# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (11) Vaalharts Region | | | | (14) North-West Southern Region | | | | (17) North-West Central Northern Region (Ottosdal) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Barkly West (Bins/Bulk)<br>Jan Kempdorp (Bags/Bunkers)<br>Hartswater (Bins)<br>Jan Kempdorp 287 (Bins)<br>Magogong (Bins)<br>Tadcaster (Bins) | | | | Amalia (Bins)<br>Barberspan (Bins)<br>Delareyville (Bins)<br>Excelsior (Bins)<br>Geysdorp (Bins)<br>Hallatshope (Bins)<br>Madibogo (Bins)<br>Migdol (Bins)<br>Nooitgedacht (Bins)<br>Schweizer-Reneke (Bins)<br>Taaiboschpan (Bins) | | | | Boschpoort (Bags/Bins/Bulk)<br>Hartbeesfontein (Bins)<br>Kleinharts (Bins)<br>Melliodora (Bins)<br>Ottosdal (Bins)<br>Rostrataville (Bins)<br>Vermaas (Bins)<br>Werda (Bins) | | | |
| ***Grading:*** | **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 | - | - | - |
| (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), % | 1.11 | 0.18 | 2.04 | 1.32 | 1.40 | - | - | - | 0.83 | - | - | - |
| (c) Other grain, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | - | - | - | 0.00 | - | - | - |
| (d) Sunflower seed, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | - | - | - | 0.08 | - | - | - |
| (e) Stones, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | 0.00 | - | - | - |
| (f) Sclerotia, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | 0.10 | - | - | - |
| (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 | 0.16 | 1.08 | 0.65 | 1.16 | - | - | - | 1.41 | - | - | - |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 2.85 | 2.50 | 3.20 | 0.49 | 2.22 | - | - | - | 1.30 | - | - | - |
| (i) Soiled Soybeans, % | 0.30 | 0.28 | 0.32 | 0.03 | 0.42 | - | - | - | 0.00 | - | - | - |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 1.11 | 0.18 | 2.04 | 1.32 | 1.40 | - | - | - | 0.93 | - | - | - |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 0 | 0 | 0 | 0 | 0 | - | - | - | 0 | - | - | - |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 0 | 0 | 0 | 0 | 0 | - | - | - | 0 | - | - | - |
| ***Number of samples*** | ***2*** | | | | ***1*** | | | | ***1*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 6.8 | 6.7 | 6.9 | 0.14 | 7.7 | - | - | - | 6.9 | - | - | - |
| Crude protein, % (db) | 40.82 | 40.35 | 41.28 | 0.66 | 40.22 | - | - | - | 41.60 | - | - | - |
| Crude fat, % (db) | 20.0 | 19.5 | 20.5 | 0.71 | 21.4 | - | - | - | 19.4 | - | - | - |
| Crude Fibre, % (db) | 5.6 | 5.5 | 5.7 | 0.14 | 5.4 | - | - | - | 6.1 | - | - | - |
| Ash, % (db) | 5.15 | 5.13 | 5.17 | 0.03 | 4.69 | - | - | - | 4.57 | - | - | - |
| ***Number of samples*** | ***2*** | | | | ***1*** | | | | ***1*** | | | |

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (18) North-West Central Region (Ventersdorp) | | | | (20) North-West Eastern Region | | | | (21) Free State North-Western Region (Viljoenskroon) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Bodenstein (Bins)<br>Buckingham (Bins)<br>Coligny (Bins)<br>Enselspruit (Bins)<br>Makokskraal (Bins)<br>Potchefstroom (Bins)<br>Ventersdorp (Bins) | | | | Battery (Bins)<br>Brits (Bins)<br>Boons (Bins)<br>Derby (Bins)<br>Koster (Bins)<br>Swartruggens (Bins)<br>Syferbult (Bins) | | | | Attie (Bins)<br>Groenebloem (Bins)<br>Heuningspruit (Bins)<br>Kommandonek (Bunker)<br>Koppies (Bins)<br>Rooiwal (Bins)<br>Vierfontein (Bins)<br>Viljoenskroon (Bins)<br>Vredefort (Bins)<br>Weiveld (Bins) | | | |
| ***Grading:*** | **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), % | 0.68 | - | - | - | 1.20 | 0.80 | 1.86 | 0.42 | 0.70 | 0.46 | 0.85 | 0.17 |
| (c) Other grain, % | 0.26 | - | - | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.22 | 0.11 |
| (d) Sunflower seed, % | 0.00 | - | - | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.07 | 0.03 |
| (e) Stones, % | 0.00 | - | - | - | 0.27 | 0.00 | 0.62 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| (f) Sclerotia, % | 0.00 | - | - | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | - | - | - | 0.70 | 0.56 | 0.86 | 0.11 | 1.89 | 1.33 | 2.82 | 0.65 |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 0.80 | - | - | - | 1.92 | 1.82 | 2.02 | 0.07 | 2.02 | 1.30 | 2.60 | 0.65 |
| (i) Soiled Soybeans, % | 1.34 | - | - | - | 5.82 | 2.12 | 9.62 | 3.50 | 0.48 | 0.00 | 1.56 | 0.74 |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 0.68 | - | - | - | 1.20 | 0.80 | 1.86 | 0.42 | 0.70 | 0.46 | 0.85 | 0.17 |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Number of samples*** | ***1*** | | | | ***5*** | | | | ***4*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 6.7 | - | - | - | 6.6 | 6.4 | 6.7 | 0.11 | 7.0 | 6.6 | 7.6 | 0.43 |
| Crude protein, % (db) | 40.67 | - | - | - | 40.63 | 39.55 | 42.33 | 1.13 | 40.42 | 38.04 | 43.65 | 2.64 |
| Crude fat, % (db) | 17.5 | - | - | - | 21.6 | 20.8 | 22.3 | 0.56 | 19.8 | 18.6 | 21.6 | 1.30 |
| Crude Fibre, % (db) | 6.4 | - | - | - | 6.2 | 5.6 | 6.7 | 0.44 | 5.5 | 4.8 | 6.3 | 0.62 |
| Ash, % (db) | 4.84 | - | - | - | 4.93 | 4.78 | 5.05 | 0.10 | 4.71 | 4.57 | 4.78 | 0.09 |
| ***Number of samples*** | ***1*** | | | | ***5*** | | | | ***4*** | | | |

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (22) Free State North-Western Region (Bothaville) | | | | (23) Free State North-Western Region (Bultfontein) | | | | (24) Free State Central Region | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Allanridge (Bins)<br>Bothaville (Bins)<br>Mirage (Bins)<br>Misgunst (Bunkers)<br>Odendaalsrus (Bins)<br>Schoonspruit (Bins)<br>Schuttesdraai (Bins) | | | | Bultfontein (Bins)<br>Kaalplaas (Bins)<br>Losdoorns (Bins)<br>Protespan (Bins)<br>Tierfontein (Bins)<br>Wesselsbron (Bins)<br>Willemsrust (Bins) | | | | Bainsvlei (Bins)<br>Bloemfontein (Bins)<br>Brandfort (Bins)<br>De Brug (Bins)<br>Geneva (Bins)<br>Hennenman (Bins)<br>Kroonstad (Bins)<br>Petrusburg (Bins)<br>Theunissen (Bins)<br>Van Tonder (Bins)<br>Welgeleë (Bins)<br>Winburg (Bins) | | | |
| ***Grading:*** | **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), % | 0.65 | 0.20 | 1.09 | 0.63 | 0.28 | 0.24 | 0.32 | 0.06 | 1.66 | - | - | - |
| (c) Other grain, % | 0.10 | 0.00 | 0.20 | 0.14 | 0.08 | 0.00 | 0.16 | 0.11 | 0.00 | - | - | - |
| (d) Sunflower seed, % | 0.02 | 0.00 | 0.04 | 0.03 | 0.04 | 0.00 | 0.08 | 0.06 | 0.00 | - | - | - |
| (e) Stones, % | 0.06 | 0.00 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - |
| (f) Sclerotia, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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, % | 1.56 | 0.86 | 2.26 | 0.99 | 0.60 | 0.54 | 0.66 | 0.08 | 1.35 | - | - | - |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 1.84 | 1.46 | 2.22 | 0.54 | 2.72 | 1.82 | 3.62 | 1.27 | 0.90 | - | - | - |
| (i) Soiled Soybeans, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.16 | 0.32 | 0.11 | 6.36 | - | - | - |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 0.65 | 0.20 | 1.09 | 0.63 | 0.28 | 0.24 | 0.32 | 0.06 | 1.66 | - | - | - |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 3 | 0 | 5 | 3.54 | 0 | 0 | 0 | 0 | 1 | - | - | - |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - |
| ***Number of samples*** | ***2*** | | | | ***2*** | | | | ***1*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 6.9 | 6.6 | 7.1 | 0.35 | 6.8 | 6.5 | 7.0 | 0.35 | 6.8 | - | - | - |
| Crude protein, % (db) | 37.57 | 36.05 | 39.08 | 2.14 | 38.29 | 37.96 | 38.62 | 0.47 | 38.74 | - | - | - |
| Crude fat, % (db) | 20.3 | 20.0 | 20.5 | 0.35 | 20.6 | 20.2 | 20.9 | 0.49 | 19.1 | - | - | - |
| Crude Fibre, % (db) | 5.6 | 5.5 | 5.7 | 0.14 | 5.6 | 5.3 | 5.9 | 0.42 | 6.1 | - | - | - |
| Ash, % (db) | 4.87 | 4.68 | 5.05 | 0.26 | 4.87 | 4.57 | 5.17 | 0.42 | 4.77 | - | - | - |
| ***Number of samples*** | ***2*** | | | | ***2*** | | | | ***1*** | | | |

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (25) Free State South-Western Region | | | | (26) Free State South-Eastern Region | | | | (27) Free State Northern Region | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Bethlehem (Bins)<br>Clocolan (Bins)<br>Dewetsdorp (Bins)<br>Ficksburg (Bins)<br>Fouriesburg (Bins)<br>Marseilles (Bins)<br>Modderpoort (Bins)<br>Slabberts (Bins)<br>Tweespruit (Bins)<br>Westminster (Bins) | | | | Arlington (Bins)<br>Kaallaagte (Bins)<br>Libertas (Bins)<br>Marquard (Bins)<br>Meets (Bins)<br>Monte Video (Bins)<br>Senekal (Bins)<br>Steynsrus (Bins) | | | | Gottenburg (Bins)<br>Heilbron (Bins)<br>Hoogte Grainlink (Bins)<br>Mooigeleë (Bins)<br>Petrus Steyn (Bins)<br>Wolwehoek (Bins) | | | |
| ***Grading:*** | **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), % | 4.31 | 0.70 | 14.70 | 4.52 | 0.71 | 0.12 | 2.12 | 0.60 | 0.83 | 0.64 | 0.94 | 0.14 |
| (c) Other grain, % | 2.65 | 0.00 | 13.50 | 4.47 | 0.09 | 0.00 | 0.42 | 0.13 | 0.04 | 0.00 | 0.16 | 0.08 |
| (d) Sunflower seed, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.08 | 0.03 | 0.03 | 0.00 | 0.08 | 0.04 |
| (e) Stones, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (f) Sclerotia, % | 0.10 | 0.00 | 0.30 | 0.11 | 0.09 | 0.00 | 0.36 | 0.13 | 0.11 | 0.00 | 0.17 | 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, % | 3.56 | 1.42 | 5.65 | 1.11 | 0.94 | 0.16 | 2.08 | 0.65 | 1.57 | 0.98 | 2.10 | 0.50 |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 3.23 | 1.82 | 6.50 | 1.34 | 1.17 | 0.70 | 1.78 | 0.34 | 1.76 | 0.74 | 4.56 | 1.87 |
| (i) Soiled Soybeans, % | 0.26 | 0.00 | 0.62 | 0.21 | 0.47 | 0.00 | 1.26 | 0.47 | 0.33 | 0.00 | 0.80 | 0.34 |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 4.41 | 1.00 | 14.70 | 4.44 | 0.81 | 0.12 | 2.18 | 0.68 | 0.94 | 0.64 | 1.11 | 0.21 |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 2.89 | 0 | 0 | 0 | 0 |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Number of samples*** | ***9*** | | | | ***12*** | | | | ***4*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 6.8 | 6.6 | 7.0 | 0.16 | 6.7 | 6.2 | 6.9 | 0.19 | 7.2 | 6.9 | 7.7 | 0.36 |
| Crude protein, % (db) | 40.77 | 34.91 | 45.43 | 3.09 | 39.97 | 36.21 | 43.92 | 2.36 | 40.43 | 39.84 | 41.35 | 0.67 |
| Crude fat, % (db) | 18.2 | 15.8 | 20.0 | 1.24 | 18.8 | 17.3 | 21.5 | 1.37 | 19.7 | 18.8 | 20.1 | 0.62 |
| Crude Fibre, % (db) | 5.6 | 4.7 | 6.2 | 0.45 | 5.7 | 5.3 | 6.3 | 0.40 | 5.3 | 4.4 | 6.5 | 0.94 |
| Ash, % (db) | 4.54 | 4.31 | 4.93 | 0.18 | 4.64 | 4.27 | 5.16 | 0.23 | 4.46 | 4.38 | 4.56 | 0.09 |
| ***Number of samples*** | ***9*** | | | | ***12*** | | | | ***4*** | | | |

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (28) Free State Eastern Region | | | | (29) Mpumalanga Southern Region | | | | (30) Mpumalanga Eastern Region | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Afrikaskop (Bins/Bunkers)<br>Ascent (Bins)<br>Cornelia (Bins)<br>Daniëlsrus (Bins)<br>Eeram (Bins)<br>Frankfort (Bins)<br>Harrismith (Bins)<br>Jim Fouché (Bins)<br>Kransfontein (Bins/Bunkers)<br>Memel (Bins)<br>Reitz (Bins)<br>Tweeling (Bins)<br>Villiers (Bins/Bulk)<br>Vrede (Bins)<br>Warden (Bins)<br>Windfield (Bins) | | | | Balfour (Bins)<br>Greylingstad (Bins)<br>Grootvlei (Bins)<br>Harvard (Bins)<br>Holmdene (Bins)<br>Leeuspruit (Bins)<br>Platrand (Bins)<br>Standerton (Bins)<br>Val (Bins) | | | | Amersfoort (Bins)<br>Carolina (Bins)<br>Davel (Bins)<br>Eerstelingsfontein (Bunkers)<br>Ermelo (Bins)<br>Estancia (Bins)<br>Hendriksvallei (Bunkers)<br>Lothair (Bins)<br>Maizefield (Bins)<br>Mkondo (Bins)<br>Morgenzon (Bins)<br>Overvaal (Bins)<br>Panbult (Bins)<br>Sandspruit (Bunkers) | | | |
| ***Grading:*** | **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), % | 0.47 | 0.04 | 1.76 | 0.51 | 1.07 | 0.22 | 3.35 | 0.91 | 0.88 | 0.06 | 1.68 | 0.43 |
| (c) Other grain, % | 0.01 | 0.00 | 0.08 | 0.03 | 0.09 | 0.00 | 0.75 | 0.18 | 0.09 | 0.00 | 0.88 | 0.18 |
| (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, % | 0.05 | 0.00 | 0.60 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (f) Sclerotia, % | 0.07 | 0.00 | 0.18 | 0.06 | 0.10 | 0.00 | 0.26 | 0.08 | 0.06 | 0.00 | 0.12 | 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, % | 1.42 | 0.10 | 3.77 | 1.14 | 2.06 | 1.13 | 4.18 | 0.77 | 1.58 | 0.22 | 3.10 | 0.67 |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 1.97 | 0.30 | 4.80 | 1.45 | 1.99 | 0.26 | 3.84 | 1.14 | 1.91 | 0.86 | 2.70 | 0.44 |
| (i) Soiled Soybeans, % | 0.37 | 0.00 | 1.50 | 0.60 | 0.99 | 0.00 | 3.40 | 1.22 | 1.82 | 0.00 | 16.22 | 3.50 |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 0.54 | 0.04 | 1.90 | 0.54 | 1.17 | 0.28 | 3.41 | 0.90 | 0.94 | 0.14 | 1.78 | 0.43 |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 0 | 0 | 2 | 0.81 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 2.57 |
| ***Number of samples*** | ***11*** | | | | ***18*** | | | | ***28*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 6.9 | 6.6 | 7.5 | 0.34 | 6.8 | 6.6 | 7.2 | 0.18 | 6.9 | 6.6 | 7.6 | 0.27 |
| Crude protein, % (db) | 39.64 | 32.71 | 44.17 | 2.74 | 40.08 | 36.96 | 43.19 | 1.55 | 40.10 | 38.44 | 43.45 | 1.31 |
| Crude fat, % (db) | 18.5 | 16.8 | 20.3 | 1.12 | 18.9 | 17.5 | 20.5 | 0.87 | 19.0 | 17.8 | 21.3 | 0.76 |
| Crude Fibre, % (db) | 6.2 | 5.2 | 7.4 | 0.65 | 6.2 | 5.7 | 6.8 | 0.40 | 6.1 | 4.9 | 7.6 | 0.55 |
| Ash, % (db) | 4.63 | 4.41 | 5.06 | 0.18 | 4.46 | 4.35 | 4.78 | 0.10 | 4.46 | 4.25 | 4.65 | 0.09 |
| ***Number of samples*** | ***11*** | | | | ***18*** | | | | ***28*** | | | |

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (31) Mpumalanga Central Region | | | | (32) Mpumalanga Western Region | | | | (33) Mpumalanga Northern Region | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Bakenlaagte (Bunkers)<br>Bethal (Bins)<br>Brakfontein (Bunkers)<br>Devon (Bins)<br>Kinross (Bins/Bunkers)<br>Klipfontein (Bunkers)<br>Leslie (Bins)<br>Palmietfontein (Bunkers)<br>Trichardt (Bins)<br>Vaalkrantz (Bunkers) | | | | Argent (Bins/Bunkers)<br>Dryden (Bins)<br>Eloff (Bins)<br>Endicott (Bins)<br>Hawerklip (Bins)<br>Kendal (Bins)<br>Ogies (Bins)<br>Vlakfontein (Bunkers) | | | | Arnot (Bins)<br>Driefontein (Bins)<br>Lydenburg Bins)<br>Marble Hall (Bins)<br>Middelburg (Bins)<br>Pan (Bins)<br>Stoffberg (Bins)<br>Wonderfontein (Bins) | | | |
| ***Grading:*** | **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), % | 1.44 | 0.20 | 4.16 | 1.75 | 0.76 | 0.32 | 1.34 | 0.32 | 0.82 | 0.00 | 1.40 | 0.54 |
| (c) Other grain, % | 0.25 | 0.00 | 0.92 | 0.41 | 0.13 | 0.00 | 0.46 | 0.18 | 0.24 | 0.00 | 0.80 | 0.30 |
| (d) Sunflower seed, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.04 | 0.01 |
| (e) Stones, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (f) Sclerotia, % | 0.04 | 0.00 | 0.08 | 0.03 | 0.07 | 0.00 | 0.16 | 0.04 | 0.07 | 0.00 | 0.12 | 0.05 |
| (g) Soybeans and parts of Soybeans above the 1.8 mm slotted sieve which pass through the 4.75 mm round hole sieve, % | 1.61 | 0.06 | 2.69 | 0.97 | 0.98 | 0.50 | 2.24 | 0.50 | 1.16 | 0.16 | 3.02 | 0.91 |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 1.95 | 0.24 | 3.76 | 1.38 | 1.66 | 1.00 | 2.08 | 0.38 | 2.38 | 0.60 | 5.38 | 1.51 |
| (i) Soiled Soybeans, % | 1.73 | 0.00 | 7.94 | 2.85 | 2.16 | 0.00 | 9.34 | 2.63 | 3.12 | 0.18 | 12.34 | 4.29 |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 1.48 | 0.20 | 4.20 | 1.76 | 0.83 | 0.42 | 1.40 | 0.32 | 0.89 | 0.00 | 1.50 | 0.57 |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 1 | 0 | 5 | 2.44 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 1.77 |
| ***Number of samples*** | ***7*** | | | | ***10*** | | | | ***8*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 7.1 | 6.7 | 7.5 | 0.28 | 6.9 | 6.5 | 7.3 | 0.27 | 7.1 | 6.8 | 7.5 | 0.27 |
| Crude protein, % (db) | 40.13 | 37.92 | 41.67 | 1.27 | 40.23 | 38.95 | 42.39 | 1.02 | 41.12 | 40.06 | 42.24 | 0.99 |
| Crude fat, % (db) | 19.2 | 17.7 | 20.1 | 0.80 | 19.4 | 18.7 | 20.0 | 0.42 | 19.5 | 18.8 | 20.4 | 0.69 |
| Crude Fibre, % (db) | 5.7 | 4.4 | 6.3 | 0.65 | 5.9 | 5.3 | 6.9 | 0.55 | 6.0 | 5.4 | 7.1 | 0.52 |
| Ash, % (db) | 4.53 | 4.42 | 4.64 | 0.08 | 4.59 | 4.53 | 4.68 | 0.06 | 4.50 | 4.37 | 4.69 | 0.09 |
| ***Number of samples*** | ***7*** | | | | ***10*** | | | | ***8*** | | | |

# SOUTH AFRICAN REGIONAL SOYBEAN QUALITY

| PRODUCTION REGION | (34) Gauteng | | | | (35) Limpopo | | | | (36) KwaZulu-Natal | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Silo/Intake stands (Type of storage) | Bloekomspruit (Bins)<br>Bronkhorstspruit (Bins)<br>Glenroy (Bins)<br>Goeie Hoek (Bins)<br>Kaalfontein (Bins)<br>Kliprivier (Bunkers)<br>Meyerton (Bunkers)<br>Middelvlei (Bins)<br>Nigel (Bins)<br>Oberholzer (Bins)<br>Pretoria Wes (Bins)<br>Raathsvlei (Bins)<br>Vogelvallei (Bunkers) | | | | Alma (Bins)<br>Lehau (Bins)<br>Naboomspruit (Mookgophong)(Bins)<br>Northam (Bins)<br>Nutfield (Bins)<br>Nylstroom (Modimolle) (Bins)<br>Potgietersrus (Mokopane) (Bins)<br>Roedtan (Bins)<br>Settlers (Bins)<br>Warmbad (Bela-Bela) (Bins) | | | | Bergville (Bins/Bunkers)<br>Bloedrivier (Bins)<br>Dannhauser (Bins)<br>Dundee (Bins)<br>Mizpah (Bins)<br>Paulpietersburg (Bins)<br>Pietermaritzburg (Bins)<br>Vryheid (Bins)<br>Winterton (Bins/Bunkers) | | | |
| ***Grading:*** | **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), % | 1.43 | 0.06 | 5.50 | 1.68 | 0.58 | 0.36 | 0.80 | 0.19 | 0.65 | 0.02 | 2.96 | 0.92 |
| (c) Other grain, % | 0.05 | 0.00 | 0.36 | 0.11 | 0.11 | 0.00 | 0.16 | 0.08 | 0.17 | 0.00 | 1.20 | 0.39 |
| (d) Sunflower seed, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.08 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| (e) Stones, % | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| (f) Sclerotia, % | 0.05 | 0.00 | 0.12 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 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, % | 2.02 | 0.20 | 7.83 | 2.05 | 1.20 | 0.30 | 1.95 | 0.68 | 0.60 | 0.08 | 1.32 | 0.50 |
| (h) Defective Soybeans on the 4.75 mm round hole sieve, % | 0.98 | 0.23 | 1.80 | 0.49 | 2.74 | 1.64 | 4.18 | 1.06 | 1.90 | 0.70 | 4.38 | 1.17 |
| (i) Soiled Soybeans, % | 1.41 | 0.00 | 4.60 | 1.61 | 3.54 | 1.00 | 6.00 | 2.42 | 2.11 | 0.38 | 5.10 | 1.67 |
| (j) Deviations in (b) and (f) collectively: Provided that such deviations are individually within the limits of said items, % | 1.48 | 0.06 | 5.55 | 1.69 | 0.58 | 0.36 | 0.80 | 0.19 | 0.67 | 0.02 | 2.96 | 0.92 |
| Poisonous seeds *(Crotalaria sp., Datura sp., Ricinis communis)* | 0 | 0 | 5 | 1.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poisonous seeds *(Argemone mexicana L., Convolvulus sp., Ipomoea purpurea Roth., Lolium temulentum, Xanthium sp.)* | 0 | 0 | 5 | 1.51 | 3 | 0 | 10 | 5.00 | 0 | 0 | 0 | 0 |
| ***Number of samples*** | ***11*** | | | | ***4*** | | | | ***9*** | | | |
| ***Nutritional analysis:*** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** | **ave** | **min** | **max** | **stdev** |
| Moisture, % (17 hr, 103 °C) | 6.9 | 6.7 | 7.1 | 0.11 | 7.6 | 6.6 | 9.3 | 1.20 | 7.1 | 6.4 | 7.4 | 0.30 |
| Crude protein, % (db) | 39.82 | 37.59 | 41.37 | 1.12 | 41.51 | 40.76 | 42.33 | 0.65 | 40.27 | 38.89 | 42.70 | 1.08 |
| Crude fat, % (db) | 19.2 | 17.9 | 20.3 | 0.80 | 21.4 | 21.3 | 21.5 | 0.08 | 21.1 | 20.5 | 23.0 | 0.76 |
| Crude Fibre, % (db) | 6.1 | 4.9 | 7.4 | 0.74 | 5.3 | 4.7 | 5.6 | 0.41 | 5.7 | 5.1 | 6.2 | 0.37 |
| Ash, % (db) | 4.51 | 4.34 | 4.68 | 0.12 | 5.03 | 4.96 | 5.07 | 0.05 | 4.69 | 4.55 | 4.95 | 0.12 |
| ***Number of samples*** | ***11*** | | | | ***4*** | | | | ***9*** | | | |