

South African

REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(11) Vaalharts Region				(14) North-West Southern Region				(18) North-West Central Region (Ventersdorp)			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Grading:												
(a) Wet pods, %	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.61	0.32	0.90	0.41	0.18	-	-	-	0.66	0.56	0.76	0.14
(c) Other grain, %	0.04	0.00	0.08	0.06	0.13	-	-	-	0.14	0.00	0.28	0.20
(d) Sunflower seed, %	0.00	0.00	0.00	0.00	0.00	-	-	-	0.03	0.00	0.06	0.04
(e) Stones, %	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00
(f) Sclerotia, %	0.00	0.00	0.00	0.00	0.00	-	-	-	0.03	0.00	0.06	0.04
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	0.64	0.50	0.78	0.20	0.16	-	-	-	0.66	0.54	0.77	0.16
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	6.30	2.44	10.16	5.46	6.00	-	-	-	3.29	2.02	4.56	1.80
(i) Soiled Soybeans, %	0.00	0.00	0.00	0.00	0.00	-	-	-	0.00	0.00	0.00	0.00
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.61	0.32	0.90	0.41	0.18	-	-	-	0.69	0.62	0.76	0.10
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0.0	0	-	-	-	0	0	0	0.0
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	0	0	0	0.0	0	-	-	-	0	0	0	0.0
Number of samples	2				1				2			
Nutritional analysis:												
Moisture, % (17 hr, 103 °C)	7.1	6.9	7.2	0.21	7.5	-	-	-	6.7	6.5	6.8	0.21
Crude protein, % (db)	39.82	39.12	40.52	0.99	41.60	-	-	-	36.01	34.36	37.65	2.33
Crude fat, % (db)	20.1	20.0	20.2	0.14	17.4	-	-	-	20.8	19.6	21.9	1.63
Crude Fibre, % (db)	5.8	5.6	5.9	0.21	7.4	-	-	-	7.1	6.2	7.9	1.20
Ash, % (db)	4.90	4.83	4.96	0.09	4.11	-	-	-	4.72	4.42	5.01	0.42
Number of samples	2				1				2			

South African REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(20) North-West Eastern Region				(21) Free State North-Western Region (Viljoenskroon)				(22) Free State North-Western Region (Bothaville)			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<u>Grading:</u>												
(a) Wet pods, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.26	0.26	0.26	0.00	2.41	0.45	4.35	1.73	0.53	0.21	0.85	0.29
(c) Other grain, %	0.04	0.00	0.08	0.06	0.06	0.00	0.14	0.08	0.24	0.00	0.40	0.20
(d) Sunflower seed, %	0.05	0.00	0.10	0.07	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.05
(e) Stones, %	0.04	0.00	0.08	0.06	0.08	0.00	0.30	0.13	0.00	0.00	0.00	0.00
(f) Sclerotia, %	0.00	0.00	0.00	0.00	0.10	0.00	0.40	0.17	0.02	0.00	0.06	0.03
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	0.70	0.40	1.00	0.42	3.35	0.77	5.00	1.67	0.85	0.54	1.12	0.26
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	5.70	5.00	6.40	0.99	5.01	1.80	10.24	3.78	6.04	4.00	8.76	2.10
(i) Soiled Soybeans, %	1.10	0.00	2.20	1.56	0.00	0.00	0.00	0.00	0.30	0.00	1.20	0.60
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.26	0.26	0.26	0.00	2.51	0.45	4.45	1.83	0.55	0.21	0.85	0.28
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0.00	2	0	10	4.00	2	0	5	2.45
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Number of samples	2				5				4			
<u>Nutritional analysis:</u>												
Moisture, % (17 hr, 103 °C)	7.8	7.7	7.8	0.07	6.9	6.2	8.5	0.90	7.0	6.9	7.1	0.10
Crude protein, % (db)	40.82	39.77	41.87	1.48	38.01	33.81	41.46	3.14	39.44	38.56	39.83	0.60
Crude fat, % (db)	20.2	19.6	20.7	0.78	20.2	18.8	21.8	1.32	19.3	18.9	19.6	0.36
Crude Fibre, % (db)	7.1	6.7	7.4	0.49	7.4	6.5	8.1	0.65	6.3	6.0	6.5	0.22
Ash, % (db)	4.94	4.79	5.08	0.21	4.74	4.27	5.58	0.52	4.49	4.40	4.57	0.07
Number of samples	2				5				4			

South African

REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(23) Free State North-Western Region (Bultfontein)				(25) Free State South-Western Region				(26) Free State South-Eastern Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Grading:												
(a) Wet pods, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	2.38	0.16	9.00	3.72	0.48	0.30	0.72	0.22	1.53	0.10	4.15	1.49
(c) Other grain, %	1.69	0.00	8.00	3.53	0.10	0.10	0.10	0.00	0.72	0.00	3.42	1.16
(d) Sunflower seed, %	0.02	0.00	0.06	0.03	0.00	0.00	0.00	0.00	0.12	0.00	1.28	0.38
(e) Stones, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.16	0.05
(f) Sclerotia, %	0.06	0.00	0.10	0.05	0.04	0.00	0.06	0.03	0.06	0.00	0.10	0.04
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	2.18	0.70	5.00	1.68	0.70	0.50	0.88	0.19	1.30	0.40	2.65	0.80
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	3.82	3.10	5.40	0.91	1.38	1.10	1.68	0.29	3.72	1.80	6.80	1.80
(i) Soiled Soybeans, %	0.36	0.00	1.40	0.61	0.00	0.00	0.00	0.00	1.27	0.00	10.44	3.09
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	2.44	0.26	9.00	3.69	0.52	0.36	0.78	0.23	1.60	0.10	4.15	1.48
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	5	0	10	3.70	0	0	0	0.00	2	0	15	4.62
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Number of samples	5				3				11			
Nutritional analysis:												
Moisture, % (17 hr, 103 °C)	6.7	6.4	7.0	0.24	7.4	7.3	7.5	0.12	7.6	6.8	8.9	0.81
Crude protein, % (db)	39.11	34.93	41.41	2.47	41.31	41.08	41.48	0.21	38.45	33.93	42.40	2.44
Crude fat, % (db)	19.9	19.0	20.9	0.73	17.7	17.5	17.8	0.15	19.4	18.6	20.6	0.55
Crude Fibre, % (db)	6.9	6.2	8.8	1.07	6.5	6.5	6.5	0.00	6.8	6.2	7.4	0.33
Ash, % (db)	4.59	4.27	4.78	0.19	4.18	4.14	4.25	0.06	4.67	4.52	4.81	0.09
Number of samples	5				3				11			

South African REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(27) Free State Northern Region				(28) Free State Eastern Region				(29) Mpumalanga Southern Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<u>Grading:</u>												
(a) Wet pods, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.26	0.16	0.40	0.11	0.56	0.00	4.78	0.97	0.60	0.15	1.58	0.43
(c) Other grain, %	0.00	0.00	0.00	0.00	0.06	0.00	0.86	0.16	0.07	0.00	0.34	0.11
(d) Sunflower seed, %	0.03	0.00	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(e) Stones, %	0.00	0.00	0.00	0.00	0.01	0.00	0.40	0.07	0.03	0.00	0.20	0.06
(f) Sclerotia, %	0.00	0.00	0.00	0.00	0.03	0.00	0.12	0.05	0.05	0.00	0.16	0.06
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	3.16	1.32	4.00	1.24	1.03	0.00	2.82	0.84	1.52	0.47	3.50	0.87
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	2.82	1.60	4.00	1.09	2.78	0.80	7.10	1.19	3.73	1.37	5.58	1.36
(i) Soiled Soybeans, %	0.10	0.00	0.24	0.12	1.72	0.00	14.54	3.35	0.49	0.00	1.40	0.54
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.26	0.16	0.40	0.11	0.59	0.00	4.78	0.97	0.64	0.15	1.68	0.44
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	0	0	0	0.00	1	0	26	4.83	0	0	0	0.00
Number of samples	4				29				11			
<u>Nutritional analysis:</u>												
Moisture, % (17 hr, 103 °C)	7.8	7.7	7.9	0.08	7.8	6.8	9.1	0.52	7.6	7.0	8.6	0.52
Crude protein, % (db)	41.89	40.39	42.43	1.00	40.33	37.84	42.45	1.32	40.89	39.44	42.77	1.01
Crude fat, % (db)	18.7	17.8	19.3	0.65	18.9	16.7	21.5	1.23	19.0	17.5	20.1	0.68
Crude Fibre, % (db)	7.2	6.2	9.1	1.32	7.0	5.9	8.7	0.79	6.9	6.2	7.7	0.41
Ash, % (db)	4.70	4.50	4.82	0.15	4.52	4.28	4.93	0.16	4.45	4.31	4.53	0.07
Number of samples	4				29				11			

South African REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(30) Mpumalanga Eastern Region				(31) Mpumalanga Central Region				(32) Mpumalanga Western Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<u>Grading:</u>												
(a) Wet pods, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.71	0.13	1.80	0.48	0.49	0.12	1.08	0.36	0.47	0.10	0.95	0.31
(c) Other grain, %	0.03	0.00	0.43	0.08	0.11	0.00	0.60	0.21	0.06	0.00	0.14	0.08
(d) Sunflower seed, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(e) Stones, %	0.04	0.00	0.40	0.09	0.02	0.00	0.10	0.04	0.00	0.00	0.00	0.00
(f) Sclerotia, %	0.06	0.00	0.30	0.07	0.05	0.00	0.20	0.08	0.03	0.00	0.10	0.04
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	1.19	0.23	2.60	0.61	0.83	0.10	2.50	0.88	0.51	0.20	0.97	0.29
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	3.38	1.00	6.26	1.40	5.47	0.90	11.30	3.60	2.97	1.40	4.80	1.65
(i) Soiled Soybeans, %	1.50	0.00	12.74	2.33	0.57	0.00	3.00	0.89	0.44	0.00	1.20	0.46
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.77	0.13	1.90	0.50	0.54	0.12	1.08	0.34	0.50	0.10	1.00	0.32
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	0	0	10	1.83	1	0	10	3.02	0	0	0	0.00
Number of samples	30				11				5			
<u>Nutritional analysis:</u>												
Moisture, % (17 hr, 103 °C)	7.5	6.7	9.4	0.63	7.3	6.6	8.2	0.56	7.6	6.9	8.7	0.69
Crude protein, % (db)	40.09	37.54	42.07	1.39	39.06	35.96	41.99	1.74	40.23	38.31	41.69	1.24
Crude fat, % (db)	19.6	18.2	21.0	0.74	19.8	17.7	23.1	1.61	18.9	18.3	19.4	0.43
Crude Fibre, % (db)	6.5	5.6	7.9	0.63	6.9	5.3	7.9	1.00	7.3	6.8	7.6	0.36
Ash, % (db)	4.50	4.21	4.73	0.13	4.44	4.26	4.60	0.11	4.58	4.39	4.81	0.17
Number of samples	30				11				5			

South African REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(33) Mpumalanga Northern Region				(34) Gauteng Region				(35) Limpopo Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<u>Grading:</u>												
(a) Wet pods, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.69	0.20	1.58	0.52	0.74	0.06	2.50	1.05	0.12	-	-	-
(c) Other grain, %	0.02	0.00	0.16	0.05	0.46	0.00	2.20	0.98	0.00	-	-	-
(d) Sunflower seed, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-
(e) Stones, %	0.12	0.00	0.90	0.29	0.00	0.00	0.00	0.00	0.00	-	-	-
(f) Sclerotia, %	0.09	0.00	0.26	0.08	0.02	0.00	0.08	0.04	0.00	-	-	-
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	0.62	0.20	1.10	0.33	0.85	0.10	2.10	0.96	0.10	-	-	-
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	3.09	1.80	4.82	0.87	4.19	1.66	9.00	2.86	6.00	-	-	-
(i) Soiled Soybeans, %	3.18	1.16	12.36	3.64	0.04	0.00	0.18	0.08	10.00	-	-	-
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.78	0.30	1.68	0.50	0.76	0.06	2.50	1.05	0.12	-	-	-
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0.00	0	0	0	0.00	0	-	-	-
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	0	0	0	0.00	0	0	0	0.00	0	-	-	-
Number of samples	9				5				1			
<u>Nutritional analysis:</u>												
Moisture, % (17 hr, 103 °C)	7.9	7.3	9.3	0.58	7.6	7.2	8.2	0.46	7.3	-	-	-
Crude protein, % (db)	40.00	35.23	41.18	1.84	40.31	38.31	42.00	1.45	41.25	-	-	-
Crude fat, % (db)	19.7	18.8	21.0	0.63	19.2	18.3	20.0	0.74	20.6	-	-	-
Crude Fibre, % (db)	6.6	6.1	7.0	0.30	6.9	6.5	7.3	0.34	6.4	-	-	-
Ash, % (db)	4.56	4.40	5.15	0.23	4.53	4.42	4.59	0.07	4.99	-	-	-
Number of samples	9				5				1			

South African REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(36) KwaZulu-Natal Region			
	ave	min	max	stdev
Grading:				
(a) Wet pods, %	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains and sunflower seeds: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.46	0.06	2.42	0.70
(c) Other grain, %	0.05	0.00	0.23	0.09
(d) Sunflower seed, %	0.00	0.00	0.00	0.00
(e) Stones, %	0.00	0.00	0.00	0.00
(f) Sclerotia, %	0.01	0.00	0.06	0.03
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	0.54	0.14	1.43	0.35
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	5.85	2.08	11.66	3.29
(i) Soiled Soybeans, %	4.91	1.40	12.40	3.22
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.47	0.06	2.48	0.72
Poisonous seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0.00
Poisonous seeds (<i>Argemone mexicana L.</i> , <i>Convolvulus sp.</i> , <i>Ipomoea purpurea Roth.</i> , <i>Lolium temulentum</i> , <i>Xanthium sp.</i>)	3	0	20	6.75
Number of samples	10			
Nutritional analysis:				
Moisture, % (17 hr, 103 °C)	7.7	7.2	8.2	0.32
Crude protein, % (db)	40.63	39.53	42.16	0.84
Crude fat, % (db)	21.5	20.2	23.2	0.88
Crude Fibre, % (db)	6.9	6.1	7.6	0.49
Ash, % (db)	4.62	4.44	4.84	0.13
Number of samples	10			