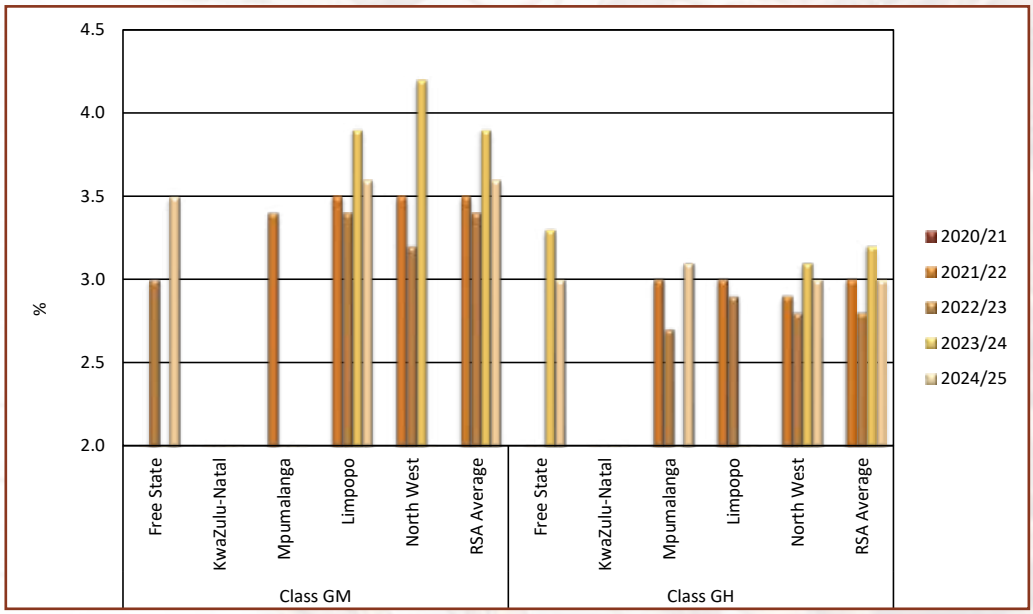
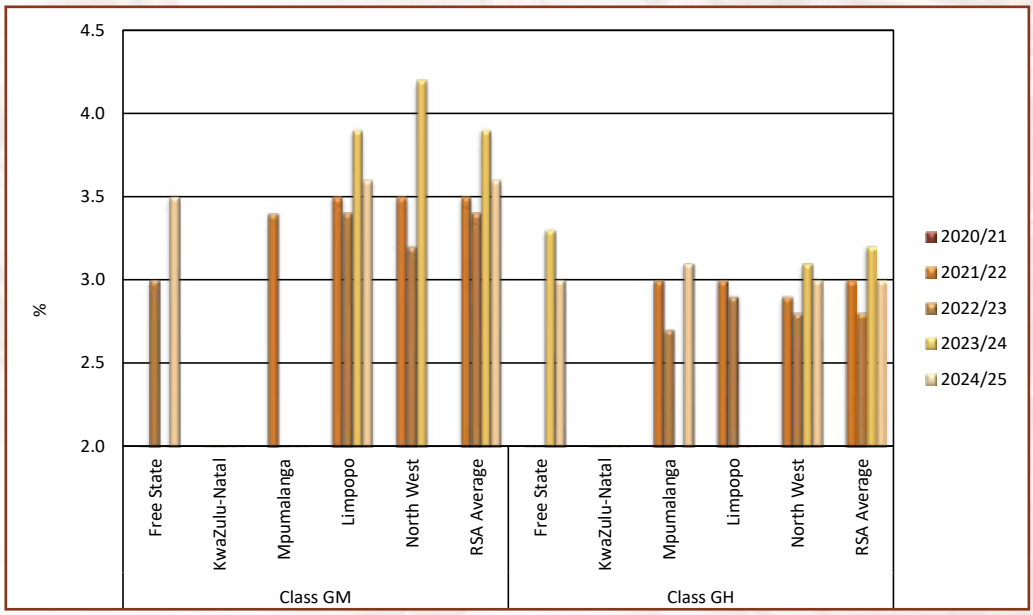
Graph 21 shows that the average total starch content for GM sorghum ranged from 71.3% in the Free State sample to a Limpopo average of 72.9%. GH sorghum starch, varied from an average of 70.2% on the two samples from North West, to 70.5% on the sample from Mpumalanga, to an average of 70.7% on the two Free State samples. The weighted total starch content of GM sorghum was 72.7% and that of GH sorghum 70.4%.



Graph 21: Average percentage total starch per class per province over five seasons

The crude fat content of the crop samples was determined for the fourth consecutive season, see Graph 22. The national average for GM sorghum was 3.6% and that for GH sorghum 3.0%. The previous season's averages were 3.9% for GM sorghum and 3.2% for GH sorghum.



Graph 22: Average percentage total fat per class per province

The crude protein, total starch and crude fat contents of the samples were calculated and reported on a dry basis.

Hunterlab colour determinations were done on a milled fraction of dehulled sample above the 1.8 mm slotted sieve. The Hunterlab spectrophotometer separates the components of reflected colour into a threedimensional colour scale, namely the Hunter L, a, b scale where L represents lightness (100 being white and 0 being black), a represents green to red variation and b represents variation from blue to yellow.