

## SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(12) North-West Western Region				(13) North-West Central Region (Sannieshof)				(14) North-West Southern Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<b>Grading:</b>												
(a) Wet pods, %	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), %	0.50	-	-	-	0.96	-	-	-	0.41	0.10	1.02	0.53
(c) Other grain, %	0.00	-	-	-	0.00	-	-	-	0.00	0.00	0.00	0.00
(d) Sunflower seed, %	0.00	-	-	-	0.08	-	-	-	0.00	0.00	0.00	0.00
(e) Stones, %	0.00	-	-	-	0.00	-	-	-	0.00	0.00	0.00	0.00
(f) Sclerotia, %	0.00	-	-	-	0.12	-	-	-	0.06	0.00	0.18	0.10
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	1.00	-	-	-	2.55	-	-	-	1.25	0.10	2.69	1.32
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	6.28	-	-	-	2.20	-	-	-	2.52	2.00	3.04	0.52
(i) Soiled Soybeans, %	0.00	-	-	-	0.32	-	-	-	2.06	0.24	3.00	1.58
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.50	-	-	-	1.08	-	-	-	0.47	0.10	1.20	0.63
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	0	-	-	-	5	-	-	-	3	0	10	5.77
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	0.00
<b>Number of samples</b>	<b>1</b>				<b>1</b>				<b>3</b>			
<b>Nutritional analysis:</b>												
Moisture, % (17 hr, 103 °C)	6.5	-	-	-	6.7	-	-	-	7.6	6.8	8.8	1.08
Crude protein, % (db)	35.85	-	-	-	40.19	-	-	-	38.31	34.83	40.36	3.03
Crude fat, % (db)	19.3	-	-	-	17.9	-	-	-	19.9	18.3	21.5	1.60
Crude Fibre, % (db)	6.9	-	-	-	6.4	-	-	-	6.8	6.1	7.1	0.58
Ash, % (db)	4.82	-	-	-	4.48	-	-	-	4.81	4.47	5.09	0.31
<b>Number of samples</b>	<b>1</b>				<b>1</b>				<b>3</b>			

## SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(16) North-West Central-Eastern Region				(18) North-West Central Region (Ventersdorp)				(19) North-West Central Region (Lichtenburg)			
<b><u>Grading:</u></b>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
(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), %	0.37	0.32	0.42	0.07	0.38	0.04	0.60	0.30	0.76	-	-	-
(c) Other grain, %	0.15	0.00	0.30	0.21	0.18	0.00	0.40	0.20	0.00	-	-	-
(d) Sunflower seed, %	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.06	0.00	-	-	-
(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	0.05	0.00	0.10	0.05	0.18	-	-	-
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	2.01	1.72	2.30	0.41	0.70	0.12	1.48	0.70	1.64	-	-	-
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	2.99	2.18	3.80	1.15	1.71	0.94	2.44	0.75	3.00	-	-	-
(i) Soiled Soybeans, %	2.77	1.84	3.70	1.32	0.93	0.00	2.58	1.43	2.40	-	-	-
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.37	0.32	0.42	0.07	0.43	0.10	0.70	0.30	0.94	-	-	-
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	0	0	0	0.00	2	0	5	2.89	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	-	-	-
<b>Number of samples</b>	<b>2</b>				<b>3</b>				<b>1</b>			
<b><u>Nutritional analysis:</u></b>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Moisture, % (17 hr, 103 °C)	6.8	6.7	6.8	0.07	7.3	6.8	7.9	0.57	9.0	-	-	-
Crude protein, % (db)	38.15	37.88	38.41	0.37	39.15	37.04	40.78	1.92	37.80	-	-	-
Crude fat, % (db)	19.6	19.1	20.1	0.71	18.6	18.2	19.0	0.40	19.5	-	-	-
Crude Fibre, % (db)	6.0	5.6	6.4	0.57	6.9	6.5	7.5	0.53	6.3	-	-	-
Ash, % (db)	4.90	4.88	4.91	0.02	4.80	4.51	5.14	0.32	4.87	-	-	-
<b>Number of samples</b>	<b>2</b>				<b>3</b>				<b>1</b>			

## 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)			
<b><u>Grading:</u></b>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
(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), %	0.61	0.20	1.98	0.77	2.19	0.36	5.86	2.28	1.70	0.58	5.03	1.89
(c) Other grain, %	0.02	0.00	0.08	0.04	0.03	0.00	0.16	0.07	0.08	0.00	0.38	0.17
(d) Sunflower seed, %	0.02	0.00	0.08	0.04	0.03	0.00	0.08	0.04	0.00	0.00	0.00	0.00
(e) Stones, %	0.02	0.00	0.08	0.04	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	0.06	0.00	0.08	0.04	0.01	0.00	0.05	0.02
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	0.84	0.10	1.88	0.74	1.66	0.90	2.20	0.48	3.27	1.53	7.54	2.47
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	2.66	1.08	4.18	1.26	2.58	1.40	4.00	0.98	2.15	0.40	4.32	1.42
(i) Soiled Soybeans, %	8.37	0.00	18.28	7.88	1.06	0.00	1.80	0.87	0.76	0.00	1.88	0.84
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.61	0.20	1.98	0.77	2.25	0.44	5.86	2.24	1.71	0.58	5.08	1.91
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	0	0	0	0.00	0	0	0	0.00
<b>Number of samples</b>	<b>5</b>				<b>5</b>				<b>5</b>			
<b><u>Nutritional analysis:</u></b>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Moisture, % (17 hr, 103 °C)	6.9	6.6	7.2	0.27	7.7	6.9	9.1	0.93	6.9	6.7	7.1	0.14
Crude protein, % (db)	40.55	40.05	40.90	0.32	39.62	38.54	40.83	0.84	37.28	34.31	40.93	3.03
Crude fat, % (db)	18.8	17.0	19.9	1.30	18.3	17.8	19.3	0.64	18.5	17.4	19.4	0.79
Crude Fibre, % (db)	6.8	5.8	7.6	0.64	7.4	6.1	8.5	0.92	7.9	7.0	9.2	0.87
Ash, % (db)	4.74	4.26	5.07	0.37	4.74	4.62	4.86	0.11	4.99	4.53	5.54	0.49
<b>Number of samples</b>	<b>5</b>				<b>5</b>				<b>5</b>			

## SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(23) Free State North-Western Region (Bultfontein)				(24) Free State Central Region				(25) Free State South-Western Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<b>Grading:</b>												
(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), %	0.93	0.10	1.76	1.17	0.80	0.20	1.80	0.73	0.34	-	-	-
(c) Other grain, %	0.00	0.00	0.00	0.00	0.18	0.00	0.70	0.35	0.12	-	-	-
(d) Sunflower seed, %	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.05	0.00	-	-	-
(e) Stones, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-
(f) Sclerotia, %	0.09	0.00	0.18	0.13	0.00	0.00	0.00	0.00	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, %	1.45	0.20	2.70	1.77	0.77	0.38	1.30	0.38	1.40	-	-	-
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	9.21	1.72	16.70	10.59	2.77	1.00	6.00	2.26	1.34	-	-	-
(i) Soiled Soybeans, %	1.91	0.00	3.82	2.70	0.19	0.00	0.74	0.37	0.00	-	-	-
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	1.02	0.10	1.94	1.30	0.80	0.20	1.80	0.73	0.40	-	-	-
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	3	0	5	3.54	1	0	5	2.50	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	-	-	-
<b>Number of samples</b>	<b>2</b>				<b>4</b>				<b>1</b>			
<b>Nutritional analysis:</b>												
Moisture, % (17 hr, 103 °C)	7.0	6.9	7.1	0.14	7.0	6.9	7.3	0.19	7.8	-	-	-
Crude protein, % (db)	40.38	38.50	42.25	2.65	39.18	38.64	39.98	0.63	42.20	-	-	-
Crude fat, % (db)	17.3	16.3	18.3	1.41	17.6	15.4	19.6	1.76	16.4	-	-	-
Crude Fibre, % (db)	7.7	7.3	8.0	0.49	8.0	7.8	8.4	0.28	7.6	-	-	-
Ash, % (db)	4.85	4.76	4.93	0.12	4.79	4.62	5.17	0.26	4.39	-	-	-
<b>Number of samples</b>	<b>2</b>				<b>4</b>				<b>1</b>			

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(26) Free State South-Eastern Region				(27) Free State Northern Region				(28) Free State Eastern Region			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
<b>Grading:</b>												
(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), %	1.77	0.30	3.82	1.36	0.62	0.20	1.03	0.59	0.36	0.00	1.80	0.43
(c) Other grain, %	0.26	0.00	0.86	0.37	0.04	0.00	0.08	0.06	0.10	0.00	1.60	0.31
(d) Sunflower seed, %	0.14	0.00	0.46	0.18	0.03	0.00	0.06	0.04	0.00	0.00	0.00	0.00
(e) Stones, %	0.10	0.00	0.52	0.23	0.07	0.00	0.14	0.10	0.03	0.00	0.30	0.08
(f) Sclerotia, %	0.05	0.00	0.08	0.04	0.04	0.00	0.08	0.06	0.02	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, %	1.83	0.32	2.95	1.07	2.00	0.40	3.60	2.26	1.60	0.00	4.80	1.11
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	1.75	0.56	3.36	1.02	2.55	1.50	3.60	1.48	6.89	0.50	17.60	4.47
(i) Soiled Soybeans, %	0.26	0.00	0.86	0.36	2.57	0.00	5.14	3.63	3.80	0.00	16.60	4.45
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	1.82	0.30	3.90	1.39	0.66	0.28	1.03	0.53	0.37	0.00	1.80	0.44
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	1	0	5	2.24	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	0	0	0	0.00	0	0	0	0.00
<b>Number of samples</b>	<b>5</b>				<b>2</b>				<b>27</b>			
<b>Nutritional analysis:</b>												
Moisture, % (17 hr, 103 °C)	6.9	6.6	7.3	0.31	7.0	6.8	7.2	0.28	6.9	6.4	7.7	0.37
Crude protein, % (db)	39.22	38.49	40.13	0.66	38.86	37.81	39.90	1.48	40.55	39.56	41.18	0.45
Crude fat, % (db)	17.3	15.6	18.4	1.19	18.4	17.2	19.6	1.70	17.2	16.2	18.5	0.66
Crude Fibre, % (db)	7.0	6.4	7.4	0.41	8.0	6.8	9.1	1.63	7.5	5.4	8.9	0.79
Ash, % (db)	4.65	4.40	4.87	0.19	4.67	4.49	4.84	0.25	4.45	4.01	4.92	0.17
<b>Number of samples</b>	<b>5</b>				<b>2</b>				<b>27</b>			

## SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(29) Mpumalanga Southern Region				(30) Mpumalanga Eastern Region				(31) Mpumalanga Central Region			
<b><u>Grading:</u></b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>
(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), %	0.93	0.10	2.30	0.71	0.99	0.10	3.50	0.73	0.57	0.22	1.52	0.41
(c) Other grain, %	0.10	0.00	0.34	0.13	0.08	0.00	0.90	0.21	0.09	0.00	0.60	0.20
(d) Sunflower seed, %	0.02	0.00	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(e) Stones, %	0.03	0.00	0.10	0.04	0.02	0.00	0.10	0.04	0.01	0.00	0.10	0.03
(f) Sclerotia, %	0.02	0.00	0.10	0.04	0.10	0.00	1.10	0.22	0.02	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, %	1.54	0.30	2.22	0.64	1.79	0.34	5.30	1.11	0.98	0.20	2.20	0.74
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	2.97	0.76	7.20	2.42	4.65	0.10	13.20	2.94	3.52	1.00	7.30	2.10
(i) Soiled Soybeans, %	3.23	0.00	9.00	3.98	5.41	0.00	20.50	4.62	5.60	0.00	10.24	4.18
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.95	0.10	2.30	0.70	1.10	0.30	3.58	0.72	0.59	0.22	1.52	0.42
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	0	0	0	0.00	0	0	5	1.02	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	5	1.51	0	0	5	1.41	1	0	10	3.33
<b>Number of samples</b>	<b>11</b>				<b>24</b>				<b>9</b>			
<b><u>Nutritional analysis:</u></b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>
Moisture, % (17 hr, 103 °C)	7.2	6.7	8.0	0.51	7.5	6.6	10.0	1.00	7.1	6.7	7.7	0.31
Crude protein, % (db)	40.06	36.91	41.38	1.34	40.50	39.33	42.37	0.78	40.09	39.25	41.29	0.70
Crude fat, % (db)	17.9	16.3	18.8	0.80	17.5	16.2	19.4	0.74	18.2	16.9	19.8	0.90
Crude Fibre, % (db)	6.9	5.8	8.4	0.78	7.1	5.0	9.6	1.24	7.4	6.0	9.6	1.17
Ash, % (db)	4.56	4.27	4.82	0.21	4.50	4.22	4.89	0.19	4.58	4.36	4.90	0.16
<b>Number of samples</b>	<b>11</b>				<b>24</b>				<b>9</b>			

## SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(32) Mpumalanga Western Region				(33) Mpumalanga Northern Region				(34) Gauteng Region			
<b><u>Grading:</u></b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>
(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), %	1.13	0.25	3.40	1.14	0.79	0.15	2.30	0.67	0.79	0.25	1.70	0.48
(c) Other grain, %	0.15	0.00	1.30	0.41	0.20	0.00	0.60	0.24	0.22	0.00	0.90	0.31
(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, %	0.01	0.00	0.08	0.03	0.12	0.00	1.35	0.41	0.03	0.00	0.20	0.07
(f) Sclerotia, %	0.17	0.00	0.60	0.18	0.06	0.00	0.10	0.05	0.05	0.00	0.20	0.07
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	1.32	0.78	2.07	0.43	0.98	0.10	2.70	0.87	1.39	0.07	3.53	1.08
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	3.76	0.30	7.80	2.37	2.67	0.80	4.40	1.13	3.73	1.20	7.00	2.21
(i) Soiled Soybeans, %	5.15	0.00	9.90	2.90	8.11	0.20	17.80	5.88	2.34	0.10	7.10	2.29
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	1.29	0.38	3.50	1.11	0.84	0.23	2.30	0.66	0.84	0.25	1.90	0.55
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	1	0	5	1.58	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> )	1	0	5	1.58	0	0	5	1.51	0	0	0	0.00
<b>Number of samples</b>	<b>10</b>				<b>11</b>				<b>8</b>			
<b><u>Nutritional analysis:</u></b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>	<b>ave</b>	<b>min</b>	<b>max</b>	<b>stdev</b>
Moisture, % (17 hr, 103 °C)	7.2	6.6	9.1	0.72	7.3	6.8	8.2	0.40	7.1	6.4	7.9	0.49
Crude protein, % (db)	40.41	39.07	41.10	0.66	40.77	39.78	43.70	1.11	39.55	33.81	41.16	2.41
Crude fat, % (db)	17.9	16.6	19.3	0.87	18.0	16.6	19.5	1.06	17.9	15.8	20.9	1.63
Crude Fibre, % (db)	6.3	5.6	7.4	0.48	6.7	4.6	7.8	0.94	6.2	5.0	8.5	1.10
Ash, % (db)	4.63	4.41	5.08	0.19	4.75	4.42	4.98	0.17	4.71	4.50	5.23	0.24
<b>Number of samples</b>	<b>10</b>				<b>11</b>				<b>8</b>			

## SOUTH AFRICAN REGIONAL SOYBEAN QUALITY



PRODUCTION REGION	(35) Limpopo Region				(36) KwaZulu-Natal Region			
	ave	min	max	stdev	ave	min	max	stdev
<b>Grading:</b>								
(a) Wet pods, %	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), %	0.10	-	-	-	0.72	0.10	1.58	0.60
(c) Other grain, %	0.00	-	-	-	0.20	0.00	1.00	0.32
(d) Sunflower seed, %	0.00	-	-	-	0.00	0.00	0.00	0.00
(e) Stones, %	0.00	-	-	-	0.00	0.00	0.00	0.00
(f) Sclerotia, %	0.00	-	-	-	0.08	0.00	0.20	0.08
(g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, %	1.70	-	-	-	0.66	0.00	1.64	0.61
(h) Defective Soybeans on the 4.75 mm round hole sieve, %	13.30	-	-	-	1.47	0.40	4.34	1.26
(i) Soiled Soybeans, %	0.30	-	-	-	7.00	2.00	12.00	3.85
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.10	-	-	-	0.80	0.10	1.78	0.67
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	0	-	-	-	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	-	-	-	1	0	10	3.33
<b>Number of samples</b>	<b>1</b>				<b>9</b>			
<b>Nutritional analysis:</b>								
Moisture, % (17 hr, 103 °C)	6.5	-	-	-	7.3	6.6	8.3	0.56
Crude protein, % (db)	41.58	-	-	-	39.70	38.13	40.57	0.88
Crude fat, % (db)	16.6	-	-	-	20.0	18.12	22.1	1.14
Crude Fibre, % (db)	6.7	-	-	-	6.4	5.8	7.1	0.42
Ash, % (db)	4.88	-	-	-	4.71	4.57	4.93	0.12
<b>Number of samples</b>	<b>1</b>				<b>9</b>			