

Soybean Crop Quality 2020/21 – Summary of results

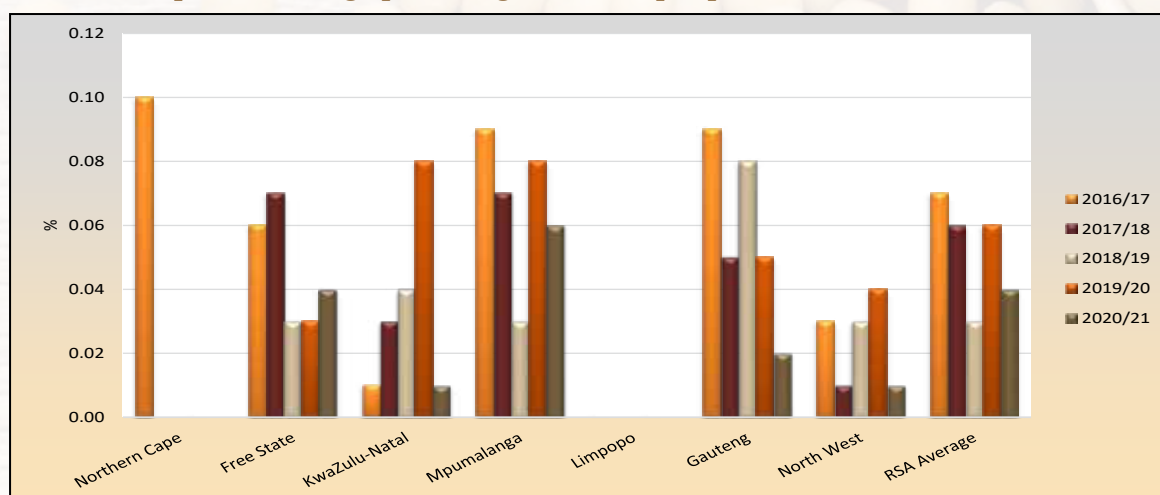
Eighty percent (120) of the 150 samples analysed for the purpose of this survey were graded as Grade SB1, while 30 (20%) of the samples were downgraded to COSB (Class Other Soya Beans). During the previous two seasons, 27% (2019/20) and 11% (2018/19) of the samples were downgraded to COSB.

- Four of the 30 samples were downgraded as a result of the percentage other grain exceeding the maximum permissible deviation of 0.5%.
- Four 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%.
- Seven samples were downgraded as a result of the number of *Crotalaria sp.* and one sample as a result of *Datura sp.* poisonous seeds present exceeding the maximum permissible number of 1 per 1000 g.
- Three 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 six samples were downgraded as a result of a combination of one or more of the following deviations exceeding the maximum permissible deviation: foreign matter, other grain, sunflower seed, defective soybeans above the 4.75 mm sieve, soiled soybeans and the presence of poisonous seeds (*Ipomoea purpurea* Roth.)

Wet pods were not present in any of the 150 samples received and graded.

The percentage samples containing sclerotia from the fungus *Sclerotinia sclerotiorum*, showed a small increase from 41% (62 samples) in the previous season to 43% (65 samples) this season. In the 2018/19 season, 41 samples (27%) contained sclerotia. 55% of the samples that contained sclerotia this season originated in Mpumalanga and 40% originated in the Free State province. All these percentages sclerotia found to be present in the samples are however still well below the maximum permissible level of 4%. The national weighted average percentage this season was 0.04% compared to the 0.06% of the previous season. See Graph 16.

Graph 16: Average percentage sclerotia per province over five seasons



The samples received from the Free State province (61 samples) had the highest percentage foreign matter (1.01%), followed by Gauteng (5 samples) with 0.74% and Mpumalanga (66 samples) and the Northern Cape (2 samples) with 0.63% and 0.61% respectively. The lowest percentage foreign matter was observed on the single sample from Limpopo, namely 0.12%. The national weighted average of 0.77% was in line with previous seasons. Please refer to Graph 17.