

**Table 5: South African Sunflower Crop Quality Averages 2022/23 vs 2021/22**

Class and Grade Sunflower	2022/23			2021/22		
	FH1	COSF	Average	FH1	COSF	Average
<b><u>Grading:</u></b>						
1. Damaged sunflower seed, %	0.06	1.01	0.22	0.19	0.57	0.28
2. Screenings, %	1.30	2.81	1.55	1.61	3.95	2.20
3. Sclerotia, %	0.05	0.46	0.12	0.54	2.77	1.09
4. Foreign Matter, %	0.92	2.18	1.13	1.13	1.53	1.23
5. Deviations in 2,3 and 4 collectively, %: Provided that such deviations are individually within the limits of said items	2.27	5.45	2.80	3.28	8.24	4.52
Musty, sour, khaki bush or other undesired smell	No	No	No	No	No	No
Substance present that renders the seed unsuitable for human or animal consumption or for processing into or utilization thereof as food or feed	No	No	No	No	No	No
Poisonous seeds ( <i>Crotalaria sp.</i> , <i>Datura sp.</i> , <i>Ricinis communis</i> )	0	7	1	0	6	1
Poisonous 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	2	0
<b>Number of samples</b>	<b>145</b>	<b>29</b>	<b>174</b>	<b>131</b>	<b>26</b>	<b>157</b>
<b><u>Nutritional analysis:</u></b>						
Moisture, % (5 hr, 105 °C)	4.8	4.8	4.8	5.0	4.9	5.0
Crude Protein, % (as is)	14.13	14.38	14.17	15.12	14.56	15.02
Crude Fat, % (as is)	40.0	39.7	39.9	39.5	39.1	39.5
Crude Fibre, % (as is)	23.0	22.3	22.9	21.7	22.22	21.8
Ash, % (as is)	2.59	2.69	2.61	2.54	2.52	2.53
<b>Number of samples</b>	<b>145</b>	<b>29</b>	<b>174</b>	<b>131</b>	<b>26</b>	<b>157</b>