

ADVANCED NURSERY EVALUATION
FOR SOFT WHEAT MILLING AND BAKING QUALITY
2006 CROP

STEVE HARRISON
UNIFORM SOUTHERN NURSERY
COASTAL REGION

STD = #2548, PIONEER 26R61

§ Sample unusually high for protein, the combination of elevated sucrose SRC and large cookie diameter suggest an unusually high gliadin concentration.

LAB		ENTRY	MILLING		BAKING		TEST		SOFT.		MICRO		FLOUR		SOFT.		FLOUR		LACTIC		COOKIE		TOP		SUCROSE
NO.			QUALITY		QUALITY		WT.		EQUIV.		T.W.		YIELD		EQUIV.		PROT.		ACID		DIAM.		GR.		RET'N
			SCORE		SCORE		SCORE		SCORE		LB/BU		%		%		%		RET'N		CM.				
****	STD=	#2548, PIONEER 26R61	69.3	C	52.2	D	72.5	B	64.6	C	61.1		68.9		53.3		9.64		112.7		16.96		2		96.7
2546	46	AGS 2000	80.8	A	67.2	C	69.8	C	78.5	B	60.8		71.2		58.2		8.51		106.6		17.41		4		91.5
2547	47	USG 3209	66.1	C	43.9	E	69.3	C	63.4	C	60.7		68.2		52.9		8.86		113.4		16.71	*	2		104.1
2548	48	Pioneer 26R61	69.3	C	52.2	D	72.5	B	64.6	C	61.1		68.9		53.3		9.64		112.7		16.96		2		96.7
2549	49	McCormick	64.8	C	62.2	C	74.3	B	84.9	A	61.3		68.0	*	60.4		8.65		118.1		17.26		3		95.2
2550	50	LA95135D54-2-3	59.7	D	36.9	F	61.2	C	79.6	B	59.8	*	67.0	Q	58.6		9.11		125.8		16.50	Q	2		110.7
2551	51	VA02W-555	66.2	C	51.2	D	64.1	C	61.4	C	60.1		68.2		52.2		9.46		115.7		16.93		2		103.1
2552	52	VA02W-370	75.0	B	54.5	D	83.3	A	76.6	B	62.4		70.0		57.5		8.61		114.1		17.03		2		93.5
2553	53	GA96693-4E16	81.8	A	87.9	A	68.7	C	74.1	B	60.6		71.4		56.6		8.64		115.3		18.03		4		89.4
2554	54	GA951231-4E25	71.2	B	33.5	F	71.6	B	76.7	B	61.0		69.2		57.5		8.19		132.8		16.40	Q	3		99.5
2555	55	GA951231-4E26	75.0	B	49.2	E	70.7	B	84.3	A	60.9		70.0		60.2		7.93		128.8		16.87		3		96.5
2556	56	GA961171-4E21	52.4	D	11.2	F	68.0	C	36.2	F	60.6		65.5	Q	43.3	Q	9.74		111.5		15.73	Q	1		104.9
2557	57	AR96077-10-1	70.0	C	63.2	C	66.5	C	71.8	B	60.4		69.0		55.8		8.86		128.6		17.29		3		92.1
2558	58	ARTX5406	68.8	C	56.9	D	71.8	B	72.0	B	61.0		68.8		55.9		8.48		100.1		17.10		3		93.0
2559	59	Z00-3538	66.5	C	81.9	A	22.1	F	58.8	D	55.1	Q	68.3		51.3		8.60		99.7		17.85		5		95.0
2560	60	Z00-3554	67.3	C	63.9	C	64.4	C	60.1	C	60.1		68.5		51.7		8.48		99.6		17.31		3		91.7
2561	61	GX02-138	60.0	D	63.2	C	40.2	E	77.3	B	57.2	Q	67.0	Q	57.7		8.73		114.2		17.29		3		97.5
2562	62	VA01W-205	76.5	B	97.2	A	75.5	B	82.7	A	61.5		70.3		59.6		8.23		118.6		18.31		5		87.6
2563	63	VA02W-713	67.7	C	60.2	C	73.2	B	82.7	A	61.2		68.5		59.6		8.55		108.4		17.20		4		96.4
2564	64	P981233A1-10-12-1-1-4	50.9	D	60.9	C	43.6	E	60.4	C	57.6	Q	65.2	Q	51.8		9.84		108.1		17.22		3		95.1
2565	65	P992060G1-1-9	72.5	B	70.2	B	41.6	E	80.9	A	57.4	Q	69.5		59.0		8.18		104.3		17.50		4		93.5
2566	66	P992133A2-1-2	69.2	C	67.9	C	37.6	F	75.9	B	56.9	Q	68.8		57.3		8.31		109.6		17.43		4		93.6
2567	67	TN601	75.4	B	73.5	B	35.2	F	71.0	B	56.6	Q	70.1		55.5		8.14		122.9		17.60		4		94.6
2568	68	TN604	69.1	C	72.5	B	53.2	D	75.7	B	58.8	*	68.8		57.2		8.21		103.9		17.57		2		90.2
2569	69	NC02-1957	64.8	C	54.5	D	65.5	C	65.2	C	60.3		68.0	*	53.5		9.05		119.6		17.03		3		93.8
2570	70	NC02-4518	65.6	C	63.2	C	54.0	D	67.9	C	58.9	*	68.1		54.5		8.97		126.2		17.29		3		94.5
2571	71	MD00-72-5064	63.1	C	57.2	D	73.2	B	69.6	C	61.2		67.6	*	55.0		8.73		132.7		17.11		3		101.1
2572	72	MD99-483-5158	47.9	E	46.2	E	71.3	B	63.3	C	61.0		64.6	Q	52.8		9.23		111.9		16.78		3		96.0
2573	73	LA98094BUB-58-5	68.9	C	57.9	D	70.1	B	61.4	C	60.8		68.8		52.2		9.35		101.4		17.13		2		92.6
2574	74	LA9554-D68-3-2	72.6	B	63.5	C	59.6	D	84.4	A	59.6	*	69.5		60.2		8.82		124.4		17.30		3		95.5
2575	75	FL91226A-X4	83.3	A	78.2	B	54.6	D	72.3	B	59.0	*	71.7		56.0		9.16		112.0		17.74		3		92.5
2576	76	FL98174-D44	69.7	C	46.2	E	73.9	B	75.6	B	61.3		69.0		57.1		9.72		125.4		16.78		2		99.8

2577	77	FL98031-D15-E4	67.5	C	83.2	A	75.2	B	53.0	D		61.4		68.5		49.3	*	10.65§		117.6		17.89		5		102.5
2578	78	SC013787	58.4	D	43.5	E	64.5	C	61.8	C		60.1		66.7	Q	52.3		9.30		103.7		16.70	*	2		105.2
2579	79	SC110329	85.7	A	67.2	C	82.4	A	65.8	C		62.3		72.1		53.7		8.70		106.0		17.41		4		93.0
2580	80	G20915	79.0	B	76.9	B	73.8	B	72.7	B		61.3		70.8		56.1		8.39		118.2		17.70		5		90.5
2581	81	G28146	74.4	B	86.9	A	44.6	E	86.9	A		57.8	Q	69.9		61.1		8.41		101.7		18.00		5		88.1
2582	82	G30623	68.4	C	63.9	C	43.9	E	80.5	A		57.7	Q	68.7		58.9		8.02		101.2		17.31		5		96.9
2583	83	G30204	80.3	A	91.5	A	70.7	B	68.3	C		60.9		71.1		54.6		8.87		115.5		18.14		4		94.7
2584	84	B010973	62.0	C	48.5	E	64.8	C	56.9	D		60.2		67.4	*	50.6		9.40		109.8		16.85		4		94.6
2585	85	B011260	73.9	B	74.5	B	62.2	C	62.3	C		59.9	*	69.8		52.5		8.76		92.2		17.63		3		88.2
2586	86	B02-8486	77.7	B	87.9	A	74.8	B	75.8	B		61.4		70.5		57.2		8.70		109.5		18.03		4		89.8
2587	87	B02-8483	70.0	C	83.5	A	63.1	C	79.9	B		60.0		69.0		58.7		8.23		115.5		17.90		4		94.1
2588	88	APCK M00-3904-9	58.1	D	49.5	E	56.4	D	58.1	D		59.2	*	66.6	Q	51.0		8.04		103.4		16.88		2		108.3
2589	89	APCK M02-2152	58.1	D	48.9	E	46.2	E	70.3	B		57.9	Q	66.6	Q	55.3		8.75		116.7		16.86		3		103.5
2590	90	APCK B02-8443	63.8	C	75.5	B	61.1	C	78.5	B		59.7	*	67.8	*	58.2		8.77		115.0		17.66		3		94.6

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LAB		ENTRY					
NO.			FHB	WEATHERING	SPROUTING	SHRIVELING	COMMENTS
			(0-9)	(Yes/No)	(0-9)	(0-3)	
2546	46	AGS 2000	4	y	0	1	
2547	47	USG 3209	4	y	0	1	
2548	48	Pioneer 26R61	3	y	0	2	
2549	49	McCormick	1	n	0	2	
2550	50	LA95135D54-2-3	5	y	0	2	
2551	51	VA02W-555	5	y	0	2	
2552	52	VA02W-370	3	n	0	1	
2553	53	GA96693-4E16	3	y	0	1	
2554	54	GA951231-4E25	4	y	0	1	
2555	55	GA951231-4E26	4	y	0	1	
2556	56	GA961171-4E21	3	y	6	2	
2557	57	AR96077-10-1	1	y	1	1	
2558	58	ARTX5406	3	y	1	1	
2559	59	Z00-3538	1	y	0	1	
2560	60	Z00-3554	1	y	0	1	
2561	61	GX02-138	3	y	0	1	
2562	62	VA01W-205	1	y	1	1	
2563	63	VA02W-713	3	y	0	1	
2564	64	P981233A1-10-12-1-1-4	4	y	0	2	

GRAIN CONDITION SCALE

FHB and SPROUTING

0	None
1	1%
2	2%
3	5%
4	10%
5	20%
6	40%
7	60%
8	80%
9	100%

SHRIVELING

0	None
1	Some
2	Moderate
3	Heavy

2565	65	P992060G1-1-9	3	y	0	2	
2566	66	P992133A2-1-2	4	y	0	2	
2567	67	TN601	1	y	0	1	
2568	68	TN604	3	y	0	1	
2569	69	NC02-1957	4	y	0	1	
2570	70	NC02-4518	3	y	0	1	
2571	71	MD00-72-5064	2	y	1	2	
2572	72	MD99-483-5158	2	y	0	1	
2573	73	LA98094BUB-58-5	3	y	1	1	
2574	74	LA9554-D68-3-2	3	y	0	1	
2575	75	FL91226A-X4	3	y	0	2	
2576	76	FL98174-D44	3	y	4	1	red & white mix
2577	77	FL98031-D15-E4	2	y	1	1	
2578	78	SC013787	3	y	2	2	
2579	79	SC110329	2	y	1	1	
2580	80	G20915	2	y	0	1	
2581	81	G28146	2	y	0	1	
2582	82	G30623	2	y	0	1	
2583	83	G30204	1	y	0	1	
2584	84	B010973	2	y	0	1	
2585	85	B011260	1	y	1	1	
2586	86	B02-8486	1	y	0	1	
2587	87	B02-8483	3	y	0	1	
2588	88	APCK M00-3904-9	3	y	0	1	moldy
2589	89	APCK M02-2152	2	y	1	1	
2590	90	APCK B02-8443	2	y	0	1	

ADVANCED NURSERY
EVALUATION SUMMARY
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	STD.		AVG.	
	DATA		DATA	
MILLING QUALITY SCORE	69.30	C	68.7	
BAKING QUALITY SCORE	52.20	D	62.9	
TW SCORE	72.50	B	62.3	
SE SCORE	64.60	C	70.7	

	STD.		AVG.		ADJ.		NOTATION	
	DATA		DATA		L.S.D.		BEGINS	
							*	Q
TEST WEIGHT	61.11		59.88		1.18		59.93	58.74
FLOUR YIELD	68.87		68.74		0.74		68.13	67.39
SOFTNESS EQUIV.	53.30		55.43		2.87		50.44	47.57
FLOUR PROTEIN	9.64		8.80		0.78		10.42	11.20
LACTIC ACID RETENTION	112.71		113.16					
COOKIE DIAMETER	16.96		17.28		0.23		16.73	16.51

	A	B	C	D	E	F
MILLING SCORE	5	11	21	7	1	0
BAKING SCORE	8	7	12	7	8	3
TEST WT. SCORE	2	15	14	5	6	3
SOFTNESS EQUIV. SCORE	8	18	14	4	0	1

TOTAL

45