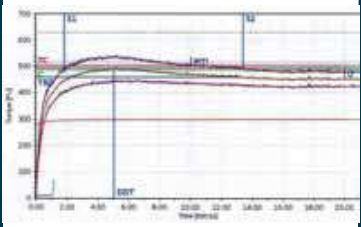
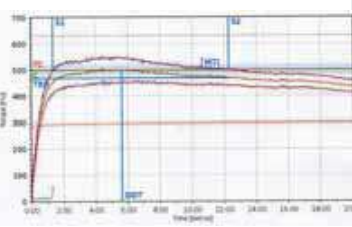
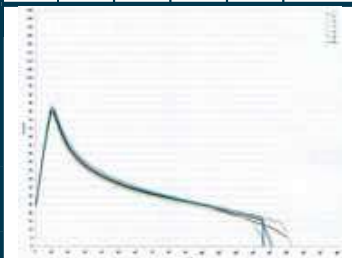
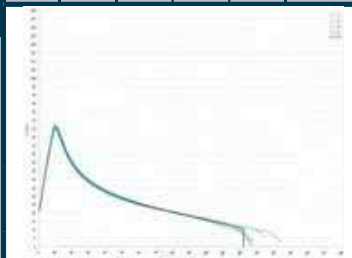
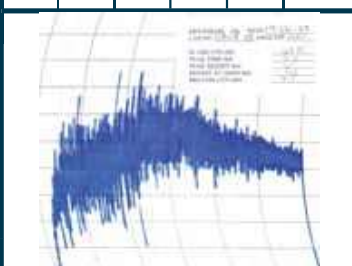
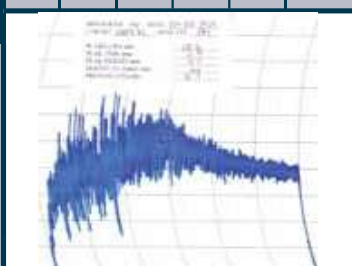


RSA Wheat Crop Quality Summary

RSA Crop Quality 2022/23 and 2024/25 Seasons

Country of origin	RSA Crop Average 2022/23						RSA Crop Average 2024/25					
Class and Grade bread wheat	Super	Gr1	Gr2	Gr3	COW	Average	Super	Gr1	Gr2	Gr3	COW	Average
	103	55	47	35	95	335	69	57	43	57	96	322
WHEAT												
GRADING												
Protein (12% mb), %	13.2	12.0	11.1	10.3	12.2	12.1	13.4	11.9	11.0	10.1	11.2	11.6
Moisture, %	11.2	11.2	11.3	11.5	11.2	11.3	10.2	10.4	10.7	10.6	10.7	10.5
Falling number, sec	370	372	378	374	331	361	377	368	371	363	373	371
1000 Kernel mass (13% mb), g	36.8	37.4	38.6	39.2	35.4	37.0	38.5	38.7	39.2	39.1	37.4	38.4
Hlm (dirty), kg/hl	80.3	80.4	80.7	79.5	78.7	79.8	82.2	81.5	80.4	79.3	78.7	80.3
Screenings (<1.8 mm sieve), %	1.26	1.21	1.32	1.41	2.72	1.69	1.01	0.94	1.24	1.25	2.51	1.52
Gravel, stones, turf and glass, %	0.00	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.00	0.02	0.01	0.01
Foreign matter, %	0.11	0.11	0.11	0.12	0.21	0.14	0.05	0.05	0.05	0.07	0.15	0.08
Other grain & unthreshed ears, %	0.33	0.36	0.38	0.39	0.78	0.48	0.17	0.27	0.29	0.35	0.94	0.47
Heat damaged kernels, %	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.04	0.02
Immature kernels, %	0.06	0.03	0.04	0.03	0.03	0.04	0.10	0.06	0.05	0.02	0.04	0.05
Insect damaged kernels, %	0.45	0.48	0.55	0.58	0.66	0.54	0.16	0.19	0.27	0.31	0.69	0.36
Sprouted kernels, %	0.11	0.07	0.04	0.03	0.42	0.17	0.02	0.02	0.01	0.01	0.06	0.03
Total damaged kernels, %	0.62	0.58	0.64	0.63	1.11	0.76	0.29	0.27	0.33	0.34	0.82	0.46
Combined deviations, %	2.32	2.27	2.45	2.55	4.82	3.06	1.53	1.54	1.90	2.02	4.44	2.54
Heavily frost damaged kernels, %	0.00	0.00	0.01	0.00	0.11	0.03	0.02	0.01	0.00	0.00	0.15	0.05
Field fungi, %	0.33	0.33	0.16	0.14	0.59	0.36	0.34	0.31	0.32	0.37	0.53	0.39
Storage fungi, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ergot, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Poisonous seeds (<i>Crotalaria spp.</i> , etc.)	0	0	0	0	0	0	0	0	0	0	0	0
Poisonous seeds (<i>Argemone mexicana</i> , etc.)	0	0	0	0	0	0	0	0	0	0	0	0
Live insects	No	No	No	No	No	No	No	No	No	No	No	No
Undesirable odour	No	No	No	No	No	No	No	No	No	No	No	No
	Super	Gr1	Gr2	Gr3	COW	Average	Super	Gr1	Gr2	Gr3	COW	Average
No. of samples	19	17	13	11	5	65	18	14	14	12	7	65
Bühler Extraction, %	74.4	73.9	73.7	73.1	73.3	73.8	73.0	73.2	73.3	73.6	73.1	73.2
FLOUR												
Colour, Konica Minolta CM5 (dry)												
L*	93.6	93.69	93.67	93.76	93.8	93.68	93.46	93.62	93.72	93.78	93.74	93.64
a*	0.51	0.48	0.47	0.44	0.48	0.48	0.50	0.50	0.48	0.46	0.46	0.49
b*	10.02	10.26	10.58	9.99	10.23	10.20	9.94	9.98	10.05	9.99	9.72	9.96
Ash (db), %	0.59	0.60	0.60	0.59	0.59	0.59	0.61	0.60	0.57	0.60	0.58	0.59
Protein (12% mb), %	12.2	11.1	10.2	9.6	10.9	11.0	12.3	10.9	10.1	9.6	10.2	10.8
Wet Gluten (14% mb), %	32.9	29.6	27.5	25.6	29.7	29.5	34.1	29.2	26.8	25.1	27.0	29.0
Dry Gluten (14% mb), %	11.1	9.9	9.1	8.2	9.9	9.8	11.3	9.5	8.7	8.2	8.8	9.5
Gluten Index	95	96	96	97	96	96	89	92	94	94	94	92
100 g BAKING TEST												
Baking water absorption, %	62.4	61.0	60.0	59.7	60.9	61.0	62.6	60.8	59.9	59.6	60.0	60.8
Loaf volume, cm³	1034	972	916	898	963	966	1112	1007	969	957	964	1014
FARINOGRAM												
Water absorption (14% mb), %	60.3	59.7	58.7	58.3	59.2	59.4	61.9	60.0	59.1	58.1	57.7	59.7
Development time, min	6.5	6.0	4.3	4.2	4.8	5.4	6.2	5.1	5.0	4.1	4.7	5.2
Stability, mm	15.8	12.9	9.7	10.3	12.4	12.6	11.8	10.2	10.0	9.0	9.2	10.3
Mixing tolerance index, BU	25	31	37	36	30	31	34	38	41	42	43	39
												

Country of origin	RSA Crop Average 2022/23						RSA Crop Average 2024/25					
Class and Grade bread wheat	Super	Gr1	Gr2	Gr3	COW	Average	Super	Gr1	Gr2	Gr3	COW	Average
No. of samples	19	17	13	11	5	65	18	14	14	12	7	65
ALVEOGRAM												
Strength (S), cm²	48.0	42.7	35.6	35.4	40.6	41.4	46.2	39	36.9	32.3	34.0	38.8
Stability (P), mm	78	82	78	84	77	80	82	80	81	72	67	78
Distensibility (L), mm	152	130	119	101	137	130	143	123	117	115	134	127
P/L	0.52	0.66	0.72	0.86	0.60	0.66	0.61	0.66	0.73	0.65	0.51	0.64
												
EXTENSOGRAM												
Strength, cm²	134	108	91	85	113	109	122	105	102	89	99	106
Max. height, BU	454	407	371	384	419	411	406	394	409	374	399	397
Extensibility, mm	218	194	178	159	200	192	217	195	182	174	181	194
												
MIXOGRAM												
Peak time, min	3.1	3.2	3.0	3.4	3.2	3.1	2.7	2.9	2.9	3	3.1	2.9
Water absorption (14% mb), %	62.4	61	60	59.5	60.9	60.9	62.6	60.8	59.9	59.6	60	60.8
												
MYCOTOXINS												
Aflatoxin B ₁ (µg/kg)	ND						ND					
Aflatoxin B ₂ (µg/kg)	ND						ND					
Aflatoxin G ₁ (µg/kg)	ND						ND					
Aflatoxin G ₂ (µg/kg)	ND						ND					
Fumonisin B ₁ (µg/kg)	ND						ND					
Fumonisin B ₂ (µg/kg)	ND						ND					
Fumonisin B ₃ (µg/kg)	ND						ND					
Deoxynivalenol (µg/kg) [max. value]	757 [6 463]						40 [408]					
15-ADON (µg/kg) [max. value]	46 [301]						ND					
Ochratoxin A (µg/kg)	ND						ND					
Zearalenone (µg/kg) [max. value]	1 [36]						ND					
HT-2 (µg/kg)	ND						ND					
T-2 Toxin (µg/kg)	ND						ND					
No. of samples	40						40					