

**SOUTH AFRICAN
REGIONAL SOYBEAN QUALITY**

PRODUCTION REGION	(10) Griqualand-West				(13) North West Central Region (Sannieshof)				(17) North West Central Northern Region (Ottosdal)			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Intake silos	Britstown Douglas Havenga Brug Marydale Modderrivier Oranjerivierstasie Prieska Rietrivier Upington				Biesiesvlei Bossies Gerdau Oppaslaagte Sannieshof				Bospoort Lethabong (Hartbeesfontein) Kleinharts Melliodora Ottosdal Rostrataville Vermaas Werda			
<u>Grading:</u>												
(a) Wet pods, %	0.00	-	-	-	0.00	-	-	-	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains, sunflower seeds and stones: Provided that scuh deviations are individually within the limits specified in items (c), (d), and (e), %	0.13	-	-	-	1.33	-	-	-	0.42	0.34	0.50	0.11
(c) Other grain, %	0.00	-	-	-	1.24	-	-	-	0.01	0.00	0.01	0.01
(d) Sunflower seed, %	0.00	-	-	-	0.00	-	-	-	0.05	0.00	0.10	0.07
(e) Stones, %	0.00	-	-	-	0.00	-	-	-	0.00	0.00	0.00	0.00
(f) Sclerotinia, %	0.01	-	-	-	0.00	-	-	-	0.00	0.00	0.00	0.00
(g) Soybeans and parts of Soybeans wich pass through the 4.75 mm round hole screen, %	0.81	-	-	-	6.22	-	-	-	3.14	2.45	3.83	0.98
(h) Defective Soybeans on the 4.75 mm round hole screen, %	0.79	-	-	-	1.62	-	-	-	0.91	0.53	1.28	0.53
(i) Soiled Soybeans, %	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, %	0.15	-	-	-	1.33	-	-	-	0.42	0.34	0.50	0.11
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	-	-	-	0	-	-	-	0	0	0	0
Noxious 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
Number of samples	1				1				2			
<u>Chemical analysis:</u>												
Moisture, % (17hr, 103 °C)	8.6	-	-	-	7.8	-	-	-	6.7	6.7	6.7	0.00
Protein, % (db)	40.05	-	-	-	41.69	-	-	-	42.43	42.04	42.82	0.55
Fat, % (db)	20.6	-	-	-	19.3	-	-	-	16.7	16.6	16.7	0.07
Ash, % (db)	4.98	-	-	-	4.54	-	-	-	4.55	4.27	4.83	0.40
Number of samples	1				1				2			

**SOUTH AFRICAN
REGIONAL SOYBEAN QUALITY**

PRODUCTION REGION	(18) North West Central Region (Ventersdorp)				(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
Intake silos	Bodenstein Buckingham Coligny Enselspruit Makokskraal Potchefstroom Ventersdorp				Attie Groenebloem Heuningspruit Koppies Rooiwal Vierfontein Viljoenskroon Vredefort Weiveld				Allanridge Bothaville Mirage Odendaalsrus Schoonspruit Schuttesdraai			
<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, sunflower seeds and stones: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.83	-	-	-	0.92	0.38	2.36	0.72	0.62	0.07	1.16	0.77
(c) Other grain, %	0.16	-	-	-	0.11	0.00	0.35	0.14	0.05	0.00	0.09	0.06
(d) Sunflower seed, %	0.00	-	-	-	0.01	0.00	0.05	0.02	0.00	0.00	0.00	0.00
(e) Stones, %	0.00	-	-	-	0.03	0.00	0.19	0.08	0.00	0.00	0.00	0.00
(f) Sclerotinia, %	0.00	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(g) Soybeans and parts of Soybeans which pass through the 4.75 mm round hole screen, %	1.93	-	-	-	5.76	1.40	9.31	3.50	2.46	0.84	4.07	2.28
(h) Defective Soybeans on the 4.75 mm round hole screen, %	0.83	-	-	-	1.48	0.41	3.25	1.13	1.49	1.33	1.65	0.23
(i) Soiled Soybeans, %	0.14	-	-	-	0.02	0.00	0.10	0.04	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, %	0.83	-	-	-	0.92	0.38	2.36	0.72	0.62	0.07	1.16	0.77
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	-	-	-	0	0	0	0	0	0	0	0
Noxious 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
Number of samples	1				6				2			
<u>Chemical analysis:</u>												
Moisture, % (17hr, 103 °C)	6.7	-	-	-	6.7	6.5	6.8	0.10	7.8	7.7	7.8	0.07
Protein, % (db)	40.92	-	-	-	40.90	38.83	42.08	1.23	40.02	37.88	42.15	3.02
Fat, % (db)	20.2	-	-	-	18.7	17.7	20.0	0.84	20.9	20.4	21.4	0.71
Ash, % (db)	4.83	-	-	-	5.01	4.82	5.61	0.30	4.61	4.38	4.83	0.32
Number of samples	1				6				2			

SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(24) Free State Central Region				(25) Free State South-Western Region (Bethlehem)				(26) Free State South-Eastern Region (Senekal)			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Intake silos	Bloemfontein Brandfort De Brug Geneva Hennenman Koffiefontein Kroonstad Petrusburg Theunissen Van Tonder Welgeleë Winburg				Bethlehem Clocolan De Wetsdorp Ficksburg Fouriesburg Marseilles Modderpoort Slabberts Tweespruit Westminster Zastron				Arlington Kaallaagte Libertas Marquard Meets Monte Video Senekal Steynsrus			
<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, sunflower seeds and stones: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.43	0.05	0.69	0.33	0.75	0.15	1.86	0.65	0.54	0.25	0.90	0.26
(c) Other grain, %	0.11	0.00	0.22	0.11	0.01	0.00	0.05	0.02	0.33	0.09	0.69	0.21
(d) Sunflower seed, %	0.03	0.00	0.08	0.04	0.04	0.00	0.10	0.04	0.02	0.00	0.06	0.02
(e) Stones, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.03
(f) Sclerotinia, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01
(g) Soybeans and parts of Soybeans which pass through the 4.75 mm round hole screen, %	5.73	4.50	6.38	1.07	3.37	1.37	5.30	1.49	4.04	0.46	7.00	2.43
(h) Defective Soybeans on the 4.75 mm round hole screen, %	2.21	0.95	3.14	1.13	1.17	0.21	1.74	0.55	1.10	0.68	1.81	0.41
(i) Soiled Soybeans, %	0.02	0.00	0.06	0.03	0.00	0.00	0.00	0.00	0.09	0.00	0.34	0.14
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.43	0.05	0.69	0.33	0.75	0.15	1.86	0.65	0.54	0.27	0.90	0.26
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0	0	0	0	0	0	0	0	0
Noxious 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	0
Number of samples	3				6				6			
<u>Chemical analysis:</u>												
Moisture, % (17hr, 103 °C)	6.6	6.6	6.6	0.00	7.3	6.7	8.3	0.78	7.6	6.8	8.1	0.64
Protein, % (db)	38.18	34.34	41.80	3.73	38.95	37.42	40.33	1.25	40.42	39.94	42.04	0.80
Fat, % (db)	18.2	17.9	18.7	0.44	18.4	17.9	19.1	0.50	19.2	17.7	20.1	0.86
Ash, % (db)	5.02	4.76	5.17	0.23	4.61	4.14	4.91	0.29	4.81	4.67	5.18	0.19
Number of samples	3				6				6			

SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

PRODUCTION REGION	(27) Free State Northern Region				(28) Free State Eastern Region				(29) Mpumalanga Southern Region																								
Intake silos	Gottenburg	Heilbron	Hoogte	Mooigeleë	Petrus Steyn	Wolwehoek	Afrikaskop	Ascent	Cornelia	Daniëlsrus	Eeram	Frankfort	Harrismith	Jim Fouché	Kransfontein	Memel	Reitz	Tweeling	Villiers	Vrede	Warden	Windfield	Balfour	Grootvlei	Holmdene	Platrand	Val	Greylingstad	Harvard	Leeuspruit	Standerton		
<u>Grading:</u>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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, sunflower seeds and stones: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.66	0.24	0.96	0.35	0.29	0.02	0.97	0.27	0.13	0.00	0.24	0.08																					
(c) Other grain, %	0.20	0.00	0.38	0.19	0.01	0.00	0.08	0.02	0.04	0.00	0.21	0.07																					
(d) Sunflower seed, %	0.03	0.00	0.05	0.02	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	0.04	0.00	0.25	0.08	0.02	0.00	0.17	0.05																					
(f) Sclerotinia, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.03																					
(g) Soybeans and parts of Soybeans which pass through the 4.75 mm round hole screen, %	4.21	3.70	5.34	0.77	1.36	0.07	3.44	1.23	3.35	1.50	7.72	2.05																					
(h) Defective Soybeans on the 4.75 mm round hole screen, %	0.93	0.58	1.06	0.23	1.62	0.42	3.17	0.93	1.81	0.85	3.18	0.72																					
(i) Soiled Soybeans, %	0.03	0.00	0.13	0.07	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, %	0.65	0.24	0.94	0.34	0.29	0.02	0.97	0.27	0.15	0.00	0.26	0.08																					
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0	0	0	0	0	0	0	0	0																					
Noxious 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	0																					
Number of samples	4				13				11																								
<u>Chemical analysis:</u>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev	
Moisture, % (17hr, 103 °C)	6.6	6.5	6.7	0.08	6.7	6.5	8.0	0.39	6.6	6.5	6.7	0.08																					
Protein, % (db)	41.84	39.29	43.19	1.83	41.78	39.32	43.25	1.23	40.90	39.36	41.70	0.69																					
Fat, % (db)	18.3	17.2	19.4	0.99	18.1	17.3	18.8	0.52	18.2	16.4	19.5	0.85																					
Ash, % (db)	4.66	4.52	4.79	0.14	4.61	4.45	4.93	0.14	4.75	4.55	5.02	0.15																					
Number of samples	4				13				11																								

**SOUTH AFRICAN
REGIONAL SOYBEAN QUALITY**

PRODUCTION REGION	(30) Mpumalanga Eastern Region				(31) Mpumalanga Central Region				(32) Mpumalanga Western Region			
	Intake silos	Amersfoort Badplaas Carolina Davel Eerstelingsfontein Ermelo Estancia Lothair Maizefield Mkondo Morgenzon Overvaal	Panbult Vaalkrantz	Bakenlaagte Brakfontein Bethal Devon Kinross Leandra Trichardt	Argent Dryden Endicott Elof Hawerklip Kendal Ogies							
<u>Grading:</u>	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, sunflower seeds and stones: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.35	0.06	1.26	0.31	0.52	0.08	2.13	0.57	0.51	0.22	0.98	0.25
(c) Other grain, %	0.08	0.00	1.03	0.21	0.13	0.00	1.24	0.33	0.04	0.00	0.19	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, %	0.01	0.00	0.34	0.06	0.02	0.00	0.26	0.07	0.02	0.00	0.20	0.06
(f) Sclerotinia, %	0.01	0.00	0.07	0.02	0.16	0.00	0.65	0.20	0.09	0.00	0.35	0.10
(g) Soybeans and parts of Soybeans which pass through the 4.75 mm round hole screen, %	2.03	0.41	6.14	1.24	2.19	0.24	4.76	1.34	2.87	1.04	6.97	1.90
(h) Defective Soybeans on the 4.75 mm round hole screen, %	1.66	0.67	4.03	0.67	1.88	0.42	3.24	0.95	1.22	0.69	2.17	0.44
(i) Soiled Soybeans, %	0.43	0.00	4.89	0.96	0.46	0.00	1.47	0.60	1.38	0.00	6.27	2.20
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.36	0.06	1.26	0.31	0.67	0.12	2.13	0.55	0.60	0.22	1.12	0.25
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0	0	0	0	0	0	0	0	0
Noxious 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	5	1.34	0	0	0	0
Number of samples	38				14				11			
<u>Chemical analysis:</u>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Moisture, % (17hr, 103 °C)	7.1	6.5	9.9	0.78	7.4	6.6	8.3	0.66	7.8	6.6	8.2	0.57
Protein, % (db)	40.76	38.44	42.26	0.90	40.93	39.62	42.44	0.82	40.41	39.12	42.60	1.09
Fat, % (db)	18.4	13.7	21.3	1.77	18.4	17.3	19.3	0.56	19.2	17.0	20.5	1.14
Ash, % (db)	4.47	4.23	4.80	0.13	4.58	4.39	5.00	0.16	4.70	4.44	4.85	0.14
Number of samples	38				14				11			

**SOUTH AFRICAN
REGIONAL SOYBEAN QUALITY**

PRODUCTION REGION	(33) Mpumalanga Northern Region				(34) Gauteng				(35) Limpopo			
	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Intake silos	Driefontein Lydenburg Marble Hall Middelburg Stoffberg Pan Arnot Wonderfontein				Bloekomspruit Bronkhorstspruit Glenroy Goeie Hoek Kaalfontein Middelvei Nigel Oberholzer Raarthsvei				Alma Bela-Bela (Warmbad) Crecy Immerpan Lehau Modimolle (Nylstroom) Mokopane (Potgietersrus) Mookgophong (Naboomspruit) Northam Nutfield Pienaarsrivier Polokwane (Pietersburg) Roedtan Settlers Tzaneen Vaalwater			
<u>Grading:</u>	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, sunflower seeds and stones: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.85	0.17	2.52	0.81	0.50	0.16	1.32	0.35	0.38	-	-	-
(c) Other grain, %	0.22	0.00	1.91	0.56	0.11	0.00	0.51	0.17	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, %	0.01	0.00	0.09	0.03	0.02	0.00	0.15	0.05	0.00	-	-	-
(f) Sclerotinia, %	0.01	0.00	0.07	0.02	0.01	0.00	0.06	0.02	0.00	-	-	-
(g) Soybeans and parts of Soybeans which pass through the 4.75 mm round hole screen, %	1.51	0.32	3.23	1.03	2.80	0.39	9.91	2.74	0.85	-	-	-
(h) Defective Soybeans on the 4.75 mm round hole screen, %	0.94	0.15	2.12	0.67	0.99	0.56	1.30	0.26	2.94	-	-	-
(i) Soiled Soybeans, %	0.65	0.00	1.96	0.70	0.08	0.00	0.65	0.20	1.94	-	-	-
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.86	0.17	2.52	0.82	0.51	0.18	1.32	0.35	0.38	-	-	-
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0	0	0	0	0	0	-	-	-
Noxious 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	-	-	-
Number of samples	11				10				1			
<u>Chemical analysis:</u>	ave	min	max	stdev	ave	min	max	stdev	ave	min	max	stdev
Moisture, % (17hr, 103 °C)	8.1	7.3	9.6	0.56	6.9	6.5	8.0	0.45	8.5	-	-	-
Protein, % (db)	39.75	38.19	41.24	0.97	40.43	39.03	42.15	1.08	40.81	-	-	-
Fat, % (db)	20.0	18.6	22.7	1.24	18.5	16.6	20.4	1.04	21.6	-	-	-
Ash, % (db)	4.63	4.33	5.35	0.30	4.84	4.68	4.96	0.11	4.98	-	-	-
Number of samples	11				10				1			

**SOUTH AFRICAN
REGIONAL SOYBEAN QUALITY**

PRODUCTION REGION	(36)			
	KwaZulu-Natal			
Intake silos	Bergville Bloedrivier Dannhauser Dundee Mizpah New Amalfi Paulpietersburg Vryheid Winterton			
<u>Grading:</u>	ave	min	max	stdev
(a) Wet pods, %	0.00	0.00	0.00	0.00
(b) Foreign matter, including stones, other grains, sunflower seeds and stones: Provided that such deviations are individually within the limits specified in items (c), (d), and (e), %	0.73	0.15	2.35	0.69
(c) Other grain, %	0.13	0.00	0.80	0.26
(d) Sunflower seed, %	0.00	0.00	0.00	0.00
(e) Stones, %	0.00	0.00	0.04	0.01
(f) Sclerotinia, %	0.00	0.00	0.00	0.00
(g) Soybeans and parts of Soybeans which pass through the 4.75 mm round hole screen, %	1.21	0.00	3.12	1.15
(h) Defective Soybeans on the 4.75 mm round hole screen, %	11.41	0.16	90.55	29.69
(i) Soiled Soybeans, %	1.34	0.00	4.84	1.86
(j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, %	0.73	0.15	2.35	0.69
Noxious seeds (<i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i>)	0	0	0	0
Noxious 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
Number of samples	9			
<u>Chemical analysis:</u>	ave	min	max	stdev
Moisture, % (17hr, 103 °C)	7.9	7.3	8.3	0.29
Protein, % (db)	40.19	39.20	41.39	0.69
Fat, % (db)	20.9	19.8	21.8	0.65
Ash, % (db)	4.65	4.31	4.80	0.14
Number of samples	9			