

Table 5: Regional quality weighted averages

	Winter rainfall area (Western Cape)			Summer rainfall and Irrigation area (Free State)			Irrigation areas (All other provinces)			RSA Average		
<b>Number of samples per area</b>	165			60			97			322		
<b>Regions</b>	1 - 6			21 - 28			10 - 11, 12 - 20, 29 - 36			All		
<b>Hectolitre mass dirty, kg/hl</b>	78.5			80.8			83.0			80.3		
<b>1000 kernel mass (13% mb), g</b>	38.4			37.4			39.1			38.4		
<b>Falling number, sec</b>	378			369			359			371		
<b>Screenings (1.8 mm sieve), %</b>	1.67			1.86			1.04			1.52		
<b>Protein (12% mb), % (WWF)</b>	10.8			12.6			12.3			11.6		
<b>Mixogram peak time, min (Quadromat Junior)</b>	3.2			3.3			3.3			3.2		
<b>Composite samples per class and grade</b>	<i>Super</i>	<i>Gr1</i>	<i>Gr2</i>	<i>Super</i>	<i>Gr1</i>	<i>Gr2</i>	<i>Super</i>	<i>Gr1</i>	<i>Gr2</i>	<i>Super</i>	<i>Gr1</i>	<i>Gr2</i>
	<i>Gr3</i>	<i>COW</i>	-	<i>Gr3</i>	<i>COW</i>	-	<i>Gr3</i>	<i>COW</i>	-	<i>Gr3</i>	<i>COW</i>	-
<b>Composite samples, n = 69</b>	4	5	5	6	4	4	8	5	5	18	14	14
	5	4	-	3	1	-	4	2	-	12	7	-
<b>Bühler extraction, %</b>	71.5	72.3	72.8	73.4	73.0	73.1	73.5	74.2	73.9	73.0	73.2	73.3
	72.6	72.6	-	73.6	74.3	-	74.8	73.7	-	73.6	73.1	-
<b>Flour colour, Konica Minolta CM-5 (dry)</b>												
<b>L*</b>	93.51	93.81	93.86	93.43	93.38	93.52	93.46	93.63	93.74	93.46	93.62	93.72
	94.01	93.91	-	93.45	93.49	-	93.74	93.54	-	93.78	93.74	-
<b>a*</b>	0.48	0.45	0.46	0.50	0.51	0.50	0.52	0.54	0.48	0.50	0.50	0.48
	0.43	0.42	-	0.49	0.52	-	0.49	0.51	-	0.46	0.46	-
<b>b*</b>	8.99	9.36	9.40	10.47	10.67	10.35	10.03	10.06	10.46	9.94	9.98	10.05
	9.36	9.23	-	10.72	10.71	-	10.23	10.21	-	9.99	9.72	-
<b>Ash (db), %</b>	0.71	0.57	0.57	0.59	0.60	0.59	0.57	0.63	0.57	0.61	0.60	0.57
	0.58	0.56	-	0.61	0.63	-	0.61	0.59	-	0.60	0.58	-

WWF = Whole Wheat Flour

Table 5: Regional quality weighted averages (continue)

Regions	Winter rainfall area (Western Cape)			Summer rainfall and Irrigation area (Free State)			Irrigation areas (All other provinces)			RSA Average		
	1 - 6			21 - 28			10 - 11, 12 - 20, 29 - 36			All		
Composite samples per class and grade	Super	Gr1	Gr2	Super	Gr1	Gr2	Super	Gr1	Gr2	Super	Gr1	Gr2
	Gr3	COW	-	Gr3	COW	-	Gr3	COW	-	Gr3	COW	-
Composite samples, n = 69	4	5	5	6	4	4	8	5	5	18	14	14
	5	4	-	3	1	-	4	2	-	12	7	-
Flour protein (12% mb), %	12.0	10.7	10.0	12.6	10.9	10.2	12.3	11.0	10.1	12.3	10.9	10.1
	9.0	9.6	-	10.7	11.1	-	9.7	10.8	-	9.6	10.2	-
Wet gluten (14% mb), %	33.6	28.9	25.6	35.0	28.3	27.7	33.7	30.1	27.3	34.1	29.2	26.8
	22.7	24.8	-	28.6	30.7	-	25.5	29.5	-	25.1	27.0	-
Dry gluten (14% mb), %	11.1	9.5	8.5	11.4	9.2	9.0	11.3	9.7	8.8	11.3	9.5	8.7
	7.4	8.2	-	9.3	9.7	-	8.2	9.6	-	8.2	8.8	-
Gluten Index	84	90	94	87	91	93	92	94	95	89	92	94
	94	95	-	93	89	-	93	94	-	94	94	-
Farinogram: Water absorption (14% mb), %	60.9	58.6	56.5	62.7	60.7	60.0	61.9	60.7	61.0	61.9	60.0	59.1
	56.1	56.7	-	59.0	58.9	-	60.1	59.1	-	58.1	57.7	-
Farinogram: Development time, min	5.2	4.6	4.1	6.5	6.0	5.2	6.6	4.9	5.7	6.2	5.1	5.0
	2.3	4.2	-	5.6	5.4	-	5.2	5.3	-	4.1	4.7	-
Farinogram: Stability, min	12.3	10.5	10.6	11.2	9.7	8.4	12.1	10.4	10.7	11.8	10.2	10.0
	8.6	9.6	-	10.5	8.6	-	8.3	8.7	-	9.0	9.2	-
Alveogram: Strength (S), cm <sup>2</sup>	41.6	37.0	33.8	45.2	39.2	35.4	49.2	40.8	41.3	46.2	39.0	36.9
	28.8	31.2	-	32.9	36.9	-	36.3	38.2	-	32.3	34.0	-
Alveogram: P/L	0.55	0.53	0.50	0.60	0.75	0.78	0.65	0.72	0.92	0.61	0.66	0.73
	0.61	0.51	-	0.50	0.38	-	0.81	0.58	-	0.65	0.51	-
Extensogram: Strength, cm <sup>2</sup>	116	106	98	110	108	98	134	101	109	122	105	102
	84	92	-	90	-	-	96	109	-	89	99	-
Mixogram peak time, min	2.4	2.8	3.1	2.5	2.9	2.9	2.9	2.9	2.8	2.7	2.9	2.9
	3.1	3.2	-	2.9	3.2	-	3.1	3.0	-	3.0	3.1	-