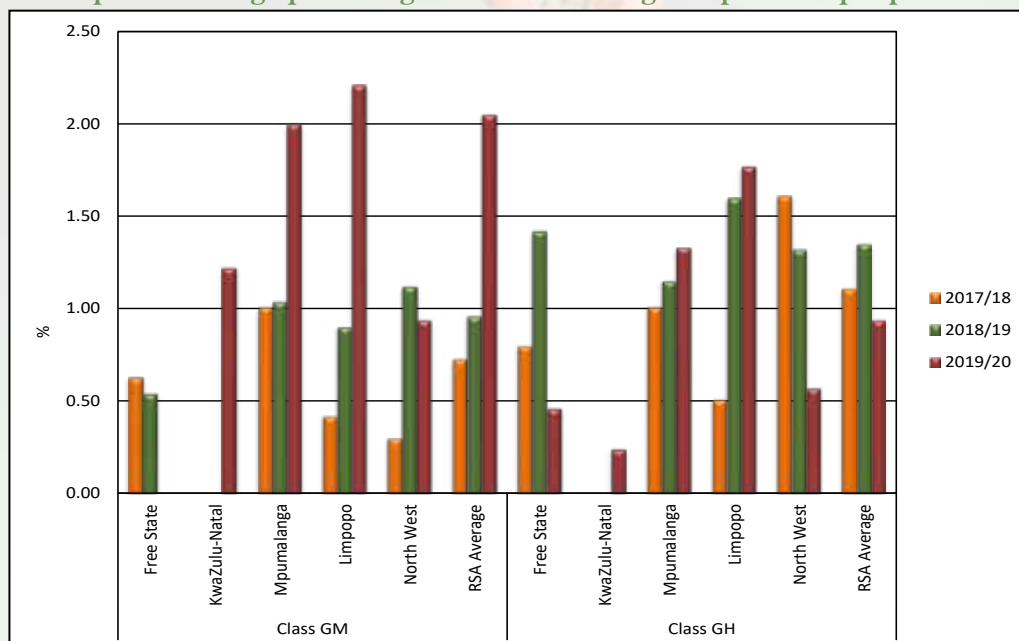
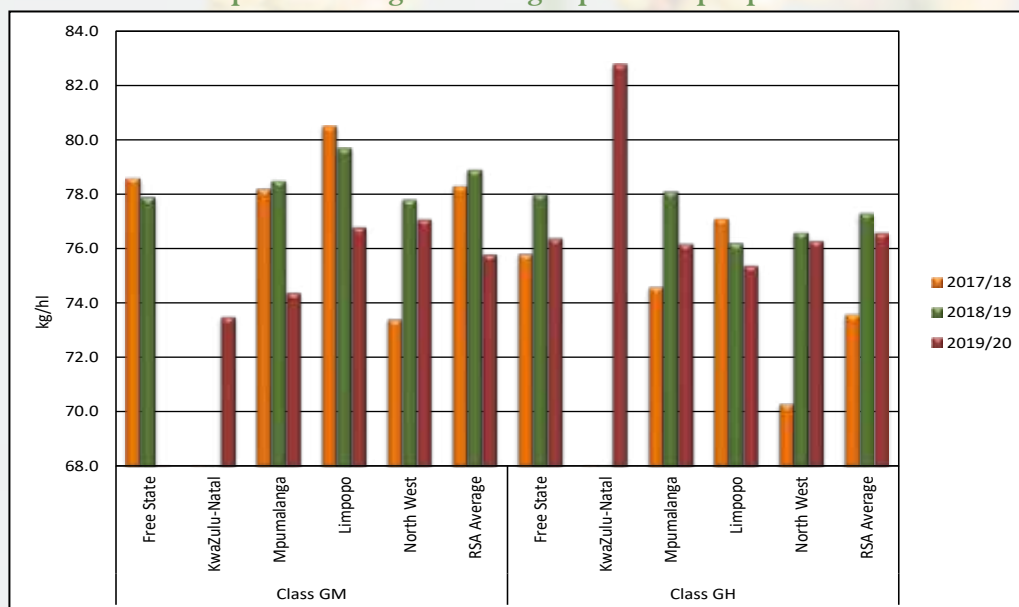


Graph 18: Average percentage small kernel sorghum per class per province



Also in contrast to the previous season, GH sorghum had the highest weighted average test weight, namely 76.6 kg/hl, while GM sorghum averaged 75.8 kg/hl. Please refer to Graph 19. Test weight values for GH sorghum ranged between 72.0 kg/hl and 82.2 kg/hl, GM values varied from 49.1 kg/hl to 80.8 kg/hl. If the 49.1 kg/hl on a sample from Mpumalanga is omitted from the calculations as an outlier, the average hectolitre mass of GM sorghum becomes 76.8 kg/hl and the range 69.2 kg/hl to 80.8 kg/hl. Test weight was determined on unscreened samples.

Graph 19: Average test weight per class per province



GH sorghum also had the highest 1 000 kernel mass values, ranging between 18.5 and 27.5 g (14% moisture basis) and averaging 23.8 g. GM sorghum averaged slightly lower at 23.5 g and varied between 19.0 and 31.5 g.

The image analysis results showed that the GM sorghum on average had longer kernels, but the GH sorghum's kernels were slightly wider. The variation (indicated by the standard deviation) in these parameters is similar for both GM and GH sorghum. Kernel roundness, defined as W/L% (width divided by length, expressed as a percentage) showed a wider variation as can be expected, with a standard deviation of 5.8% for GM and 5.1% for GH sorghum. A totally round kernel will have a W/L% of 100.