

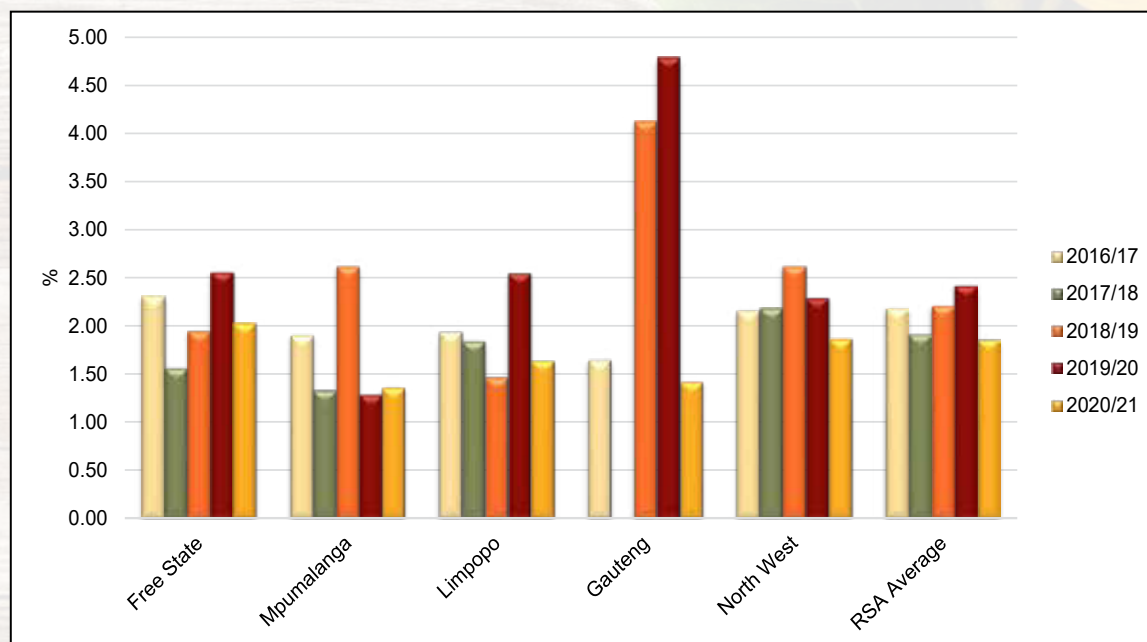
Sunflower Crop Quality 2020/21 - Summary of results

Eighty-three percent (131) of the 157 samples analysed for the purpose of this survey were graded as Grade FH1, with 26 (17%) of the samples downgraded to COSF (Class Other Sunflower Seed). The percentage FH1 samples is in line with earlier seasons (2017/18 and earlier). Samples received during the previous two seasons, had the highest percentages samples (37% and 24% respectively) downgraded to Class Other, since commencement of the sunflower crop surveys in 2012/13.

- Six (23%) of the samples downgraded this season was as a result of the percentage screenings exceeding the maximum permissible deviation of 4%.
- One sample (4%) was downgraded as a result of the percentage foreign matter exceeding the maximum permissible deviation of 4%.
- Two samples (8%) were downgraded as a result of the percentage collective deviations exceeding the maximum permissible deviation of 6%.
- Eight samples in total (31%) were downgraded as a result of the presence of poisonous seeds. Seven samples were downgraded due to the presence of *Datura sp.* exceeding the maximum permissible number, namely 1 per 1000 g. Another sample was downgraded due to *Ipomoea purpurea* Roth. (morning glory) seeds exceeding 7 per 1000 g.
- The remaining 34% of samples (9) were downgraded as a result of a combination of one or more of the following deviations exceeding the maximum permissible deviation: screenings, foreign matter and collective deviations.

The samples from the Free State province (N = 45) reported the highest average percentage screenings namely 2.03%, followed by North West (N = 85) and Limpopo (N = 19) with 1.87% and 1.64% respectively. The single sample from Gauteng reported 1.42% and Mpumalanga's seven samples averaged the lowest percentage screenings of 1.36%. The weighted national average was 1.86% compared to the 2.42% of the previous season.

Graph 16: Average percentage screenings per province over five seasons



The highest weighted average percentage foreign matter (1.30%) was reported for the Free State province's regions. North West and Gauteng followed closely with 1.27% and 1.20% respectively. The lowest percentages were found in Mpumalanga (0.73%) and Limpopo (0.72%). The national average was 1.18% compared to the 1.55% and 1.28% of the previous two seasons. Please see Graph 17.