

# South African

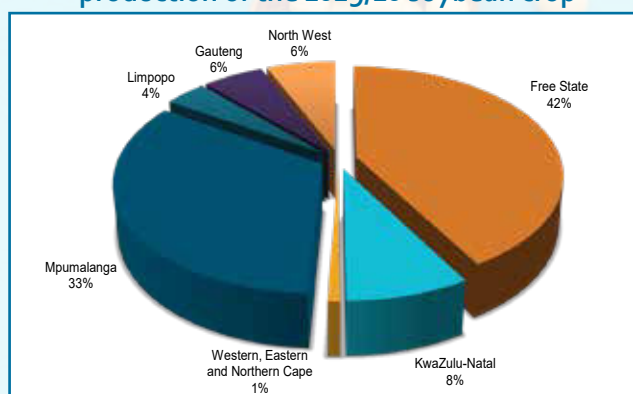
## COMMERCIAL SOYBEAN QUALITY FOR THE 2019/2020 SEASON



### Acknowledgements With gratitude to:

- **The Oilseeds Advisory Committee (OAC) as well as the Oil & Protein Seed Development Trust (OPDT) for its financial support in conducting this survey.**
- **Agbiz Grain and its members for their cooperation in providing the samples to make the survey possible.**
- **The Crop Estimates Committee (CEC) of the Department of Agriculture, Land Reform and Rural Development (DALRRD) for providing production related figures.**
- **South African Grain Information Service (SAGIS) for providing supply and demand figures relating to soybeans.**
- **The Bureau for Food and Agricultural Policy (BFAP) for providing research based market analysis.**
- **Precision Oil Laboratories for providing Fatty Acid Profile analyses.**

**Graph 1: Provincial contribution to the production of the 2019/20 soybean crop**



Figures provided by the CEC.

## Introduction

The final commercial soybean crop figure of the 2019/20 season, as overseen by the National Crop Estimates Liaison Committee (CELC), is 1 245 500 tons and represents a 6% increase (75 155 tons) year on year. The major soybean producing provinces, namely the Free State and Mpumalanga, contributed 75% of the total crop.

During the harvesting season, a representative sample of each delivery of soybeans at the various silos was taken according to the prescribed grading regulations. The sampling procedure for the samples used in this survey is described on page 39. One hundred and fifty composite soybean samples, representing the different production regions, were analysed for quality. The samples were graded, milled and analysed for moisture, crude protein, crude fat, crude fibre and ash content. Fifteen randomly selected samples were analysed to quantitatively determine the presence of genetically modified soybeans. Twenty samples, randomly selected to represent the different production regions, were submitted to Precision Oil Laboratories for fatty acid profile analyses.

This is the ninth annual soybean crop quality survey performed by The Southern African Grain Laboratory NPC (SAGL). SAGL was established in 1997 on request of the Grain Industry. SAGL is an ISO 17025 accredited testing laboratory and participates in various proficiency testing schemes, both nationally and internationally, as part of our ongoing quality assurance procedures to demonstrate technical competency and international comparability.

The goal of this crop quality survey is the compilation of a detailed database, accumulating quality data collected over several seasons on the national commercial soybean crop, which is essential in assisting with decision making processes. The data reveal general tendencies, highlight quality differences in the commercial soybeans produced in different local production regions and provide important information on the quality of commercial soybeans intended for export when applicable.

The results of this survey are available on the SAGL website ([www.sagl.co.za](http://www.sagl.co.za)). Hard copy reports are distributed to all Directly Affected Groups and interested parties. The report is also available to read or download (in a PDF format) from the website.