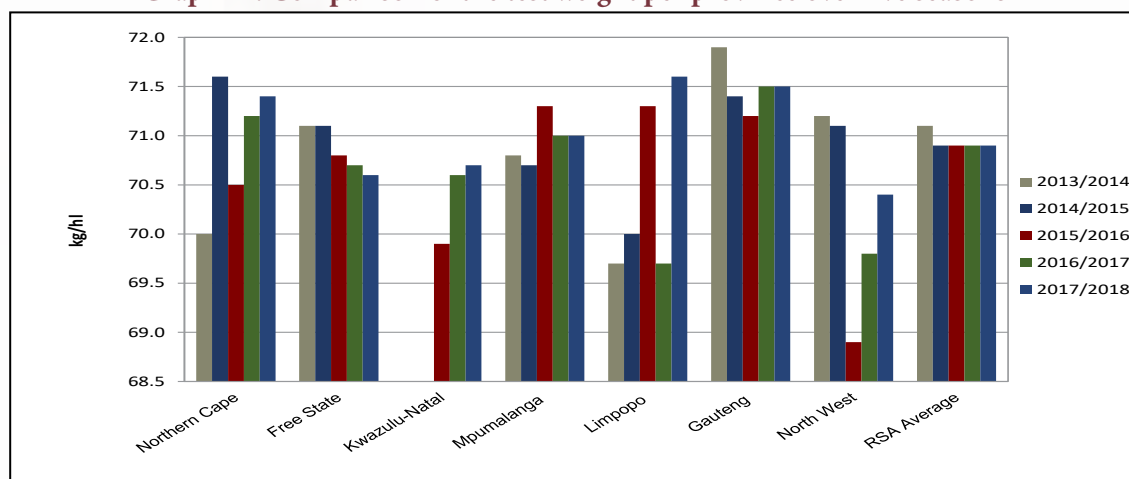


Graph 21: Comparison of the test weight per province over five seasons



The nutritional component analyses, namely crude protein, - fat, - fibre and ash are reported on a dry/moisture-free basis (db) for the current as well as the previous surveys. For comparison purposes the national average 'as is' basis results are provided in Table 3. These 'as is' averages values were calculated by converting each individual value from dry basis to 'as is'.

Table 3: Comparison of weighted average nutritional component values on a dry and 'as is' basis over four seasons

Season	2017/2018		2016/2017		2015/2016		2014/2015	
Moisture, % (17hr, 103°C)	7.4		7.4		7.4		7.0	
Moisture basis	Dry basis	As is	Dry basis	As is	Dry basis	As is	Dry basis	As is
Crude protein, %	40.18	37.40	40.15	37.20	40.22	37.22	39.89	37.10
Crude fat, %	19.3	18.0	19.8	18.5	19.4	17.9	19.3	17.9
Crude fibre, %	5.9	5.5	5.9	5.4	7.3	6.8	6.4	5.9
Ash, %	4.59	4.27	4.58	4.24	4.61	4.27	4.64	4.31
No. of samples	150		150		143		150	

The weighted average crude protein content this season was 40.18%, slightly higher than the 40.15% of the previous season. As in the 2016/2017 season, Limpopo had the highest weighted average crude protein content (41.51%). Gauteng (39.82%) and the Free State (39.92%) reported the lowest averages. The weighted average crude fat percentage of 19.3% was half a percentage point lower than the 19.8% in the previous season, but similar to the average values reported in 2014/2015 and 2015/2016. The samples from Limpopo had the highest weighted average crude fat content, namely 21.4%. The lowest average fat content was observed in the Free State with 18.9%.

The weighted average percentage crude fibre varied from 5.3% in Limpopo to 6.1% in both Gauteng and North West. The RSA weighted average, 5.9%, was the same as the previous season and also the lowest value of the duration of the project. A small variation of only 0.08% is observed with regards to the national weighted average ash content over the seven seasons that this survey has been conducted. This season, the average ash content was 4.59%, the second lowest of the seven seasons and similar to the previous season. Samples from the Northern Cape and Limpopo tend to show higher ash contents over seasons compared to the other provinces.

Graphs 22 to 25 on page 18 provide comparisons between provinces over seasons for the nutritional components mentioned above.

All fifteen samples tested for genetic modification (GM), tested positive for the presence of the CP4 EPSPS trait (Roundup Ready®). Please refer to the results in Table 4 on page 19 of this report.

A summary of the RSA Soybean Crop Quality averages of the 2017/2018 season compared to those of the 2016/2017 season, is provided in Table 5 on page 20.

Please see pages 21 to 27 for the average soybean quality per region.