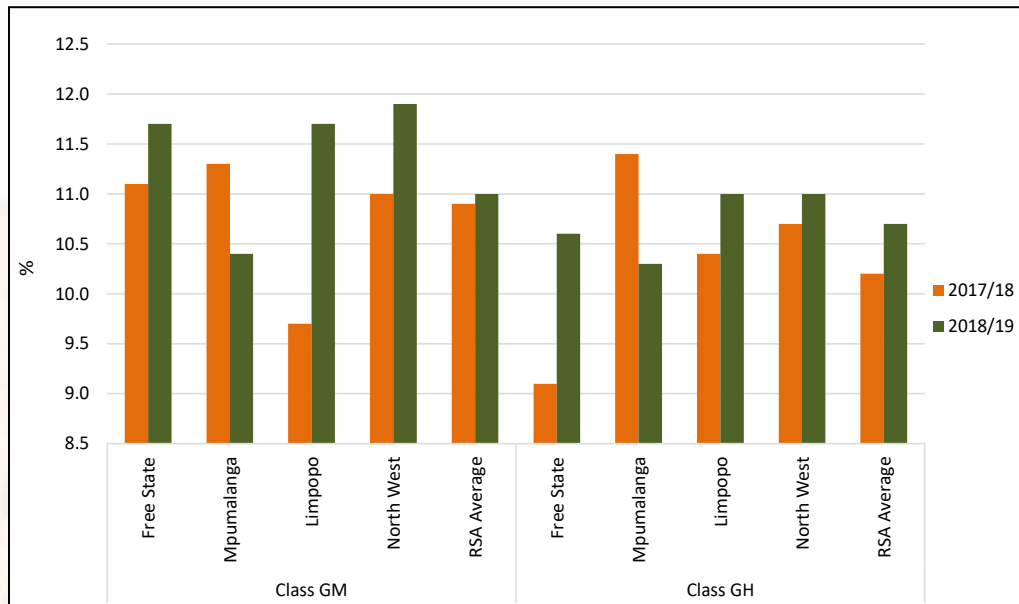
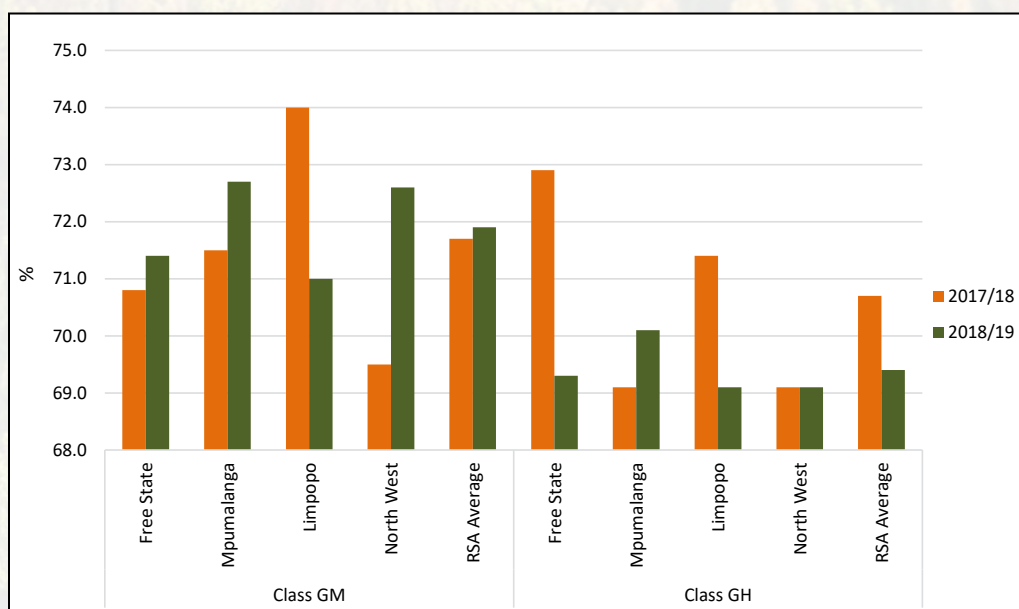


The crude protein and total starch contents of the samples were calculated and reported on a dry basis. North West had the highest protein average of 11.9% for GM sorghum, while Mpumalanga averaged the lowest with 10.4%. North West and Limpopo both averaged the highest (11.0%) for GH sorghum, Mpumalanga averaged the lowest at 10.3%. Nationally, GM and GH sorghum averaged 11.0% and 10.7% respectively. The highest total starch content for GM sorghum was reported in Mpumalanga (72.7%), followed closely by North West with 72.6%. Mpumalanga also reported the highest total starch content for GH sorghum, namely 70.1%. The weighted total starch content of GM sorghum was 71.9% and that of GH sorghum 69.4%. Please see Graphs 20 and 21.

Graph 20: Average percentage crude protein per class per province



Graph 21: Average percentage total starch per class per province



Hunterlab colour determinations were done on a milled fraction of dehulled sample above the 1.8 mm slotted sieve. Please see a summary of the Hunter L a b values obtained below, the average and range (in brackets) are provided. For comparison purposes the values obtained in the 2017/18 season indicated in italics are also included.

GM sorghum: L 73.48 (69.86 – 76.27), a 4.51 (3.86 – 5.47) and b 10.53 (9.73 – 11.65)

GH sorghum: L 68.88 (67.28 – 69.89), a 4.76 (4.04 – 5.97) and b 9.57 (7.63 – 10.20)

*GM sorghum: L 73.81 (67.49 – 83.08), a 4.43 (1.68 – 5.62) and b 10.17 (8.00 – 11.52)*

*GH sorghum: L 70.00 (66.17 – 73.93), a 4.71 (3.78 – 5.47) and b 9.16 (7.91 – 10.49)*