of red/purpling taken on Feb 11, after a very wet January. 0 = dark green with no discoloration; 5 = mostly green with some discoloration; 9 = completely orange foliage with no green tissue. Probably a combination of waterlogging, cold, and P-deficiency. Very striking differences.											
PHE Phenotype: 0 = excellent visual appearance; 5 = average; 9 = very poor; average of 3 ratings across spring.											
0.35 oz/acre Amber herbicide plus Harmony Extra. 0-0-60 preplant fertilizer, 46-0-0 + 23-0-0-4 topdress N 2/6 & 2/19/07.											