



NAMMC

Promoting market access for South African agriculture



South African Supply and Demand Estimates

January 2023 Report



**GRAIN & OILSEEDS SUPPLY & DEMAND
ESTIMATES COMMITTEE (S&DEC)**

**SASDE – 116th meeting held on
27 January 2023**



The NAMC, Maize Trust, Oil and Protein Seeds Development Trust, Sorghum Trust and Winter Cereal Trust jointly fund the Grain and Oilseeds Supply & Demand Estimates (S&DE) initiative



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THE SOUTH AFRICAN SUPPLY AND DEMAND PROJECTIONS FOR GRAINS AND OILSEEDS FOR JANUARY 2023 ARE AS FOLLOWS:

WHITE MAIZE (2022/23 Season)

Supply: The total supply of white maize is projected at 9 179 099 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 May 2022) of 1 465 537 tons and local commercial deliveries of 7 559 750 tons. Whole white maize imports are estimated at 0 tons for the season, early deliveries of 138 812 tons and a surplus of 15 000 tons.

Demand: The total demand (domestic plus exports) for white maize is projected at 7 825 200 tons. The total domestic demand is projected at 6 455 200 tons. This includes 4 740 000 tons processed for human consumption, 1 680 000 tons processed for animal and industrial consumption, 11 200 tons for gristing, 12 000 tons withdrawn by producers, 7 000 tons released to end-consumers and a balancing figure of 5 000 tons (net receipts and net dispatches). A projected export quantity of 170 000 tons of processed products and 1 200 000 tons of white whole maize is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 30 April 2023 is estimated at 1 353 899 tons. At an average processed quantity of 535 933 tons per month, this represents available stock levels for 2.5 months or 77 days.

Please note: When utilizing 45 days' stock as a proxy, there is potential for 1 760 000 tons of white maize available for exports for the 2022/23 marketing season (provided there is efficient logistical capacity). Keep in mind that, as of 20 January 2023, 738 490 tons have already been exported (weekly SAGIS figures).

YELLOW MAIZE (2022/23 Season)

Supply: The total supply of yellow maize is projected at 7 915 272 tons for the 2022/23 marketing season. This includes an opening stock (at 1 May 2022) of 658 682 tons and local commercial deliveries of 7 187 450 tons. No yellow maize imports estimated for the season, early deliveries of 52 140 tons and a surplus of 17 000 tons.

Demand: The total demand (domestic plus exports) for yellow maize is projected at 7 131 000 tons. The total domestic demand is projected at 4 906 000 tons. This includes 550 000 tons processed for human consumption, 4 280 000 tons processed for animal and industrial consumption, 6 000 tons for gristing, 23 000 tons withdrawn by producers, 42 000 tons released to end-consumers and a balancing figure of 5 000 tons (net receipts and net dispatches). A projected export quantity of 175 000 tons of processed products and 2 050 000 tons of yellow whole maize is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 30 April 2023 is estimated at 784 272 tons. At an average processed quantity of 403 000 tons per month, this represents available stock levels for 1.9 months or 59 days.

Please note: When utilizing 45 days' stock as a proxy, there is potential for 2 238 000 tons of yellow maize available for exports for the 2022/23 marketing season (provided there is efficient logistical capacity). Keep in mind that, as of 20 January 2023, 1 764 463 tons have already been exported (weekly SAGIS figures).

TOTAL MAIZE (2022/23 Season)

Supply: The total supply of maize is projected at 17 094 371 tons for the 2022/23 marketing season. This includes an opening stock (at 1 May 2022) of 2 124 219 tons and local commercial deliveries of 14 747 200 tons. No imports are expected, early deliveries of 190 952 tons and a surplus of 32 000 tons.

Demand: The total demand (domestic plus exports) for maize is projected at 14 956 200 tons. The total domestic demand is projected at 11 361 200 tons. This includes 5 290 000 tons processed for human consumption, 5 960 000 tons processed for animal and industrial consumption, 17 200 tons for gristing, 35 000 tons withdrawn by producers, 49 000 tons released to end-consumers and a balancing figure of 10 000 tons (net receipts and net dispatches). A projected export quantity of 345 000 tons of processed products and 3 250 000 tons of total whole maize is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 30 April 2023 is estimated at 2 138 171 tons. At an average processed quantity of 938 933 tons per month, this represents available stock levels for 2.3 months or 69 days.

See Appendix 1 for detailed S&D table. An explanation of terms and calculations is available on the NAMC website (<https://www.namc.co.za/category/research-publications/supply-demand-estimates/>).

SWEET SORGHUM (2022/23 Season)

Supply: The total supply of sweet sorghum is projected at 136 826 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 March 2022) of 51 986 tons, local commercial deliveries of 74 140 tons, imports of 700 tons for South Africa and a sweet sorghum surplus of 10 000 tons.

Demand: The total demand (domestic plus exports) for sweet sorghum is projected at 104 050 tons. This includes 1 000 tons for indoor malting, 5 700 tons for floor malting, 68 000 tons for meal, rice and grits, 20 800 tons for feed, 400 tons withdrawn by producers, 350 tons released to end consumers, and a balancing figure of 600 tons (net receipts and net dispatches). A projected export quantity of 7 200 tons of sweet sorghum is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 28 February 2023 is estimated at 32 776 tons. At an average processed quantity of 7 958 tons per month, this represents available stock levels for 4.1 months or 125 days.

BITTER SORGHUM (2022/23 Season)

Supply: The total supply of bitter sorghum is projected 79 271 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 March 2022) of 54 171 tons, local commercial deliveries of 25 000 tons, no bitter sorghum imports and a surplus of 100 tons for South Africa.

Demand: The total demand (domestic plus exports) for bitter sorghum is projected at 69 130 tons. This includes 12 500 tons for indoor malting, 45 000 tons for floor malting, 2 000 tons for meal, rice and grits, 6 305 tons for feed, 1 000 tons withdrawn by producers, 100 tons released to end consumers, a balancing figure of 25 tons (net receipts and net dispatches), and a zero deficit. A projected export quantity of 2 200 tons of bitter sorghum is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 28 February 2023 is estimated at 10 141 tons. At an average processed quantity of 5 484 tons per month, this represents available stock levels for 1.8 months or 56 days.

TOTAL SORGHUM (2022/23 Season)

Supply: The total supply of sorghum is projected at 216 097 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 March 2022) of 106 157 tons, local commercial deliveries of 99 140 tons, sorghum imports of 700 tons for South Africa with a surplus of 10 100 tons.

Demand: The total demand (domestic plus exports) for sorghum is projected at 173 180 tons. This includes 13 500 tons for indoor malting, 50 700 tons for floor malting, 70 000 tons for meal, rice and grits, 27 105 tons for feed, 1 400 tons withdrawn by producers, 450 tons released to end consumers, a balancing figure of 625 tons (net receipts and net dispatches), and a zero deficit. A projected export quantity of 9 400 tons of total sorghum is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 28 February 2023 is estimated at 42 917 tons. At an average processed quantity of 13 442 tons per month, this represents available stock levels for 3.2 months or 97 days.

See Appendix 2 for detailed S&D table.

WHEAT (2022/23 Season)

Supply: The total supply of wheat is projected at 4 221 123 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 October 2022) of 625 083 tons, local commercial deliveries of 2 136 540 tons, whole wheat imports estimated for South Africa of 1 450 000 tons and a surplus of 9 500 tons.

Demand: The total demand (domestic plus exports) for wheat is projected at 3 637 200 tons. This includes 3 370 000 tons processed for human consumption, 15 000 tons processed for animal consumption, 4 800 tons withdrawn by producers, 1 400 tons released to end consumers, 19 500 tons projected seed for planting purposes and a balancing figure of 3 500 tons (net receipts and net dispatches). A projected export quantity of 28 000 tons processed products and 195 000 tons whole wheat is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 30 September 2023 is estimated at 583 923 tons. At an average processed quantity of 282 083 tons per month, this represents available stock levels for 2.1 months or 63 days.

See Appendix 3 for detailed S&D table.

SUNFLOWER SEED (2022/23 Season)

Supply: The total supply of sunflower seed is projected at 891 840 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 March 2022) of 31 790 tons, local commercial deliveries of 845 550 tons, sunflower seed imports of 7 000 tons for South Africa and a surplus of 7 500 tons.

Demand: The total demand (domestic plus exports) for sunflower seed is projected at 831 870 tons. This includes 1 600 tons processed for human consumption, 6 000 tons processed for animal consumption, 820 000 tons for crush (oil and oilcake), 1 200 tons withdrawn by producers, 150 tons released to end consumers, 2 000 tons seed for planting purposes and a balancing figure of 700 tons

(net receipts and net dispatches). A quantity of 220 tons is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 28 February 2023 is estimated at 59 970 tons. At an average processed quantity of 68 967 tons per month, this represents available stock levels for 0.9 months or 26 days.

See Appendix 4 for detailed S&D table.

SOYBEANS (2022/23 Season)

Supply: The total supply of soybeans is projected at 2 346 887 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 March 2022) of 168 387 tons, local commercial deliveries of 2 169 000 tons, 5 000 tons of soybean imports for South Africa and a surplus of 4 500 tons.

Demand: The total demand (domestic plus exports) for soybeans is projected at 2 163 750 tons. This includes 23 000 tons processed for human consumption, 200 000 tons processed for animal (full fat) feed, 1 650 000 tons for crush (oil and oilcake), 100 tons withdrawn by producers, 150 tons released to end consumers, 10 000 tons seed for planting purposes, and a balancing figure of 500 tons (net receipts and net dispatches). A quantity of 280 000 tons soybeans is estimated for exports for the 2022/23 marketing season.

Stock levels: The projected closing stock level for 28 February 2023 is estimated at 183 137 tons. At an average processed quantity of 156 083 tons per month, this represents available stock levels for 1.2 months or 36 days.

Please note that the carry over stock is the estimated closing stock for the 2022/23 marketing year as at the end of February 2023. This should be taken into consideration when calculating the availability for the new marketing year until the new crop is delivered.

See Appendix 5 for detailed S&D table.

PLEASE NOTE:

The February SASDE Report will be released on 3 March 2023.

Appendix 1: Detailed S & D table for White, Yellow and Total Maize: January 2023

		White Maize	White Maize	Yellow Maize	Yellow Maize	Total Maize	Total Maize
	Marketing season	Final for 2021/22	Projection for 2022/23	Final for 2021/22	Projection for 2022/23	Final for 2021/22	Projection for 2022/23
		tons	tons	tons	tons	tons	tons
1	CEC (Crop Estimate)	8 600 000	7 789 750	7 715 000	7 597 450	16 315 000	15 387 200
2	CEC (Retention)	202 000	230 000	422 000	410 000	624 000	640 000
3	Min: Early deliveries for current season (March + April)	437 036	141 188	520 271	272 860	957 307	414 048
4	Plus: Early deliveries for next season (March + April)**	141 188	280 000	272 860	325 000	414 048	605 000
5	Available for the commercial market	8 102 152	7 698 562	7 045 589	7 239 590	15 147 741	14 938 152
6	SUPPLY						
7	Opening stock (1 May)	1 354 953	1 465 537	761 953	658 682	2 116 906	2 124 219
8	Producer deliveries	8 135 392	7 559 750	7 131 170	7 187 450	15 266 562	14 747 200
9	Imports	7 583	0	0	0	7 583	0
10	Early deliveries (Net)*	0	138 812	0	52 140	0	190 952
11	Surplus	25 495	15 000	17 894	17 000	43 389	32 000
12	Total Supply	9 523 423	9 179 099	7 911 017	7 915 272	17 434 440	17 094 371
13	DEMAND						
14	Processed for the local market	7 116 774	6 431 200	3 963 926	4 836 000	11 087 127	11 267 200
15	- human	4 697 765	4 740 000	474 216	550 000	5 171 981	5 290 000
16	- animal and industrial	2 407 049	1 680 000	3 490 822	4 280 000	5 897 871	5 960 000
17	- gristing	11 960	11 200	5 315	6 000	17 275	17 200

18	Withdrawn by producers	13 766	12 000	22 897	23 000	36 663	35 000
19	Released to end-consumers	3 404	7 000	45 478	42 000	48 882	49 000
20	Net receipts(-)/disp(+)	-492	5 000	2 830	5 000	2 338	10 000
21	Deficit	0	0	0	0	0	0
22	Local demand	7 133 452	6 455 200	4 041 558	4 906 000	11 175 010	11 361 200
23	Exports	924 434	1 370 000	3 210 777	2 225 000	4 135 211	3 595 000
24	- products	189 492	170 000	213 733	175 000	403 225	345 000
25	- whole maize	734 942	1 200 000	2 997 044	2 050 000	3 731 986	3 250 000
26	Total Demand	8 057 886	7 825 200	7 252 335	7 131 000	15 310 221	14 956 200
27	Closing Stock (30 Apr)	1 465 537	1 353 899	658 682	784 272	2 124 219	2 138 171
28	- processed p/month	593 065	535 933	330 327	403 000	923 927	938 933
29	- months' stock	2,5	2,5	2,0	1,9	2,3	2,3
30	- days' stock	75	77	61	59	70	69

Appendix 2: Detailed S & D table for Sweet, Bitter and Total Sorghum: January 2023

		Sweet Sorghum	Sweet Sorghum	Bitter Sorghum	Bitter Sorghum	Total Sorghum	Total Sorghum
	Marketing season	Final for 2021/22	Projection for 2022/23	Final for 2021/22	Projection for 2022/23	Final for 2021/22	Projection for 2022/23
		tons	tons	tons	tons	tons	tons
1	CEC (Crop Estimate)	121 000	77 140	94 000	26 000	215 000	103 140
2	CEC Retentions	0	3 000	0	1 000	0	4 000
3	Available for the commercial market	121 000	74 140	94 000	25 000	215 000	99 140
4	SUPPLY						
5	Opening stock (1 March)	25 372	51 986	26 423	54 171	51 795	106 157
6	Prod deliveries	120 359	74 140	93 099	25 000	213 458	99 140
7	Imports for South Africa	4 147	700	0	0	4 147	700
8	Surplus	565	10 000	-330	100	235	10 100
9	Total Supply	150 443	136 826	119 192	79 271	269 635	216 097
10	DEMAND						
11	Processed	89 815	95 500	62 243	65 805	152 058	161 305
12	- Indoor malting	716	1 000	13 388	12 500	14 104	13 500
13	- Floor malting	9 417	5 700	41 447	45 000	50 864	50 700
14	- Meal, rice & grits	70 151	68 000	2 341	2 000	72 492	70 000
15	- Pet Food	633	1 800	0	5	633	1 805
16	- Poultry feed	7 694	7 500	1 332	2 000	9 026	9 500

	Marketing season	Sweet Sorghum	Sweet Sorghum	Bitter Sorghum	Bitter Sorghum	Total Sorghum	Total Sorghum
		Final for 2021/22	Projection for 2022/23	Final for 2021/22	Projection for 2022/23	Final for 2021/22	Projection for 2022/23
		tons	tons	tons	tons	tons	tons
17	- Livestock feed	1 204	11 500	3 735	4 300	4 939	15 800
18	Bio-fuel	0	0	0	0	0	0
19	Withdrawn by prod	519	400	1 418	1 000	1 937	1 400
20	Released to end-cons	523	350	62	100	585	450
21	Net receipts(-)/ disp(+)	68	600	-228	25	-160	625
22	Deficit	0	0	0	0	0	0
23	Exports	7 532	7 200	1 526	2 200	9 058	9 400
24	Total Demand	98 457	104 050	65 021	69 130	163 478	173 180
25	Ending Stock (28/29 Feb)	51 986	32 776	54 171	10 141	106 157	42 917
26	- processed p/month	7 485	7 958	5 187	5 484	12 672	13 442
27	- months' stock	6,9	4,1	10	1,8	8,4	3,2
28	- days' stock	211	125	318	56	255	97

Appendix 3: Detailed S & D table for Wheat: January 2023

		Wheat	Wheat
	Marketing season	Final for 2021/22	Projection for 2022/23
		tons	tons
1	CEC (Crop Estimate)	2 285 000	2 176 540
2	CEC (Retention)	0	40 000

3	SUPPLY		
4	Opening stock (1 Oct)	467 404	625 083
5	Prod deliveries*	2 262 938	2 136 540
6	Imports	1 601 299	1 450 000
7	Surplus	4 448	9 500
8	Total Supply	4 336 089	4 221 123

9	DEMAND		
10	Processed	3 384 445	3 385 000
11	- human	3 364 789	3 370 000
12	- animal	19 656	15 000
13	- gristing	0	0
14	Withdrawn by producers	7 033	4 800
15	Released to end-consumers	1 426	1 400
16	Seed for planting purposes	19 377	19 500
17	Net receipts(-)/disp(+)	1 615	3 500
18	Deficit	0	0
19	Exports	297 110	223 000
20	- products	25 918	28 000
21	- whole wheat	271 192	195 000
22	Total Demand	3 711 006	3 637 200

23	Closing Stock (30 Sep)	625 083	583 923
24	- processed p/month	282 037	282 083
25	- months' stock	2,2	2,1
26	- days' stock	67	63

Appendix 4: Detailed S & D table for Sunflower Seed: January 2023

		Sunflower Seed	Sunflower Seed
	Marketing season	Final for 2021/22	Projection for 2022/23
		tons	tons
1	CEC (Crop Estimate)	678 000	845 550
2	SUPPLY		
3	Opening stock (1 March)	60 964	31 790
4	Prod deliveries	689 083	845 550
5	Imports for South Africa	1 256	7 000
6	Surplus	9 306	7 500
7	Total Supply	760 609	891 840
8	DEMAND		
9	Processed	724 949	827 600
10	- human	1 556	1 600
11	- animal	6 129	6 000
12	- crush (oil and oilcake)	717 264	820 000
13	Withdrawn by producers	359	1 200
14	Released to end-consumers	666	150
15	Seed for planting purposes	2 495	2 000
16	Net receipts(-)/disp(+)	133	700
17	Deficit	0	0
18	Exports	217	220
19	Total Demand	728 819	831 870
20	Ending Stock (28/29 Feb)	31 790	59 970
21	- processed p/month	60 412	68 967
22	- months' stock	0,5	0,9
23	- days' stock	16	26

Appendix 5: Detailed S & D table for Soybeans: January 2023

		Soybeans	Soybeans
	Marketing season	Final for 2021/22	Projection for 2022/23
		tons	tons
1	CEC (Crop Estimate)	1 897 000	2 201 000
2	Retention	0	32 000

3	SUPPLY		
4	Opening stock (1 March)	46 053	168 387
5	Prod deliveries	1 868 772	2 169 000
6	Imports for South Africa	13 448	5 000
7	Surplus	4 289	4 500
8	Total Supply	1 932 562	2 346 887

9	DEMAND		
10	Processed	1 710 221	1 873 000
11	- human	22 279	23 000
12	- animal feed (full fat soya)	167 480	200 000
13	- crush (oil/oilcake)	1 520 462	1 650 000
14	Withdrawn by producers	196	100
15	Released to end-consumers	123	150
16	Seed for planting purposes	11 079	10 000
17	Net receipts(-)/disp(+)	261	500
18	Deficit	0	0
19	Exports	42 295	280 000
20	Total Demand	1 764 175	2 163 750

21	Closing Stock (28/29 Feb)	168 387	183 137
22	- processed p/month	142 518	156 083
23	- months' stock	1,2	1,2
24	- days stock	36	36



South African Supply and Demand Estimates



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For further clarification pertaining to the definitions of the selected items contained in the South African Supply and Demand Estimates (SASDE) Report, kindly visit: <https://www.namc.co.za/wp-content/uploads/2020/03/Definitions-for-selected-items-of-the-SASDE-Report-revised-March-2020.pdf>

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- Members must regard the detail of any information that was collected for and/or discussed during the meeting, as confidential.

Compiled by the South African Grain & Oilseeds Supply & Demand Estimates Committee

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