

The 2018/19 season is the first season that the SAGL conducted the moisture, crude protein and crude fat analyses on the ARC Grain Crops soybean cultivar trials' samples. Please see a comparison of the results between the crop survey and cultivar samples in Table 4.

Table 4: Comparison between the moisture, crude protein and crude fat results of the soybean crop quality and ARC cultivar trial samples of the 2018/19 season					
Analysis	Moisture, % (17hr, 103°C)	Crude Protein, % (db)	Crude Fat, % (db)	Crude Protein, % (as is)	Crude Fat, % (as is)
Soybean Crop Quality Survey results					
Average	7.0	40.43	19.1	37.60	17.8
Minimum	6.0	35.43	16.5	33.13	15.3
Maximum	11.4	45.09	22.0	41.84	20.4
Standard deviation	0.67	1.30	1.24	1.20	1.16
No. of samples	150	150	150	150	150
ARC Grain Crops Cultivar trial sample results					
Average	8.0	40.54	20.5	37.32	18.9
Minimum	7.3	36.01	17.4	33.08	16.1
Maximum	8.5	46.05	23.8	42.24	21.9
Standard deviation	0.29	1.55	1.34	1.40	1.23
No. of samples	180	180	180	180	180
% Difference between crop and cultivar samples	-1.0	-0.1	-1.4	0.3	-1.1

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 5 on page 20 of this report.

A summary of the RSA Soybean Crop Quality averages of the 2018/19 season compared to those of the 2017/18 season, is provided in Table 6 on page 21.

Please see pages 25 to 30 for the average soybean quality per region.