Table 5: Regional quality weighted averages

	Winter rainfall area (Western Cape)			Summer rainfall and Irrigation area (Free State)			Irrigation areas			RSA average		
Number of samples per area	**151**			**41**			**112**			**304**		
Regions	**1 - 6**			**21 - 28**			**10 - 11, 12 - 20, 33, 34, 35, 36**			**All**		
Hectolitre mass dirty, kg/hl	79.1			79.9			83.2			80.7		
1000 kernel mass (13% mb), g	36.2			37.9			39.6			37.7		
Falling number, sec	370			338			385			371		
Screenings (1.8 mm sieve), %	1.79			1.48			1.05			1.51		
Protein (12% mb), % (ww)	13.2			12.6			11.9			12.6		
Mixogram peak time, min (Quadromat Junior)	2.6			2.9			2.8			2.7		
Composite samples per class and grade	***B1***	***B2***	***B3***	***B1***	***B2***	***B3***	***B1***	***B2***	***B3***	***B1***	***B2***	***B3***
	B4	***UT***	***COW***	***B4***	***UT***	***COW***	***B4***	***UT***	***COW***	***B4***	***UT***	***COW***
Composite samples, n = 70	***5***	***4***	***3***	***7***	***5***	***2***	***13***	***10***	***4***	***25***	***19***	***9***
	3	***6***	***2***	***1***	***1***	***-***	***3***	***1***	***-***	***7***	***8***	***2***
Bühler extraction, %	71.4	71.2	72.4	73.1	74.2	75.2	73.9	74.4	73.7	73.2	73.6	73.6
	72.0	71.2	71.2	74.0	71.4	-	73.1	74.1	-	72.8	71.6	71.2
Flour colour, KJ (wet)	-4.0	-3.8	-3.8	-3.8	-4.4	-4.2	-4.3	-4.3	-4.5	-4.1	-4.2	-4.2
	-4.2	-4.0	-3.5	-4.6	-3.1	-	-4.3	-4.6	-	-4.3	-3.9	-3.5
Colour, Konica Minolta CM5 (dry)												
L*	93.81	93.68	93.65	93.45	93.94	93.96	93.76	93.83	93.95	93.68	93.83	93.85
	93.93	93.85	93.59	94.12	93.05	-	93.91	93.99	-	93.95	93.77	93.59
b*	10.37	10.50	10.12	9.91	9.44	10.13	9.32	9.68	9.81	9.69	9.79	9.99
	10.43	10.28	9.78	9.32	10.25	-	9.42	10.04	-	9.84	10.25	9.78
Ash (db), %	0.57	0.59	0.57	0.60	0.62	0.60	0.61	0.61	0.64	0.60	0.61	0.61
	0.56	0.59	0.65	0.61	0.60	-	0.59	0.63	-	0.58	0.60	0.65
Flour protein (12% mb), %	12.4	12.8	11.4	12.0	10.4	9.4	11.9	10.7	9.7	12.0	11.1	10.2
	11.2	12.0	12.0	8.1	11.1	-	9.5	10.6	-	10.0	11.7	11.9

Table 5: Regional quality weighted averages (continue)

	Winter rainfall area (Western Cape)			Summer rainfall and Irrigation area (Free State)			Irrigation areas			RSA average		
Regions	1 - 6			21 - 28			10 - 11, 12 - 20, 33, 34, 35, 36			All		
Composite samples per class and grade	*B1*	*B2*	*B3*	*B1*	*B2*	*B3*	*B1*	*B2*	*B3*	*B1*	*B2*	*B3*
	B4	*UT*	*COW*	*B4*	*UT*	*COW*	*B4*	*UT*	*COW*	*B4*	*UT*	*COW*
Composite samples, n = 70	*5*	*4*	*3*	*7*	*5*	*2*	*13*	*10*	*4*	*25*	*19*	*9*
	3	*6*	*2*	*1*	*1*	*-*	*3*	*1*	*-*	*7*	*8*	*2*
Wet gluten (14% mb), %	33.7	35.0	30.7	33.4	29.0	24.4	32.0	29.6	26.6	32.7	30.6	27.5
	30.1	32.1	31.6	21.4	30.0	-	25.0	30.8	-	26.7	31.7	31.6
Dry gluten (14% mb), %	11.6	12.1	10.4	11.2	9.6	8.3	10.9	9.9	8.7	11.1	10.3	9.2
	10.2	11.1	10.9	7.0	10.1	-	8.4	10.1	-	9.0	10.8	10.9
Gluten Index	94	93	94	92	96	99	94	91	93	93	93	94
	93	94	90	97	92	-	95	83	-	94	92	90
Farinogram: Water absorption (14% mb), %	60.9	61.8	60.6	60.8	59.2	59.5	61.0	59.9	58.7	60.9	60.1	59.5
	60.1	60.9	60.4	56.0	60.7	-	58.4	60.7	-	58.8	60.9	60.4
Farinogram: Development time, min	6.0	6.5	5.2	5.6	4.9	3.5	6.8	4.9	4.1	6.3	5.2	4.3
	5.0	5.6	5.2	3.2	5.2	-	4.8	4.3	-	4.7	5.4	5.2
Farinogram: Stability, min	9.8	10.9	8.2	7.7	6.0	8.4	9.3	6.1	5.8	9.0	7.1	7.2
	9.1	9.7	7.2	6.2	7.3	-	7.0	5.4	-	7.8	8.8	7.2
Alveogram: Strength (S), cm^2	46.1	39.0	38.9	40.7	33.4	31.4	46.1	34.4	31.7	44.6	36.1	34.0
	40.1	42.9	36.1	18.8	35.3	-	34.3	31.8	-	34.6	40.6	36.1
Alveogram: P/L	0.59	0.73	0.77	0.69	0.71	2.73	0.79	0.79	0.80	0.72	0.75	1.22
	0.75	0.74	0.69	0.90	1.14	-	0.84	0.85	-	0.81	0.80	0.69
Extensogram: Strength, cm^2	127	119	97	106	89	91	126	97	82	121	100	89
	98	116	95	62	93	-	88	82	-	89	109	95
Mixogram peak time, min	2.4	2.4	2.3	2.6	2.7	3.2	3.0	2.6	2.8	2.8	2.6	2.7
	2.5	2.3	2.5	3.2	2.9	-	2.9	2.3	-	2.7	2.4	2.5
Relationship between protein and bread volume	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX
	EX	EX	EX	EX	EX	-	EX	EX	-	EX	EX	EX

EX = Excellent