

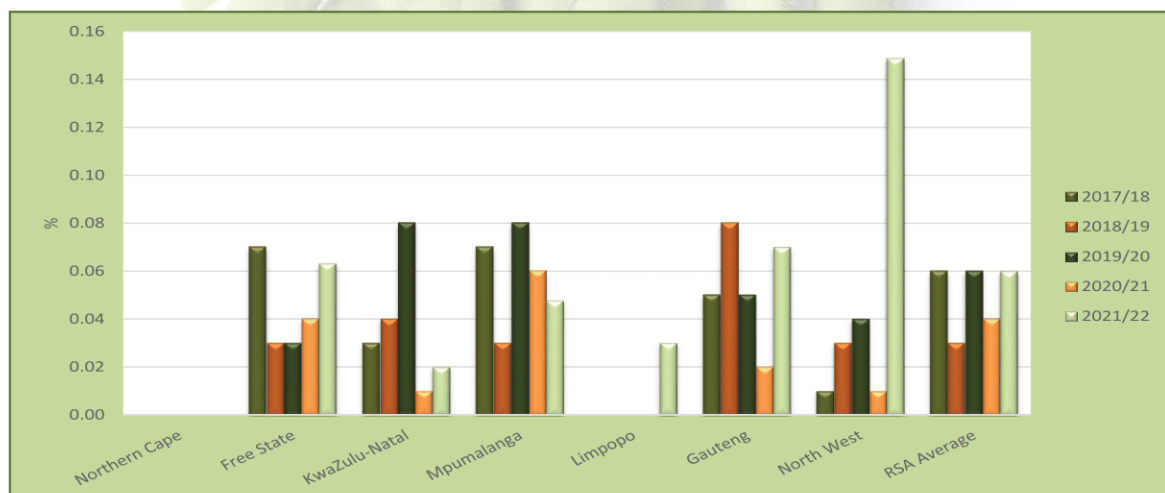
Soybean Crop Quality 2021/22 – Summary of results

Eighty-one percent (121) of the 150 samples analysed for the purpose of this survey were graded as Grade SB1, while 29 (19%) of the samples were downgraded to COSB (Class Other Soya Beans). During the previous two seasons, 20% (2020/21) and 27% (2019/20) of the samples were downgraded to COSB.

- One of the 29 samples were downgraded as a result of the percentage other grain exceeding the maximum permissible deviation of 0.5%.
- Three of the samples were downgraded as a result of the percentage defective soybeans on the 4.75 mm round-hole sieve exceeding the maximum permissible deviation of 10%.
- Five samples were downgraded as a result of the percentage soiled soybeans present in the samples exceeding the maximum permissible deviation of 10%.
- Five samples were downgraded as a result of the number of *Crotalaria sp.* and three samples as a result of *Datura sp.* poisonous seeds present exceeding the maximum permissible number of 1 per 1000 g.
- Two samples were downgraded as a result of the number of *Ipomoea purpurea Roth.* poisonous seeds present exceeding the maximum permissible number of 7 per 1000 g.
- The remaining ten samples were downgraded as a result of a combination of two or more of the following deviations exceeding the maximum permissible deviation: foreign matter, other grain, defective soybeans above the 4.75 mm sieve, soiled soybeans, collective deviations, the presence of poisonous seeds (*Datura sp.* and *Ipomoea purpurea Roth.*) as well as the presence of undesirable odours.

The percentage samples containing sclerotia from the fungus *Sclerotinia sclerotiorum*, was equal to that of the previous season, namely 43%. In the 2019/20 season, 41% of samples contained sclerotia. 42% of the samples that contained sclerotia this season originated in Mpumalanga, 25% North West and 18% in the Free State province. The remainder of the samples originated in Gauteng (8%), KwaZulu-Natal (6%) and Limpopo (1%). All these percentages sclerotia found to be present in the samples were however still well below the maximum permissible level of 4%. The national weighted average percentage this season was 0.06% compared to the 0.04% of the previous season. See Graph 16.

Graph 16: Average percentage sclerotia per province over five seasons



The samples received from North West province (21 samples) had the highest weighted average percentage foreign matter (1.77%), followed by Gauteng (9 samples) with 0.77% and Mpumalanga (65 samples) with 0.64%. The lowest percentage foreign matter was observed on the three samples from Limpopo, namely 0.35%. The national weighted average of 0.74% was in line with previous seasons. Please refer to Graph 17.