

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.

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

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.