

2010 SRPN Intraregional Production Zone

Entry	Selection No.	Pedigree	Source
1	Kharkof	Kharkof	check
2	Scout 66	Scout 66	check
3	TAM-107	TAM-107	check
4	Fuller	Fuller	check
5	KS07HW52-5	KS025580(TREGO/CO960293)/KS02HW25(TGO/JGR 8W)	KSU-HAYS
6	KS08HW176-4	TREGO/JGR 8W	KSU-HAYS
7	OK05526	KS94U275/OK94P549 F4:12	OSU
8	OK05212	OK95616-1/Hickok/Betty F4:12	OSU
9	OK05204	SWM866442/OK95548 F4:12	OSU
10	OK05511	TAM 110/2174 F4:12	OSU
11	OK07231	OK92P577-(RMH 3099)/OK93P656-(RMH 3299) F4:10	OSU
12	T150-1	T81/T201	Trio
13	T166	T81/KS93U206	Trio
14	T167	T136/T151	Trio
15	T168	T81/T137	Trio
16	NE06545	KS92-946-B-15-1=(ABI86*3414/JAG//K92)/ALLIANCE	UNL
17	NE07444	KS96HW10-3=(KS91HW29// RIO BLANCO/KS91H184)/WAHOO/NE99585	UNL
18	NI07703	R-148 (G97343) =(919021/B725//K92)/NI00436 =(WI89-273-13/NE93427 (=	UNL
19	NI08708	CO980829 (=Yuma/T-57//CO850034/3/4*Yuma/4/NEWS1)/Wesley	UNL
20	BC01007-7	W99-331/97x0906-8	AGRIPRO NORTH
21	BC01131-24	W99-429-1/W98-422	AGRIPRO NORTH
22	BC01139-1	W99-188\$/BC950285G-1-2	AGRIPRO NORTH
23	00X0100-51	W95-301/W98-151	AGRIPRO NORTH
24	HV9W06-1046	M97-1171/G980039//G982238	WestBred Haven
25	HV9W06-509	G982231/G982159//KS920709W	WestBred Haven
26	HV9W06-262	TX98U8134/3/KARL 92*2/RAVI-36	WestBred Haven
27	HV9W04-1594R	KS89180B-2-1-1/CMBW91M02959T//JGR	WestBred Haven
28	CO04393	Stanton/CO950043	CSU
29	CO04499	Above/Stanton	CSU
30	CO050270	Hatcher/NW97S295	CSU
31	CO050303-2	CO980829/TAM 111	CSU
32	CO050322	CO980829/TAM 111	CSU
33	CO050337-2	CO980829/TAM 111	CSU
34	KS010990M~8	Trego/Ventnor//KS940786-6-4	KSU-Manhattan
35	KS06O3A~50-3	OVERLEY*3/AMADINA	KSU-Manhattan
36	KS06O3A~58-2	OVERLEY*3/AMADINA	KSU-Manhattan
37	KS011327M~2	KS940748-2-4/TX97V4311//Overlay	KSU-Manhattan
38	OK07209	OK93P656-(RMH 3299)/OK99621 F4:10	OSU
39	TX05A001822	2145/X940786-6-7	TAMU
40	TX06A001263	TX97V3006/TX98V6239	TAMU
41	TX06A001132	HBG0358/4/T107//TX78V3620/Ctk78/3/TX87V1233	TAMU
42	TX06A001281	TX98VR8422/U3704A-7-7	TAMU
43	TX06A001386	TX99A6030/CUSTER	TAMU
44	TX05V7259	T107//TX78V3620/Ctk78/3/TX87V1233/4/Arap//TX86V1540/T200	TAMU
45	TX05V7269	HBG0358/4/T107//TX78V3620/Ctk78/3/TX87V1233	TAMU
46	TX05A001188	T107//TX98V3620/Ctk78/3/TX87V1233/4/N87V106//TX86V1540/T200	TAMU
47	BC01138-5	W99-188\$/BC950814-1-1	AGRIPRO South

Entry	Selection No.	Pedigree	Source
48	AP06T3621	X920232-5/Karl 92//X920750A-13-1	AGRIPRO South



Hard Winter Wheat Quality Report 2010 SRPN-NCP

1 - Test weight	10	11 - Flour protein	8
2 - SKCS kernel weight	8	12 - Bake absorption	15
3 - Kernel weight SD	8	13 - Mixograph absorption	5
4 - SKCS kernel diameter	8	14 - Bake mix time	10
5 - Kernel diameter SD	8	15 - Mixograph mix time	5
6 - SKCS hardness	10	16 - Mixograph tolerance	5
7 - Hardness SD	8	17 - Dough weight	
8 - Flour yield	30	18 - Proof height	2
9 - Flour ash	10	19 - Loaf volume	20
10 - Milling score		20 - Volume regression	5
		21 - Crumb grain	25

ID	Milling Score	Rating	%	Baking Score	Rating	%	1RS	Trait Deficiencies
Kharkof	49.3	Very Poor	80.9	63.5	Very Good	100.0		10,20,
Scout66	58.7	Very Good	96.4	43.5	Average	68.6		20,
TAM 107	49.3	Very Poor	80.9	60.7	Very Good	95.6	1AL	1,
Fuller	51.1	Very Poor	83.8	34.7	Very Poor	54.7		8,14,15,
KS07HW52-5	59.1	Very Good	97.0	45.4	Good	71.5		5,14,15,
KS08HW176-4	57.5	Good	94.3	32.3	Very Poor	50.9		5,18,19,
OK05526	59.6	Very Good	97.8	47.9	Good	75.4		15,
Garrison	56.1	Average	92.1	42.1	Average	66.3		18,
OK05204	55.2	Average	90.6	54.4	Very Good	85.7		13,
OK05511	58.5	Good	96.0	34.0	Very Poor	53.5		15,
OK07231	58.7	Very Good	96.3	45.5	Good	71.7		14,
T150-1	54.2	Poor	88.9	42.5	Average	67.0		1,9,14,15,
T166	56.1	Average	92.1	53.0	Good	83.5	1AL	
T167	50.6	Very Poor	83.1	45.1	Average	71.0		1,3,5,14,15,
T168	55.6	Average	91.3	56.3	Very Good	88.7		
NE06545	50.0	Very Poor	82.0	29.9	Very Poor	47.1		1,11,15,17,
NE07444	58.3	Good	95.6	29.0	Very Poor	45.6		14,15,
NI07703	58.5	Very Good	96.0	43.1	Average	67.9		15,
NI08708	52.9	Poor	86.8	52.7	Good	82.9		15,
Wolf	56.2	Good	92.2	50.1	Good	78.9		13,14,15,
BC01131-24	54.7	Poor	89.7	36.0	Very Poor	56.7		15,
BC01139-1	52.5	Very Poor	86.1	50.8	Good	80.0		8,
SY Gold	53.3	Poor	87.5	39.9	Poor	62.9		14,18,19,
HV9W06-1046	56.4	Good	92.6	59.4	Very Good	93.6		18,
HV9W06-509	56.1	Average	92.0	54.6	Very Good	86.0		
HV9W06-262	54.7	Average	89.8	45.1	Average	71.0		2,4,14,15,
HV9W04-1594R	49.9	Very Poor	81.9	47.3	Good	74.5	1BL	1,2,4,9,
CO04393	59.9	Very Good	98.3	48.6	Good	76.5		14,15,
CO04499	57.6	Good	94.5	32.6	Very Poor	51.4		14,15,
CO050270	54.4	Poor	89.2	38.5	Poor	60.6		18,

Quality scores and ratings are calculated directly from the relative trait weightings (printed at the top of the page) and are applicable only to the nursery selected.



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1 - Test weight	10	11 - Flour protein	8
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10 - Milling score		20 - Volume regression	5
		21 - Crumb grain	25

ID	Milling Score	Rating	%	Baking Score	Rating	%	1RS	Trait Deficiencies
CO050303-2	50.0	Very Poor	82.1	43.6	Average	68.6		16,18,19,20,
CO050322	52.8	Poor	86.6	48.8	Good	76.8		18,
CO050337-2	50.8	Very Poor	83.4	53.9	Very Good	85.0		
KS010990M-8	55.0	Average	90.3	36.6	Poor	57.6		18,
KS06O3A~50-3	52.6	Poor	86.3	45.5	Average	71.7		3,12,16,17,
KS06O3A~58-2	50.9	Very Poor	83.5	32.9	Very Poor	51.8		8,10,15,16,20,
KS011327M-2	54.7	Poor	89.7	34.6	Very Poor	54.5		15,16,
OK07209	59.5	Very Good	97.6	37.7	Poor	59.4		
TX05A001822	56.4	Good	92.6	34.0	Very Poor	53.6		15,
TX06A001263	55.6	Average	91.2	42.0	Poor	66.2	1AL	
TX06A001132	59.6	Very Good	97.7	38.4	Poor	60.5		16,
TX06A001281	58.3	Good	95.6	58.7	Very Good	92.5		
TX06A001386	56.6	Good	92.9	41.8	Poor	65.8		21,
TX05V7259	57.0	Good	93.6	42.9	Average	67.5		14,15,
TX05V7269	54.1	Poor	88.8	40.0	Poor	62.9		
TX05A001188	60.9	Very Good	100.0	54.7	Very Good	86.2		
CJ	55.0	Average	90.2	37.5	Poor	59.1		12,17,
AP06T3621	54.8	Poor	89.9	40.5	Poor	63.8		12,13,14,15,16,

2010 SRPN Intraregional Production Zone

North Central Plains

LINE	Wt/Bu (lb)	SKCS Average Kernel						Hardness			
		Moisture		Weight		Diameter		SKCS	Class	Distribution	
		(%)	(sd)	(mg)	(sd)	(mm)	(sd)				
								(sd)			
Kharkof	58.4	12.8	0.6	28.5	7.1	2.56	0.29	42 22	MIXED	34--29--18--19--03	
Scout 66	58.7	12.5	0.4	31.9	9.0	2.65	0.34	53 16	MIXED	11--26--29--34--03	
TAM-107	54.8	12.5	0.4	28.9	8.5	2.54	0.35	55 15	HARD	05--25--31--39--01	
Fuller	57.7	12.6	0.4	29.6	8.6	2.66	0.31	54 16	HARD	07--23--34--36--02	
KS07HW52-5	59.8	12.7	0.3	33.1	9.8	2.72	0.38	65 17	HARD	03--10--21--66--01	
KS08HW176-4	58.4	12.7	0.4	30.7	9.2	2.62	0.38	66 16	HARD	02--09--23--66--01	
OK05526	58.9	12.6	0.4	33.0	9.2	2.76	0.32	50 15	HARD	10--32--32--26--02	
OK05212	58.8	12.5	0.4	30.0	8.7	2.53	0.36	53 14	HARD	06--28--34--32--02	
OK05204	58.2	12.5	0.3	33.3	9.4	2.72	0.35	54 17	HARD	09--24--30--37--02	
OK05511	59.0	12.6	0.4	34.6	9.3	2.78	0.37	54 15	HARD	06--25--33--36--02	
OK07231	57.8	12.7	0.3	32.4	8.2	2.73	0.31	66 17	HARD	04--08--20--68--01	
T150-1	55.5	12.6	0.4	29.8	8.5	2.58	0.34	64 14	HARD	01--07--26--66--01	
T166	57.8	12.4	0.3	30.3	9.1	2.59	0.35	61 16	HARD	04--12--31--53--01	
T167	56.1	12.6	0.4	34.4	10.3	2.66	0.40	56 16	HARD	06--20--32--42--02	
T168	58.7	12.5	0.4	29.4	7.9	2.57	0.33	57 15	HARD	07--16--32--45--02	
NE06545	55.8	12.8	0.4	30.0	9.3	2.60	0.37	45 16	MIXED	22--33--27--18--03	
NE07444	57.8	12.6	0.4	31.1	8.2	2.64	0.31	54 15	HARD	07--23--34--36--02	
NI07703	58.1	12.8	0.4	33.5	8.8	2.71	0.34	54 15	HARD	08--23--34--35--02	
NI08708	56.2	12.4	0.4	30.1	8.9	2.61	0.34	55 18	MIXED	11--21--30--38--03	
BC01007-7	58.3	12.8	0.4	28.1	7.7	2.56	0.35	58 17	HARD	07--16--30--47--02	
BC01131-24	58.0	12.5	0.4	27.6	8.4	2.55	0.36	56 17	HARD	08--19--30--43--02	
BC01139-1	57.0	12.7	0.4	31.3	8.9	2.70	0.34	55 15	HARD	06--23--31--40--02	
00X0100-51	57.3	12.5	0.4	28.2	8.2	2.55	0.33	60 17	HARD	05--15--30--50--01	
HV9W06-1046	58.8	12.2	0.4	27.8	7.6	2.61	0.30	63 16	HARD	03--13--25--59--01	
HV9W06-509	57.7	12.5	0.4	28.6	7.8	2.59	0.33	60 15	HARD	04--15--30--51--01	
HV9W06-262	57.5	12.3	0.4	25.6	7.5	2.42	0.32	60 17	HARD	05--16--26--53--01	
HV9W04-1594R	55.6	12.5	0.4	24.6	6.7	2.42	0.29	72 22	HARD	04--10--15--71--01	
CO04393	57.6	12.5	0.3	33.2	8.3	2.74	0.33	48 15	MIXED	16--31--31--22--03	
CO04499	58.0	12.4	0.4	33.0	9.5	2.67	0.38	51 15	MIXED	11--28--32--29--03	
CO050270	57.9	12.7	0.3	32.7	9.5	2.65	0.34	50 15	MIXED	14--28--33--25--03	
CO050303-2	56.6	12.7	0.3	29.0	8.6	2.51	0.33	49 16	MIXED	16--28--29--27--03	
CO050322	56.7	12.7	0.3	29.9	8.8	2.59	0.32	52 15	HARD	09--25--34--32--02	
CO050337-2	57.6	12.6	0.3	29.1	9.2	2.54	0.36	53 16	MIXED	11--22--30--37--03	
KS010990M~8	57.1	12.5	0.4	32.3	9.6	2.69	0.37	56 16	HARD	05--18--37--40--01	
KS06O3A~50-3	57.8	12.6	0.3	33.1	10.2	2.69	0.37	56 16	HARD	06--23--30--41--02	
KS06O3A~58-2	58.7	12.4	0.4	33.3	9.7	2.78	0.38	66 20	HARD	07--10--16--67--02	
KS011327M~2	57.7	12.5	0.3	31.0	9.3	2.69	0.36	57 18	HARD	07--21--32--40--02	
OK07209	58.6	12.2	0.3	32.0	8.8	2.74	0.34	46 15	MIXED	21--29--29--21--03	
TX05A001822	58.8	12.3	0.4	30.3	8.2	2.64	0.33	55 19	HARD	10--22--28--40--02	
TX06A001263	59.1	12.6	0.4	31.5	8.5	2.72	0.35	65 19	HARD	04--08--22--66--01	
TX06A001132	59.5	12.4	0.4	36.3	9.3	2.80	0.36	52 16	HARD	10--26--34--30--02	
TX06A001281	58.2	12.3	0.3	32.6	8.5	2.70	0.32	56 15	HARD	06--16--35--43--02	
TX06A001386	59.0	12.2	0.4	34.0	8.9	2.75	0.35	63 18	HARD	03--16--21--60--01	
TX05V7259	58.6	12.3	0.3	32.3	7.3	2.72	0.31	59 17	HARD	06--16--27--51--02	
TX05V7269	58.2	12.4	0.4	31.2	8.1	2.65	0.32	54 16	HARD	09--23--36--32--02	

LINE	Wt/Bu (lb)	SKCS Average Kernel						Hardness			
		Moisture		Weight		Diameter		SKCS		Class	Distribution
		(%)	(sd)	(mg)	(sd)	(mm)	(sd)	(sd)			
TX05A001188	58.9	12.3	0.4	31.9	8.6	2.69	0.30	57	14	HARD	05--17--37--41--01
BC01138-5	57.5	12.3	0.4	28.9	7.7	2.61	0.34	61	17	HARD	06--15--23--56--02
AP06T3621	56.7	12.4	0.3	31.9	9.2	2.62	0.36	53	16	HARD	07--28--30--35--02

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North Central Plains

LINE	Wheat		Flour			Noodle Color					
	Protein	Milling Yield	Ash	Protein	PPO	L @ 0	a @ 0	b @ 0	Delta L 24 hrs	Delta a 24 hrs	Delta b 24 hrs
	(%)	(%)	(%)	(%)							
Kharkof	13.9	69.7	0.44	12.7	0.650	80.18	-1.50	21.68	-12.65	2.10	2.30
Scout 66	13.4	72.1	0.39	12.4	0.690	80.05	-1.05	21.39	-11.75	1.60	1.08
TAM-107	13.0	68.7	0.41	11.7	0.790	80.34	-1.27	23.34	-11.93	1.60	1.69
Fuller	12.6	67.1	0.35	11.4	0.848	81.08	-1.21	20.81	-14.05	1.84	3.18
KS07HW52-5	12.4	71.8	0.43	11.3	0.705	81.79	-1.43	21.59	-13.58	2.17	2.37
KS08HW176-4	12.0	71.7	0.44	10.8	0.797	81.78	-1.15	19.43	-14.02	2.22	4.00
OK05526	12.1	71.3	0.36	10.9	0.782	82.18	-1.12	19.31	-12.36	1.43	4.61
OK05212	12.0	70.2	0.39	11.1	0.785	81.93	-1.07	19.89	-11.75	1.52	3.34
OK05204	11.6	70.7	0.42	10.5	0.758	82.62	-1.21	18.98	-12.85	2.01	3.73
OK05511	12.1	70.9	0.41	11.0	0.806	81.75	-1.11	19.57	-13.01	1.56	4.22
OK07231	11.9	70.6	0.42	10.7	0.241	83.14	-1.10	19.49	-12.46	1.30	5.19
T150-1	12.1	70.6	0.47	11.4	0.752	82.09	-0.79	17.79	-14.76	2.00	4.66
T166	12.0	71.2	0.43	11.4	0.778	80.93	-1.07	20.22	-13.54	1.73	4.94
T167	12.2	69.4	0.44	11.1	0.705	81.16	-1.13	21.01	-11.93	1.91	4.01
T168	13.0	69.3	0.39	11.7	0.762	80.36	-1.05	21.09	-12.90	1.73	2.55
NE06545	11.3	69.8	0.38	10.5	0.660	83.29	-1.43	18.86	-14.26	2.13	5.29
NE07444	11.6	71.4	0.41	10.5	0.742	81.99	-1.53	21.13	-12.14	2.26	1.68
NI07703	12.1	71.6	0.43	11.2	0.666	81.44	-1.25	20.99	-11.49	1.25	4.28
NI08708	12.4	70.4	0.37	11.3	0.896	81.13	-1.15	19.55	-12.55	1.10	4.82
BC01007-7	11.9	71.1	0.41	10.9	0.852	81.76	-1.67	21.94	-12.04	1.07	3.72
BC01131-24	12.6	70.9	0.39	11.5	0.702	81.49	-1.08	20.43	-12.18	0.85	5.37
BC01139-1	11.7	68.2	0.38	10.9	0.896	81.89	-1.25	20.72	-11.70	0.51	5.34
00X0100-51	11.8	69.7	0.40	10.5	0.625	82.73	-1.29	19.90	-10.83	0.67	4.96
HV9W06-1046	12.7	69.2	0.39	11.8	0.747	81.77	-1.23	19.86	-12.17	0.39	6.01
HV9W06-509	11.9	70.2	0.43	11.2	0.764	83.42	-1.50	19.39	-14.41	2.36	3.45
HV9W06-262	12.5	70.4	0.38	11.6	0.718	80.70	-1.33	21.08	-12.61	1.80	2.18
HV9W04-1594R	12.2	70.0	0.46	11.4	0.623	80.32	-1.19	21.71	-14.95	1.75	4.49
CO04393	12.5	72.5	0.41	11.7	0.781	81.03	-1.55	23.18	-12.94	1.39	2.97
CO04499	12.4	71.7	0.38	11.2	0.784	81.01	-1.60	22.88	-11.09	0.84	3.83
CO050270	12.4	70.0	0.40	11.2	0.643	82.08	-1.46	21.33	-12.52	1.86	1.59
CO050303-2	11.4	69.2	0.40	10.6	0.723	81.60	-1.90	23.31	-9.77	1.70	1.77
CO050322	11.8	69.4	0.38	10.9	0.742	82.34	-1.78	22.39	-11.58	1.93	2.43
CO050337-2	11.9	68.9	0.37	10.7	0.741	81.68	-1.88	23.51	-11.33	2.24	0.81
KS010990M-8	11.7	70.8	0.40	10.6	0.677	83.48	-1.68	20.46	-13.93	1.98	4.56
KS06O3A-50-3	12.3	69.6	0.42	11.4	0.743	81.75	-1.58	21.85	-12.19	1.49	3.70
KS06O3A-58-2	12.5	67.8	0.42	11.4	0.678	81.87	-1.25	21.73	-12.54	1.29	4.78
KS011327M-2	11.9	71.1	0.41	11.1	0.724	82.16	-1.53	21.12	-11.91	1.43	4.52
OK07209	11.8	72.1	0.37	10.9	0.702	81.71	-1.66	22.34	-9.78	1.09	2.96
TX05A001822	12.1	71.2	0.40	11.2	0.742	81.73	-1.44	22.25	-11.60	1.12	3.95
TX06A001263	12.5	69.8	0.43	11.6	0.773	82.43	-1.37	20.08	-11.76	0.72	5.58
TX06A001132	12.2	71.7	0.43	11.3	0.718	81.71	-1.17	20.74	-12.00	1.23	4.38
TX06A001281	12.6	70.7	0.42	11.9	0.828	80.73	-0.84	18.89	-12.32	0.66	6.80

LINE	Wheat		Flour			Noodle Color					
	Protein	Milling	Ash	Protein	PPO	L @ 0	a @ 0	b @ 0	Delta L	Delta a	Delta b
	(%)	Yield							24 hrs	24 hrs	24 hrs
	(%)	(%)	(%)	(%)							
TX06A001386	12.0	69.7	0.41	11.0	0.672	82.20	-1.17	19.87	-12.69	1.09	4.65
TX05V7259	12.5	69.0	0.39	11.2	0.850	81.59	-1.26	19.91	-11.62	1.25	4.52
TX05V7269	11.6	68.8	0.39	10.7	0.817	81.77	-1.25	20.11	-11.46	0.98	4.29
TX05A001188	12.8	71.2	0.38	11.6	0.715	82.26	-1.06	18.66	-12.79	1.42	5.47
BC01138-5	11.9	69.8	0.39	11.1	0.699	81.41	-1.45	22.66	-11.35	2.82	-0.19
AP06T3621	11.6	71.3	0.40	10.6	0.865	82.52	-1.52	20.35	-13.92	2.80	1.75

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	Flour Protein	Mixograph			
		Absorption	As-Is	Corrected	Tolerance
Line	(%)	(%)	(min)	(min)	
Kharkof	12.7	64.0	3.63	3.63	4
Scout 66	12.4	64.6	3.50	3.50	3
TAM-107	11.7	62.4	4.50	4.31	4
Fuller	11.4	63.0	6.38	5.93	5
KS07HW52-5	11.3	61.7	6.63	6.05	5
KS08HW176-4	10.8	60.8	4.38	3.73	3
OK05526	10.9	62.1	5.50	4.78	3
OK05212	11.1	62.5	4.38	3.93	4
OK05204	10.5	59.5	4.88	4.00	3
OK05511	11.0	61.1	5.50	4.81	3
OK07231	10.7	60.9	4.88	4.14	4
T150-1	11.4	61.9	6.75	6.26	4
T166	11.4	60.8	4.38	4.05	4
T167	11.1	61.4	7.00	6.21	3
T168	11.7	62.3	4.25	4.08	4
NE06545	10.5	60.4	6.50	5.31	4
NE07444	10.5	60.4	6.63	5.45	5
NI07703	11.2	60.6	5.38	4.85	3
NI08708	11.3	60.8	5.38	4.94	4
BC01007-7	10.9	58.6	6.00	5.20	4
BC01131-24	11.5	61.6	5.38	5.08	4
BC01139-1	10.9	60.6	4.50	3.92	4
00X0100-51	10.5	60.5	4.63	3.80	4
HV9W06-1046	11.8	62.7	4.00	3.91	4
HV9W06-509	11.2	61.6	5.00	4.51	4
HV9W06-262	11.6	61.8	6.75	6.45	5
HV9W04-1594R	11.4	61.3	4.50	4.15	4
CO04393	11.7	61.9	6.38	6.14	4
CO04499	11.2	61.1	6.38	5.75	4
CO050270	11.2	61.1	3.75	3.40	3
CO050303-2	10.6	60.0	3.75	3.12	2
CO050322	10.9	60.5	5.00	4.32	4
CO050337-2	10.7	60.2	4.38	3.68	3
KS010990M~8	10.6	60.0	4.50	3.72	4
KS06O3A~50-3	11.4	60.4	5.00	4.65	2
KS06O3A~58-2	11.4	61.5	5.38	5.02	2
KS011327M~2	11.1	60.3	5.38	4.78	2
OK07209	10.9	60.1	4.50	3.91	4
TX05A001822	11.2	60.6	6.38	5.75	4
TX06A001263	11.6	61.9	5.00	4.79	4
TX06A001132	11.3	60.8	3.25	2.99	2
TX06A001281	11.9	62.2	3.50	3.44	4

	Flour Protein	Mixograph			
		Absorption	As-Is	Corrected	Tolerance
Line	(%)	(%)	(min)	(min)	
TX06A001386	11.0	61.3	5.00	4.39	5
TX05V7259	11.2	61.7	6.50	5.88	4
TX05V7269	10.7	60.8	5.25	4.45	5
TX05A001188	11.6	62.3	4.38	4.19	5
BC01138-5	11.1	60.5	4.88	4.37	4
AP06T3621	10.6	59.2	8.13	6.80	2

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Line	RVA							
	Stirring Number	Peak Viscosity	Trough Viscosity	Breakdown	Final Viscosity	Set back	Peak Time	Pasting Temp
	(RVU)	(RVU)	(RVU)	(RVU)	(RVU)	(RVU)	(min)	(Deg. C)
Kharkof	120.92	171.42	93.17	78.25	181.17	88.00	6.00	84.85
Scout 66	129.50	198.92	118.50	80.42	219.58	101.08	6.07	67.75
TAM-107	128.92	256.67	164.92	91.75	292.58	127.67	6.33	67.65
Fuller	146.33	242.33	165.67	76.67	296.08	130.42	6.33	67.70
KS07HW52-5	112.67	231.33	119.92	111.42	212.50	92.58	6.13	67.65
KS08HW176-4	98.42	237.33	121.67	115.67	214.58	92.92	6.13	67.90
OK05526	117.92	253.17	160.25	92.92	284.17	123.92	6.27	67.80
OK05212	130.33	247.25	156.00	91.25	272.33	116.33	6.27	67.75
OK05204	115.83	249.25	153.75	95.50	268.33	114.58	6.27	67.80
OK05511	121.83	245.92	149.92	96.00	266.50	116.58	6.20	67.75
OK07231	128.33	217.75	143.67	74.08	263.83	120.17	6.20	66.05
T150-1	133.17	256.92	157.33	99.58	266.00	108.67	6.40	67.85
T166	125.08	252.00	164.42	87.58	288.08	123.67	6.33	67.85
T167	136.58	257.00	164.67	92.33	287.92	123.25	6.40	68.45
T168	122.67	241.25	150.25	91.00	265.33	115.08	6.20	67.80
NE06545	106.25	248.08	154.92	93.17	284.75	129.83	6.13	66.90
NE07444	127.08	223.42	140.00	83.42	257.17	117.17	6.13	67.70
NI07703	105.67	218.58	122.08	96.50	230.67	108.58	6.07	67.65
NI08708	61.33	92.83	23.42	69.42	57.75	34.33	5.00	67.85
BC01007-7	111.08	172.42	93.50	78.92	189.25	95.75	5.80	67.70
BC01131-24	106.00	247.75	140.83	106.92	236.75	95.92	6.20	67.75
BC01139-1	115.25	190.08	115.17	74.92	215.25	100.08	6.07	67.85
00X0100-51	132.00	225.00	145.92	79.08	273.58	127.67	6.13	67.80
HV9W06-1046	68.50	106.67	30.75	75.92	74.58	43.83	5.13	67.70
HV9W06-509	118.08	215.08	120.92	94.17	223.42	102.50	6.07	67.80
HV9W06-262	134.67	232.00	151.25	80.75	274.17	122.92	6.20	66.85
HV9W04-1594R	139.75	210.83	132.42	78.42	242.58	110.17	6.20	67.65
CO04393	126.08	242.42	140.08	102.33	242.75	102.67	6.27	67.65
CO04499	127.08	261.00	159.42	101.58	270.00	110.58	6.33	67.85
CO050270	129.00	203.00	120.00	83.00	224.92	104.92	6.07	69.40
CO050303-2	147.42	231.00	158.33	72.67	283.75	125.42	6.33	86.50
CO050322	133.00	223.67	145.50	78.17	271.08	125.58	6.20	67.70
CO050337-2	121.75	247.17	155.25	91.92	280.00	124.75	6.20	67.75
KS010990M-8	106.17	174.17	84.92	89.25	171.25	86.33	5.87	67.85
KS06O3A-50-3	129.00	221.17	142.25	78.92	259.58	117.33	6.27	67.65
KS06O3A-58-2	127.00	206.33	117.42	88.92	227.08	109.67	6.07	66.95
KS011327M-2	130.08	229.25	150.33	78.92	268.92	118.58	6.27	67.80
OK07209	126.67	253.00	164.42	88.58	294.50	130.08	6.27	67.85
TX05A001822	126.58	241.58	152.50	89.08	272.25	119.75	6.20	67.75
TX06A001263	129.67	244.33	145.50	98.83	248.25	102.75	6.27	67.75
TX06A001132	117.00	218.75	144.58	74.17	265.58	121.00	6.13	67.85
TX06A001281	108.42	198.25	95.75	102.50	176.00	80.25	6.07	69.35
TX06A001386	123.33	254.08	146.00	108.08	248.67	102.67	6.27	67.65
TX05V7259	135.75	243.75	165.25	78.50	292.00	126.75	6.33	67.80
TX05V7269	121.58	238.42	156.92	81.50	285.25	128.33	6.20	67.75
TX05A001188	122.00	245.75	156.92	88.83	280.17	123.25	6.27	67.85

RVA								
Line	Stirring Number	Peak Viscosity	Trough Viscosity	Breakdown	Final Viscosity	Set back	Peak Time	Pasting Temp
	(RVU)	(RVU)	(RVU)	(RVU)	(RVU)	(RVU)	(min)	(Deg. C)
BC01138-5	111.25	230.67	138.92	91.75	247.42	108.50	6.20	67.70
AP06T3621	122.67	243.08	149.17	93.92	272.17	123.00	6.20	67.65

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Line	Flour		Mix Time		Dough					
	Protein	Water Abs.	As-is	Corrected	Weight	Proof Height	Crumb Grain	As-Rec'd.	Specific Volume	Loaf Volume Potential
	(%)	(%)	(min)	(min)	(g)	(cm)		(cc)	(cc/g)	(cc/%)
Kharkof	12.7	64.3	5.25	5.25	172.4	7.7	4.0	955	6.4	68
Scout 66	12.4	63.6	3.75	3.75	172.7	7.8	4.5	950	6.4	69
TAM-107	11.7	63.7	6.13	5.87	172.0	7.8	4.0	1010	6.8	82
Fuller	11.4	63.6	7.25	6.73	172.1	7.5	3.5	920	6.2	74
KS07HW52-5	11.3	63.5	8.88	8.10	171.9	7.3	4.0	900	6.1	72
KS08HW176-4	10.8	60.6	6.00	5.11	169.3	7.1	2.8	855	5.8	71
OK05526	10.9	61.7	6.75	5.87	170.0	7.3	4.0	925	6.3	78
OK05212	11.1	62.6	5.25	4.71	171.7	7.1	5.5	920	6.3	76
OK05204	10.5	60.7	5.88	4.82	169.5	7.4	5.0	910	6.3	80
OK05511	11.0	61.5	6.50	5.68	170.3	7.4	4.5	935	6.4	79
OK07231	10.7	62.5	8.13	6.90	171.1	7.5	4.0	900	6.1	77
T150-1	11.4	62.2	8.88	8.23	169.8	7.5	3.0	965	6.6	79
T166	11.4	61.2	5.50	5.08	169.7	7.6	3.0	970	6.6	80
T167	11.1	65.5	8.50	7.55	173.3	7.3	4.0	900	5.9	74
T168	11.7	61.4	5.25	5.03	170.2	7.7	3.0	995	6.8	80
NE06545	10.5	61.5	7.00	5.72	168.6	7.6	3.5	890	5.9	78
NE07444	10.5	63.6	8.63	7.09	172.1	7.3	4.2	885	5.9	77
NI07703	11.2	62.4	5.38	4.85	170.7	7.9	3.8	1005	6.1	86
NI08708	11.3	62.7	6.25	5.74	172.0	7.3	4.0	950	6.3	78
BC01007-7	10.9	61.5	7.25	6.28	170.3	7.5	5.0	920	6.2	78
BC01131-24	11.5	61.5	7.13	6.74	172.7	7.3	3.8	980	6.6	79
BC01139-1	10.9	61.5	6.25	5.45	170.0	7.2	4.0	900	6.0	75
00X0100-51	10.5	60.6	8.00	6.57	169.4	7.1	4.0	835	5.6	70
HV9W06-1046	11.8	61.8	4.75	4.65	170.9	7.1	4.0	950	6.3	74
HV9W06-509	11.2	64.7	6.88	6.20	172.7	7.6	4.0	960	6.4	80
HV9W06-262	11.6	61.6	8.25	7.88	169.7	7.3	4.0	925	6.3	72
HV9W04-1594R	11.4	62.5	6.25	5.77	170.7	7.5	3.0	900	6.1	72
CO04393	11.7	62.8	8.63	8.31	170.5	7.4	4.0	985	6.7	79
CO04499	11.2	61.9	7.50	6.76	169.9	7.5	3.8	960	6.6	80
CO050270	11.2	62.7	4.13	3.75	171.8	7.1	3.2	885	6.0	71
CO050303-2	10.6	60.6	4.63	3.85	169.6	6.9	3.0	835	5.7	70
CO050322	10.9	61.6	6.00	5.18	170.0	7.1	4.0	875	5.9	73
CO050337-2	10.7	61.6	5.38	4.52	170.0	7.6	4.0	915	6.3	79
KS010990M-8	10.6	61.7	6.00	4.97	170.3	7.1	4.5	905	6.2	79
KS06O3A-50-3	11.4	59.5	5.25	4.89	168.5	7.4	3.0	925	6.4	74
KS06O3A-58-2	11.4	60.7	5.63	5.26	168.9	7.6	3.5	890	6.1	70
KS011327M-2	11.1	60.7	6.00	5.33	169.3	7.5	3.5	950	6.5	80
OK07209	10.9	61.9	5.88	5.11	170.4	7.6	4.5	910	6.2	77
TX05A001822	11.2	61.7	6.38	5.75	170.0	7.6	4.8	925	6.3	76
TX06A001263	11.6	61.6	5.50	5.27	170.3	7.7	4.5	970	6.5	77
TX06A001132	11.3	61.6	4.25	3.91	170.8	7.7	3.5	925	6.2	75
TX06A001281	11.9	61.8	4.63	4.55	171.9	7.8	3.0	1025	6.9	82
TX06A001386	11.0	62.8	6.38	5.60	171.4	7.7	2.0	900	6.0	75
TX05V7259	11.2	62.8	8.50	7.69	171.5	7.6	4.0	885	5.9	71

Line	Flour		Mix Time		Dough					
	Protein	Water Abs.	As-is	Corrected	Weight	Proof Height	Crumb Grain	As-Rec'd.	Specific Volume	Loaf Volume Potential
	(%)	(%)	(min)	(min)	(g)	(cm)		(cc)	(cc/g)	(cc/%)
TX05V7269	10.7	62.5	5.75	4.87	171.2	7.6	3.8	935	6.3	81
TX05A001188	11.6	63.6	6.63	6.34	172.8	7.6	4.0	915	6.1	71
BC01138-5	11.1	59.8	5.25	4.70	168.6	7.4	3.5	920	6.3	76
AP06T3621	10.6	60.2	7.75	6.48	168.9	7.7	4.0	920	6.3	80