

**Table 5: Regional quality weighted averages**

	<i>Winter rainfall area (Western Cape)</i>			<i>Summer rainfall and Irrigation area (Free State)</i>			<i>Irrigation areas</i>			<i>RSA average</i>		
<i>Number of samples per area</i>	145			76			119			340		
<b>Regions</b>	1 - 6			21 - 28			10 - 11, 12 - 20, 29 - 33, 34, 35, 36			All		
<b>Hectolitre mass dirty, kg/hl</b>	78.6			79.2			80.9			79.5		
<b>1000 kernel mass (13% mb), g</b>	40.8			37.0			39.0			39.3		
<b>Falling number, sec</b>	341			308			349			337		
<b>Screenings (1,8 mm), %</b>	1.67			1.35			1.36			1.58		
<b>Protein (12% mb), % (ww)</b>	10.7			12.7			12.0			11.6		
<b>Mixogram peak time, min (Quadromat)</b>	2.9			3.3			3.0			3.0		
<i>Composite samples per class and grade</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>
	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>
<i>Composite samples, n = 70</i>	5	6	5	6	5	1	12	7	5	23	18	11
	4	3	-	1	3	1	3	2	1	8	8	2
<b>Bühler extraction, %</b>	72.0	72.5	72.7	72.9	73.3	72.6	73.5	74.5	75.0	73.0	73.5	73.7
	72.6	72.4	-	72.9	72.6	69.9	73.8	73.6	71.8	73.1	72.8	70.9
<b>Flour colour, KJ (wet)</b>	-2.6	-2.9	-3.1	-2.5	-2.7	-2.5	-3.0	-3.0	-3.3	-2.8	-2.9	-3.1
	-3.1	-3.2	-	-2.4	-2.5	-1.8	-3.3	-2.7	-2.7	-3.1	-2.8	-2.3
<b>Colour, Minolta CM5 (dry)</b>												
<b>L*</b>	93.95	94.15	94.18	93.67	93.89	94.00	93.96	93.98	94.18	93.88	94.01	94.16
	94.22	94.28	-	93.88	93.69	93.11	94.02	93.91	94.12	94.10	93.97	93.62
<b>b*</b>	9.19	9.14	9.67	9.66	9.52	9.79	9.37	9.47	9.35	9.41	9.37	9.54
	10.02	10.07	-	9.92	9.36	10.21	9.78	9.23	9.08	9.92	9.59	9.65
<b>Flour protein (12% mb), %</b>	11.3	10.5	9.6	11.9	10.5	9.7	11.9	10.5	9.7	11.8	10.5	9.7
	8.8	8.9	-	9.0	12.5	13.7	9.1	11.3	12.1	8.9	10.9	12.9

**Table 5: Regional quality weighted averages (continue)**

	<i>Winter rainfall area (Western Cape)</i>			<i>Summer rainfall and Irrigation area (Free State)</i>			<i>Irrigation areas</i>			<i>RSA average</i>		
<b>Regions</b>	1 - 6			21 - 28			10 - 11, 12 - 20, 29 - 33, 34, 35, 36			All		
<i>Composite samples per class and grade</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>
	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>
<i>Composite samples, n = 70</i>	5	6	5	6	5	1	12	7	5	23	18	11
	4	3	-	1	3	1	3	2	1	8	8	2
<b>Wet gluten (14% mb), %</b>	33.0	30.0	28.6	32.1	28.5	25.8	32.6	28.9	27.0	34.1	29.2	27.6
	22.8	24.9	-	21.8	33.4	36.8	24.1	29.9	36.3	23.2	29.3	36.6
<b>Dry gluten (14% mb), %</b>	11.7	10.2	10.6	11.6	10.1	9.2	11.4	10.1	9.3	12.1	10.1	9.9
	8.1	8.9	-	7.6	11.6	12.8	8.3	10.5	12.9	8.1	10.3	12.9
<b>Gluten Index</b>	80	84	83	89	88	93	88	87	81	91	86	83
	78	94	-	96	90	88	85	85	97	83	90	93
<b>Farinogram: Water absorption (14% mb), %</b>	61.9	61.2	59.3	62.0	59.8	59.0	61.3	59.7	58.3	61.6	60.2	58.8
	57.5	57.3	-	60.7	61.5	60.9	56.6	61.0	59.9	57.6	59.8	60.4
<b>Farinogram: Development time, min</b>	4.6	4.3	4.0	7.0	5.2	4.7	7.0	5.6	4.2	6.5	5.1	4.2
	2.2	2.3	-	1.5	7.7	6.2	4.3	5.3	5.2	2.9	5.1	5.7
<b>Alveogram: Strength (S), cm<sup>2</sup></b>	39.3	34.2	29.5	47.6	38.2	35.9	45.6	35.4	29.5	44.8	35.8	30.1
	26.8	27.7	-	33.9	53.7	51.1	26.2	37.1	40.2	27.5	39.8	45.7
<b>Alveogram: P/L</b>	0.85	0.79	0.79	0.90	0.80	0.84	0.63	0.66	0.55	0.75	0.74	0.69
	0.84	0.78	-	2.13	0.71	0.59	0.61	0.53	0.35	0.92	0.69	0.47
<b>Extensogram: Strength, cm<sup>2</sup></b>	88	74	66	120	92	78	114	89	74	110	85	71
	64	69	-	88	137	139	76	88	118	72	99	129
<b>Mixogram peak time, min</b>	2.6	2.5	2.5	2.9	3.0	3.3	2.9	2.8	2.7	2.8	2.8	2.7
	2.7	3.1	-	3.8	3.1	3.3	3.1	2.5	2.5	3.0	3.0	2.9
<b>Relationship between protein and bread volume</b>	VG	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX
	EX	EX	-	VG	VG	EX	EX	EX	EX	EX	EX	EX

EX = Excellent

VG = Very Good