

Soybean Crop Quality 2023/24 – Summary of results

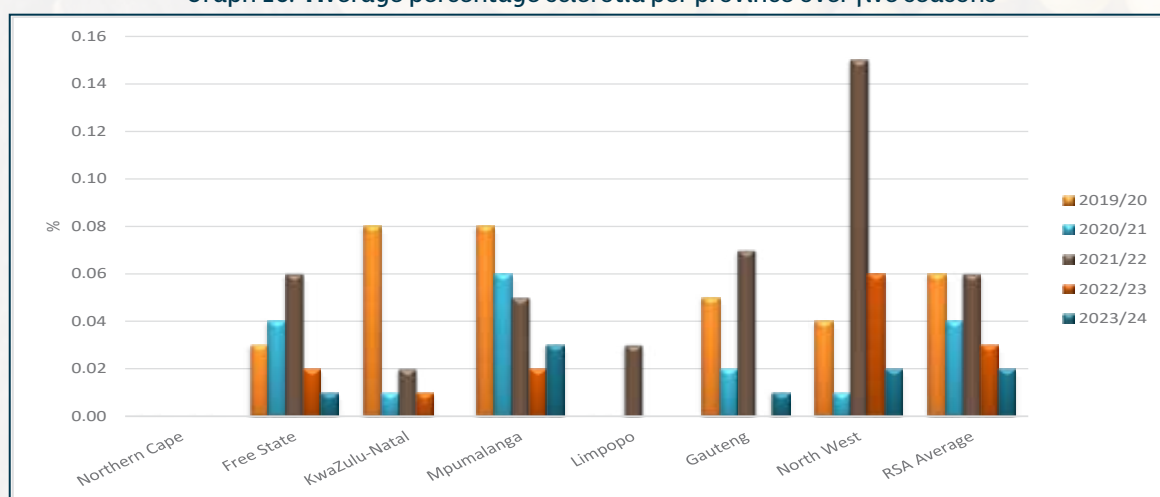
Eighty-two percent (164) of the 200 samples analysed for the purpose of this survey were graded as Grade SB1, while 36 (18%) of the samples were downgraded to COSB (Class Other Soya Beans). During the previous two seasons, 17% (2022/23) and 19% (2021/22) of the samples were downgraded to COSB.

- Three samples exceeded the maximum permissible deviation of 5% foreign matter.
- Two samples exceeding the maximum permissible deviation of 0.5% other grain.
- One sample exceeded the maximum permissible deviation of 10% for soybeans and part of soybeans above the 1.8 mm slotted screen which pass through the 4.75 mm round hole screen.
- Twenty samples exceeded the maximum permissible deviation of 10% defective soybeans on the 4.75 mm round hole screen.
- Five samples exceeded the maximum permissible deviation of 10% soiled soybeans.
- Five samples exceeded the maximum permissible number (1/1000 g) of *Crotalaria sp.* and *Datura sp.* poisonous seeds.
- Five samples exceeded the maximum permissible number (7/1000 g) of *Convolvulus sp.* and *Ipomoea purpurea Roth.* poisonous seeds.
- Four samples were downgraded to Class Other due to a combination of two or more of the above mentioned deviations.

Twenty six percent of the samples contained sclerotia from the fungus *Sclerotinia sclerotiorum*. This percentage is equal to the previous season. 81% of the samples that contained sclerotia this season originated in Mpumalanga, 10% in the Free State, 8% in North West and 2% in Gauteng.

As in previous years, sclerotia was present in very low levels, ranging between 0.01% and 0.18%. The national weighted average percentage this season was 0.02%, 0.03% in the previous season. The maximum permissible level of sclerotia is 4%. See Graph 16.

Graph 16: Average percentage sclerotia per province over five seasons



The samples received from North West province (19 samples) had the highest weighted average percentage foreign matter (1.26%) and the three samples from KwaZulu-Natal averaged the lowest with 0.41%. The averages for the Northern Cape, Free State, Mpumalanga and Gauteng ranged between 0.55 % to 0.58%. The national weighted average of 0.62% was the lowest since the 2012/13 season. Please refer to Graph 17.