



Supply and Demand Estimates

May 2022 Report



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

SASDE – 108th meeting held on 31 May 2022



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







THE SOUTH AFRICAN SUPPLY AND DEMAND PROJECTIONS FOR GRAINS AND OILSEEDS FOR MAY 2022 ARE AS FOLLOWS:

WHITE MAIZE (2022/23 Season)

Supply: The total supply of white maize is projected at 8 986 923 tons for the 2022/23 marketing season. This includes an opening stock level (at 1 May 2022) of 1 463 558 tons and local commercial deliveries of 7 353 050 tons. Whole white maize imports are estimated at 0 tons for the season, early deliveries of 160 315 tons and a surplus of 10 000 tons.

Demand: The total demand (domestic plus exports) for white maize is projected at 8 127 500 tons. The total domestic demand is projected at 7 347 500 tons. This includes 4 860 000 tons processed for human consumption, 2 450 000 tons processed for animal and industrial consumption, 11 500 tons for gristing, 12 000 tons withdrawn by producers, 9 000 tons released to end-consumers and a balancing figure of 5 000 tons (net receipts and net dispatches). A projected export quantity of 180 000 tons of processed products and 600 000 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 859 423 tons. At an average processed quantity of 610 125 tons per month, this represents available stock levels for 1.4 months or 43 days.

YELLOW MAIZE (2022/23 Season)

Supply: The total supply of yellow maize is projected at 7 569 664 tons for the 2022/23 marketing season. This includes an opening stock (at 1 May 2022) of 662 890 tons and local commercial deliveries of 6 760 300 tons. No yellow maize imports estimated for the season, early deliveries of 128 474 tons and a surplus of 18 000 tons.

Demand: The total demand (domestic plus exports) for yellow maize is projected at 6 687 000 tons. The total domestic demand is projected at 4 202 000 tons. This includes 500 000 tons processed for human consumption, 3 600 000 tons processed for animal and industrial consumption, 6 000 tons for gristing, 30 000 tons withdrawn by producers, 60 000 tons released to end-consumers and a balancing figure of 6 000 tons (net receipts and net dispatches). A projected export quantity of 185 000 tons of processed products and 2 300 000 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 882 664 tons. At an average processed quantity of 342 167 tons per month, this represents available stock levels for 2.6 months or 78 days.

Please note: When utilizing 45 days' stock as a proxy, there is potential for 2 676 000 tons of yellow maize available for exports for the 2022/23 marketing season (provided there is efficient logistical capacity).

TOTAL MAIZE (2022/23 Season)

Supply: The total supply of maize is projected at 16 556 587 tons for the 2022/23 marketing season. This includes an opening stock (at 1 May 2022) of 2 126 448 tons and local commercial deliveries of 14 113 350 tons. No imports are expected, early deliveries of 288 789 tons and a surplus of 28 000 tons.

Demand: The total demand (domestic plus exports) for maize is projected at 14 814 500 tons. The total domestic demand is projected at 11 549 500 tons. This includes 5 360 000 tons processed for human

consumption, 6 050 000 tons processed for animal and industrial consumption, 17 500 tons for gristing, 42 000 tons withdrawn by producers, 69 000 tons released to end-consumers and a balancing figure of 11 000 tons (net receipts and net dispatches). A projected export quantity of 365 000 tons of processed products and 2 900 000 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 1 742 087 tons. At an average processed quantity of 952 292 tons per month, this represents available stock levels for 1.8 months or 56 days.

See Appendix 1 for detailed S&D table. An explanation of terms and calculations is available on the NAMC website (<u>http://www.namc.co.za</u>).

SWEET SORGHUM (2022/23 Season)

Supply: The total supply of sweet sorghum is projected at 139 686 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 82 000 tons, imports of 5 000 tons for South Africa and a sweet sorghum surplus of 700 tons.

Demand: The total demand (domestic plus exports) for sweet sorghum is projected at 96 450 tons. This includes 650 tons for indoor malting, 9 000 tons for floor malting, 70 000 tons for meal, rice and grits, 9 400 tons for feed, 550 tons withdrawn by producers, 550 tons released to end consumers, and a balancing figure of 300 tons (net receipts and net dispatches). A projected export quantity of 6 000 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 43 236 tons. At an average processed quantity of 7 421 tons per month, this represents available stock levels for 6 months or 177 days.

BITTER SORGHUM (2022/23 Season)

Supply: The total supply of bitter sorghum is projected 108 991 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 54 520 tons, no bitter sorghum imports and a surplus of 300 tons for South Africa.

Demand: The total demand (domestic plus exports) for bitter sorghum is projected at 63 755 tons. This includes 10 000 tons for indoor malting, 45 000 tons for floor malting, 2 600 tons for meal, rice and grits, 3 505 tons for feed, 1 000 tons withdrawn by producers, 100 tons released to end consumers, a balancing figure of 50 tons (net receipts and net dispatches), and a zero deficit. A projected export quantity of 1 500 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 45 236 tons. At an average processed quantity of 5 092 tons per month, this represents available stock levels for 9 months or 270 days.

TOTAL SORGHUM (2022/23 Season)

Supply: The total supply of sorghum is projected at 248 677 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 136 520 tons, sorghum imports of 5 000 tons for South Africa with a surplus of 1 000 tons.

Demand: The total demand (domestic plus exports) for sorghum is projected at 160 205 tons. This includes 10 650 tons for indoor malting, 54 000 tons for floor malting, 72 600 tons for meal, rice and grits, 12 905 tons for feed, 1 550 tons withdrawn by producers, 650 tons released to end consumers, a

balancing figure of 350 tons (net receipts and net dispatches), and a zero deficit. A projected export quantity of 7 500 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 88 472 tons. At an average processed quantity of 12 513 tons per month, this represents available stock levels for 7 months or 215 days.

See Appendix 2 for detailed S&D table.

WHEAT (2021/22 Season)

Supply: The total supply of wheat is projected at 4 197 404 tons for the 2021/22 marketing season. This includes an opening stock level (at 1 October 2021) of 467 404 tons, local commercial deliveries of 2 245 000 tons, whole wheat imports estimated for South Africa of 1 475 000 tons and a surplus of 10 000 tons.

Demand: The total demand (domestic plus exports) for wheat is projected at 3 577 100 tons. This includes 3 340 000 tons processed for human consumption, 17 000 tons processed for animal consumption, 8 000 tons withdrawn by producers, 1 600 tons released to end consumers, 22 000 tons projected seed for planting purposes and a balancing figure of 4 500 tons (net receipts and net dispatches). A projected export quantity of 24 000 tons processed products and 160 000 tons whole wheat is estimated for exports for the 2021/22 marketing season.

Stock levels: The projected closing stock level for 30 September 2022 is estimated at 620 304 tons. At an average processed quantity of 279 750 tons per month, this represents available stock levels for 2.2 months or 67 days.

See Appendix 3 for detailed S&D table.

SUNFLOWER SEED (2022/23 Season)

Supply: The total supply of sunflower seed is projected at 1 003 040 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 963 000 tons, sunflower seed imports of 750 tons for South Africa and a surplus of 7 500 tons.

Demand: The total demand (domestic plus exports) for sunflower seed is projected at 862 290 tons. This includes 1 550 tons processed for human consumption, 5 700 tons processed for animal consumption, 850 000 tons for crush (oil and oilcake), 520 tons withdrawn by producers, 1 100 tons released to end consumers, 2 500 tons seed for planting purposes and a balancing figure of 500 tons (net receipts and net dispatches). A quantity of 420 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 140 750 tons. At an average processed quantity of 71 438 tons per month, this represents available stock levels for 2.0 months or 60 days.

See Appendix 4 for detailed S&D table.

SOYBEANS (2022/23 Season)

Supply: The total supply of soybeans is projected at 2 092 087 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 1 898 700 tons, 20 000 tons of soybean imports for South Africa and a surplus of 5 000 tons.

Demand: The total demand (domestic plus exports) for soybeans is projected at 1 809 400 tons. This includes 22 000 tons processed for human consumption, 185 000 tons processed for animal (full fat) feed, 1 550 000 tons for crush (oil and oilcake), 500 tons withdrawn by producers, 400 tons released to end consumers, 11 000 tons seed for planting purposes, and a balancing figure of 500 tons (net receipts and net dispatches). A quantity of 40 000 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 282 687 tons. At an average processed quantity of 146 417 tons per month, this represents available stock levels for 1.9 months or 59 days.

See Appendix 5 for detailed S&D table.

PLEASE NOTE: The June 2022 SASDE Report will be released on 30 June 2022.

Appendix 1: Detailed S & D table for White, yellow and Total Maize: May 2022

		White Maize	White Maize	White Maize	Yellow Maize	Yellow Maize	Yellow Maize	Total Maize	Total Maize	Total Maize
	Marketing season	Final for 2020/21	Projected final for 2021/22*	Projection for 2022/23	Final for 2020/21	Projected final for 2021/22*	Projection for 2022/23	Final for 2020/21	Projected final for 2021/22*	Projection for 2022/23
		tons	tons	tons	tons	tons	tons	tons	tons	tons
1	CEC (Crop Estimate)	8 547 500	8 600 000	7 553 050	6 752 500	7 715 000	7 170 300	15 300 000	16 315 000	14 723 350
2	CEC (Retention)	240 000	202 000	200 000	440 000	422 000	410 000	680 000	624 000	610 000
3	Min: Early deliveries for current season (March + April)	131 241	437 036	139 685	216 491	520 271	271 526	347 732	957 307	411 211
4	Plus: Early deliveries for next season (March + April)**	437 036	139 685	300 000	512 109	271 526	400 000	949 145	411 211	700 000
5	Available for the commercial market	8 613 295	8 100 649	7 513 365	6 608 118	7 044 255	6 888 774	15 221 413	15 144 904	14 402 139

6	SUPPLY								
7	Opening stock (1 May)	473 964	1 354 953	1 463 558	526 637	761 953	662 890	1 000 601	
8	Producer deliveries	8 606 334	8 133 036	7 353 050	6 672 649	7 129 115	6 760 300	15 278 983	
9	Imports	0	7 583	0	463	0	0	463	
10	Early deliveries (Net)*	0	0	160 315	0	0	128 474	0	
11	Surplus	11 215	25 555	10 000	8 864	18 143	18 000	20 079	
12	Total Supply	9 091 513	9 521 127	8 986 923	7 208 613	7 909 211	7 569 664	16 300 126	

16 300 126	17 430 338	16 556 587
20 079	43 698	28 000
0	0	288 789
463	7 583	0
15 278 983	15 262 151	14 113 350
1 000 601	2 116 906	2 126 448

13	DEMAND			
14	Processed for the local market	6 410 756	7 121 914	7 321 500
15	- human	5 073 886	4 705 255	4 860 000
16	- animal and industrial	1 325 959	2 404 699	2 450 000
17	- gristing	10 911	11 960	11 500
18	Withdrawn by producers	10 089	14 308	12 000

4 960 599	3 963 926	4 106 000
583 950	473 578	500 000
4 201 690	3 485 033	3 600 000
4 806	5 315	6 000
25 647	22 897	30 000

11 201 202	11 085 840	11 427 500
5 657 836	5 178 833	5 360 000
5 527 649	5 889 732	6 050 000
15 717	17 275	17 500
35 736	37 205	42 000

19	Released to end-consumers	5 827	3 404	9 000	63 502	45 451	60 000	69 329	48 855	69 000
20	Net receipts(-)/disp(+)	5 413	1 396	5 000	3 750	5 324	6 000	9 163	6 720	11 000
21	Deficit	0	0	0	0	0	0	0	0	0
22	Local demand	6 432 085	7 141 022	7 347 500	4 883 345	4 037 598	4 202 000	11 315 430	11 178 620	11 549 500
23	Exports	1 304 475	916 547	780 000	1 563 315	3 208 723	2 485 000	2 867 790	4 125 270	3 265 000
24	- products	182 824	181 557	180 000	138 102	211 699	185 000	320 926	393 256	365 000
25	- whole maize	1 121 651	734 990	600 000	1 425 213	2 997 024	2 300 000	2 546 864	3 732 014	2 900 000
26	Total Demand	7 736 560	8 057 569	8 127 500	6 446 660	7 246 321	6 687 000	14 183 220	15 303 890	14 814 500
<u> </u>					· · · · · · · · · · · · · · · · · · ·	•				
27	Closing Stock (30 Apr)	1 354 953	1 463 558	859 423	761 953	662 890	882 664	2 116 906	2 126 448	1 742 087

~.		1 004 000	1 400 000	000 420
28	 processed p/month 	534 230	593 493	610 125
29	- months' stock	2,5	2,5	1,4
30	- days' stock	77	75	43

761 953	662 890	882 664
399 204	330 327	342 167
1,9	2,0	2,6
58	61	78

	2 116 906	2 126 448	1 742 087
	933 434	923 820	952 292
	2,3	2,3	1,8
	69	70	56

SUPPLY & DEMAND ESTIMATES

		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	82 400	94 000	54 820	215 000	137 220
2	CEC Retentions	0	400	0	300	0	700
3	Available for the commercial market	121 000	82 000	94 000	54 520	215 000	136 520

4	SUPPLY		
5	Opening stock (1 Mch)	25 372	51 986
6	Prod deliveries	120 359	82 000
7	Imports for South Africa	4 147	5 000
8	Surplus	565	700
9	Total Supply	150 443	139 686

	119 192	108 991		269 635	248 677
	-330	300		235	1 000
	0	0		4 147	5 000
	93 099	54 520		213 458	136 520
	26 423	54 171		51 795	106 157
-			1		

10	DEMAND		
11	Processed	89 815	89 050
12	- Indoor malting	716	650
13	- Floor malting	9 417	9 000
14	- Meal, rice & grits	70 151	70 000
15	- Pet Food	633	600
16	- Poultry feed	7 694	7 300

62 243	61 105	152 058	150 155
13 388	10 000	14 104	10 650
41 447	45 000	50 864	54 000
2 341	2 600	72 492	72 600
0	5	633	605
1 332	1 000	9 026	8 300

SUPPLY & DEMAND ESTIMATES

	Marketing season	Sweet Sorghum Final for 2021/22	Sweet Sorghum Projection for 2022/23	Bitter Sorghum Final for 2021/22	Bitter Sorghum Projection for 2022/23	Total Sorghum Final for 2021/22	Total Sorghum Projection for 2022/23
		tons	tons	tons	tons	tons	tons
17	- Livestock feed	1 204	1 500	3 735	2 500	4 939	4 000
18	Bio-fuel	0	0	0	0	0	0
19	Withdrawn by prod	519	550	1 418	1 000	1 937	1 550
20	Released to end-cons	523	550	62	100	585	650
21	Net receipts(-)/ disp(+)	68	300	-228	50	-160	350
22	Deficit	0	0	0	0	0	0
23	Exports	7 532	6 000	1 526	1 500	9 058	7 500
24	Total Demand	98 457	96 450	65 021	63 755	163 478	160 205
25	Ending Stock (28/29 Feb)	51 986	43 236	54 171	45 236	106 157	88 472
26	- processed p/month	7 485	7 421	5 187	5 092	12 672	12 513
27	- months' stock	6,9	6	10	9	8	7
28	- days' stock	211	177	318	270	255	215

SUPPLY & DEMAND ESTIMATES

Appendix 3: Detailed S & D table for Wheat: May 2022

		Wheat	Wheat
	Marketing season	Final for 2020/21	Projection for 2021/22
			tons
1	CEC (Crop Estimate)	2 120 000	2 285 000
2	CEC (Retention)	0	40 000

3	SUPPLY		
4	Opening stock (1 Oct)	364 908	467 404
5	Prod deliveries*	2 077 136	2 245 000
6	Imports	1 516 995	1 475 000
7	Surplus	14 438	10 000
8	Total Supply	3 973 477	4 197 404

9	DEMAND		
10	Processed	3 355 869	3 357 000
11	- human	3 347 677	3 340 000
12	- animal	8 192	17 000
13	- gristing	0	0
14	Withdrawn by producers	4 049	8 000
15	Released to end-consumers	1 453	1 600
16	Seed for planting purposes	20 561	22 000
17	Net receipts(-)/disp(+)	5 653	4 500
18	Deficit	0	0
19	Exports	118 488	184 000
20	- products	27 056	24 000
21	- whole wheat	91 432	160 000
22	Total Demand	3 506 073	3 577 100

23	Closing Stock (30 Sep)	467 404	620 304
24	- processed p/month	279 656	279 750
25	- months' stock	1,7	2,2
26	- days' stock	51	67

Appendix 4: Detailed S	& D table for	Sunflower Seed:	May 2022
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		Sunflower Seed	Sunflower Seed
	Marketing season	Final for 2021/22	Projection for 2022/23
		tons	tons
1	CEC (Crop Estimate)	678 000	963 000
2	SUPPLY		
3	Opening stock (1 March)	60 964	31 790
4	Prod deliveries	689 083	963 000
5	Imports for South Africa	1 256	750
6	Surplus	9 306	7 500
7	Total Supply	760 609	1 003 040
8	DEMAND		
9	Processed	724 949	857 250
10	- human	1 556	1 550
11	- animal	6 129	5 700
12	- crush (oil and oilcake)	717 264	850 000
13	Withdrawn by producers	359	520
14	Released to end-consumers	666	1 100
15	Seed for planting purposes	2 495	2 500
16	Net receipts(-)/disp(+)	133	500
17	Deficit	0	0
18	Exports	217	420
19	Total Demand	728 819	862 290
20	Ending Stock (28/29 Feb)	31 790	140 750
21	- processed p/month	60 412	71 438
22	- months' stock	0,5	2,0
23	- days' stock	16	60

Appendix 5: Detailed S & D table for Soybeans: May 2022

		Soybeans	Soybeans
	Marketing season	Final for 2021/22	Projection for 2022/23
		tons	tons
1	CEC (Crop Estimate)	1 897 000	1 930 700
2	Retention	0	32 000

3	SUPPLY		
4	Opening stock (1 March)	46 053	168 387
5	Prod deliveries	1 868 772	1 898 700
6	Imports for South Africa	13 448	20 000
7	Surplus	4 289	5 000
8	Total Supply	1 932 562	2 092 087

9	DEMAND		
10	Processed	1 710 221	1 757 000
11	- human	22 279	22 000
12	- animal feed (full fat soya)	167 480	185 000
13	- crush (oil/oilcake)	1 520 462	1 550 000
14	Withdrawn by producers	196	500
15	Released to end-consumers	123	400
16	Seed for planting purposes	11 079	11 000
17	Net receipts(-)/disp(+)	261	500
18	Deficit	0	0
19	Exports	42 295	40 000
20	Total Demand	1 764 175	1 809 400

21	Closing Stock (28/29 Feb)	168 387	282 687
22	- processed p/month	142 518	146 417
23	- months' stock	1,2	1,9
24	- days stock	36	59





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: <u>https://www.namc.co.za/wpcontent/uploads/2020/03/Definitions-for-selected-items-of-the-SASDE-Report-revised-March2020.pdf</u>

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- No member is allowed to discuss information with anyone other than a member of the S&DEC before the embargo time;
- Only the NAMC may release the information to the media; and
- 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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