

**Sensitivity analysis of Maize exportable surpluses for the 2022/23 marketing season given different area and yield scenario's**

- Uitvoerbare surplus is surplus bo pyplyn / Exportable is surplus above pipeline
- Geskatte binnelandse verbruik / Estimated local consumption
- Geen Afrika uitvoere by verbruik ingereken nie / No exports included in consumption
- Oordrag voorraad volgens SASDEC skatting / Carry out as per SASDEC estimate

< 1 500 000 ton Low stocks  
> 1 500 000 ton High stocks  
No Surplusses

<b>Mielies / Maize (2022/23)</b>	
NOK Intensies / CEC intentions	2 725 200
Gemiddelde opbrengs / Average yield (ton/ha)	5,70
Oordrag voorraad / Carry out 2021/22 (ton)	2 934 864
Plaaslike verbruik / Local consumption (ton)	11 500 000
Pyplyn voorraad / Pipeline req. (± 1.5 mnde) (ton)	1 437 500

		Oppervlakte / Area Planted (ha)						
		-15%	-10%	-5%	Intentions	+5%	+10%	+15%
Opbrengs Yield (ton/ha)	4,80	1 116 180	1 770 228	2 424 276	2 725 200	2 861 460	2 997 720	3 133 980
	5,10	1 811 106	2 506 032	3 200 958	3 895 884	4 590 810	5 285 736	5 980 662
	5,40	2 506 032	3 241 836	3 977 640	4 713 444	5 449 248	6 185 052	6 920 856
	5,70	3 200 958	3 977 640	4 754 322	5 531 004	6 307 686	7 084 368	7 861 050
	6,00	3 895 884	4 713 444	5 531 004	6 348 564	7 166 124	7 983 684	8 801 244
	6,30	4 590 810	5 449 248	6 307 686	7 166 124	8 024 562	8 883 000	9 741 438
	6,60	5 285 736	6 185 052	7 084 368	7 983 684	8 883 000	9 782 316	10 681 632
	6,90	5 980 662	6 920 856	7 861 050	8 801 244	9 741 438	10 681 632	11 621 826

**Sensitivity analysis of soybean ending stocks as % of local consumption given different area and yield scenario's for the 2022/23 marketing season.**

- Slegs gemiddelde binnelandse verbruik / Only SA consumption
- Oordrag voorraad volgens SASDEC skatting / Carry out as per SASDEC estimate
- Geen uitvoere in ag geneem nie / No exports accounted for

< 20%  
>20%  
<0

Comfortable stock levels  
Very high stocks  
Less than demand

<b>Sojabone / Soybeans (2022/23)</b>	
NOK Intensies / CEC intentions	924 800
Gemiddelde opbrengs / Average yield (ton/ha)	2,00
Oordrag voorraad / Carry out 2021/22 (ton)	231 003
Plaaslike verbruik / Local consumption (ton)	1 650 000
Pyplyn voorraad / Pipeline req. (± 1.5 mnde) (%)	13%

		Oppervlakte / Area Planted (ha)						
		-20%	-15%	-10%	Intentions	+10%	+15%	+20%
Opbrengs Yield (ton/ha)	1,55	-16%	-12%	-8%	1%	10%	14%	18%
	1,70	-10%	-5%	0%	9%	19%	24%	28%
	1,85	-3%	2%	7%	18%	28%	33%	38%
	2,00	4%	9%	15%	26%	37%	43%	49%
	2,15	10%	16%	22%	35%	47%	53%	59%
	2,30	17%	24%	30%	43%	56%	62%	69%
	2,45	24%	31%	38%	51%	65%	72%	79%
	2,60	31%	38%	45%	60%	74%	82%	89%

**Sensitivity analysis of sunflower ending stocks as % of local consumption given different area and yield scenario's for the 2022/23 marketing season.**

- Slegs gemiddelde binnelandse verbruik / Only SA consumption
- Oordrag voorraad volgens SASDEC skatting / Carry out as per SASDEC estimate

< 20%  
>20%  
<0

Comfortable stock levels  
Very high stocks  
Less than demand

<b>Sonneblomsaad / Sunflower seed (2022/23)</b>	
NOK Intensies / CEC intentions	555 800
Gemiddelde opbrengs / Average yield (ton/ha)	1,40
Oordrag voorraad / Carry out 2021/22 (ton)	49 004
Plaaslike verbruik / Local consumption (ton)	730 000
Pyplyn voorraad / Pipeline req. (± 1.5 mnde) (%)	13%

		Oppervlakte / Area Planted (ha)						
		-20%	-15%	-10%	Intentions	+10%	+15%	+20%
Opbrengs Yield (ton/ha)	0,95	-35%	-32%	-28%	-21%	-14%	-10%	-6%
	1,10	-26%	-22%	-18%	-10%	-1%	3%	7%
	1,25	-17%	-12%	-8%	2%	11%	16%	21%
	1,40	-8%	-3%	3%	13%	24%	29%	35%
	1,55	1%	7%	13%	25%	37%	42%	48%
	1,70	10%	17%	23%	36%	49%	56%	62%
	1,85	19%	26%	33%	48%	62%	69%	76%
	2,00	29%	36%	44%	59%	74%	82%	89%

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Bronne: SAGIS, SASDEC, NOK  
Sources: SAGIS, SASDEC, CEC