

## Table 5: Regional quality weighted averages

	Winter rainfall area (Western Cape)			Summer rainfall and Irrigation area (Free State)			Irrigation areas			RSA average		
<b>Number of samples per area</b>	<b>101</b>			<b>44</b>			<b>107</b>			<b>252</b>		
<b>Regions</b>	<b>2-6</b>			<b>21 - 28</b>			<b>10 - 11, 12 - 20, 32, 33, 34, 35, 36</b>			<b>All</b>		
Hectolitre mass dirty, kg/hl	79.7			80.8			82.6			81.1		
1000 kernel mass (13% mb), g	36.6			34.8			37.9			36.8		
Falling number, sec	383			387			405			393		
Screenings (1.8 mm sieve), %	1.86			1.73			1.43			1.71		
Protein (12% mb), % (ww)	12.8			13.2			12.6			12.8		
Mixogram peak time, min (Quadromat Junior)	2.6			2.7			2.8			2.7		
<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>	<i>5</i>	<i>4</i>	<i>3</i>	<i>7</i>	<i>6</i>	<i>2</i>	<i>13</i>	<i>9</i>	<i>4</i>	<i>25</i>	<i>19</i>	<i>9</i>
	<i>3</i>	<i>5</i>	<i>-</i>	<i>2</i>	<i>1</i>	<i>-</i>	<i>3</i>	<i>3</i>	<i>-</i>	<i>8</i>	<i>9</i>	<i>-</i>
<b>Bühler extraction, %</b>	71.9	72.0	71.3	73.3	74.0	74.0	74.6	74.6	74.3	73.7	73.8	73.2
	72.4	71.5	-	73.1	74.3	-	73.5	73.2	-	73.0	72.4	-
<b>Flour colour, KJ (wet)</b>	-3.7	-3.6	-3.5	-3.4	-3.5	-3.2	-3.6	-3.6	-3.3	-3.6	-3.6	-3.3
	-3.7	-3.5	-	-3.2	-3.6	-	-3.4	-3.1	-	-3.5	-3.4	-
<b>Colour, Minolta CM5 (dry)</b>												
<b>L*</b>	94.11	94.07	94.03	93.52	93.54	93.40	93.81	93.85	93.56	93.79	93.80	93.68
	94.11	94.07	-	93.24	93.59	-	93.76	93.58	-	93.76	93.85	-
<b>b*</b>	10.49	10.09	10.17	9.91	9.76	9.84	9.35	9.41	9.57	9.73	9.66	9.83
	9.78	10.36	-	9.81	9.25	-	9.65	9.36	-	9.74	9.90	-
<b>Ash (db), %</b>	0.61	0.63	0.64	0.63	0.64	0.68	0.64	0.67	0.68	0.63	0.65	0.66
	0.62	0.64	-	0.62	0.69	-	0.67	0.71	-	0.64	0.67	-
<b>Flour protein (12% mb), %</b>	12.7	11.1	11.5	12.9	11.8	11.8	12.1	10.8	10.0	12.4	11.2	10.9
	11.4	12.0	-	13.0	11.8	-	11.6	12.2	-	11.9	12.0	-

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

	Winter rainfall area (Western Cape)			Summer rainfall and Irrigation area (Free State)			Irrigation areas			RSA average		
Regions	2-6			21 - 28			10 - 11, 12 - 20, 32, 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	6	2	13	9	4	25	19	9
	3	5	-	2	1	-	3	3	-	8	9	-
Wet gluten (14% mb), %	34.7	29.6	30.4	35.1	31.9	32.6	32.8	29.2	26.7	33.8	30.1	29.3
	31.2	32.7	-	35.1	32.8	-	31.0	31.8	-	32.2	32.4	-
Dry gluten (14% mb), %	12.4	10.4	10.5	12.2	11.0	11.0	11.3	9.9	8.5	11.8	10.4	9.7
	10.4	11.3	-	12.5	10.8	-	11.0	11.0	-	11.2	11.1	-
Gluten Index	96	97	97	94	95	92	95	95	96	95	95	95
	94	95	-	94	84	-	96	97	-	95	94	-
Farinogram: Water absorption (14% mb), %	61.0	60.1	59.8	62.8	61.9	59.3	60.8	60.3	59.6	61.4	60.8	59.6
	59.4	60.4	-	63.1	59.6	-	60.1	60.9	-	60.6	60.5	-
Farinogram: Development time, min	6.3	5.2	6.2	6.3	5.5	4.9	6.0	5.2	5.6	6.2	5.3	5.7
	5.1	5.5	-	8.0	4.4	-	4.9	7.0	-	5.8	5.9	-
Farinogram: Stability, min	10.3	8.3	9.0	8.3	7.4	5.6	7.8	6.6	8.6	8.4	7.2	8.1
	8.4	8.0	-	9.8	4.4	-	6.6	10.8	-	8.1	8.5	-
Alveogram: Strength (S), cm <sup>2</sup>	39.5	37.2	34.9	44.3	38.0	33.0	40.8	33.4	33.0	41.5	35.6	33.6
	35.5	35.2	-	53.9	32.5	-	34.8	44.6	-	39.8	38.1	-
Alveogram: P/L	0.61	0.63	0.70	0.87	0.87	0.50	0.68	0.86	1.06	0.72	0.82	0.81
	0.62	0.63	-	0.73	0.41	-	0.62	0.94	-	0.65	0.71	-
Extensogram: Strength, cm <sup>2</sup>	111	101	113	113	95	101	115	89	90	114	94	100
	120	100	-	124	85	-	96	121	-	111	105	-
Mixogram peak time, min	2.4	2.6	2.6	2.4	2.5	2.4	2.6	2.6	2.9	2.5	2.6	2.7
	2.6	2.4	-	2.6	2.0	-	2.4	3.1	-	2.5	2.6	-
Relationship between protein and bread volume	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX
	VG	EX	-	EX	EX	-	EX	EX	-	VG	EX	-

EX = Excellent

VG = Very Good