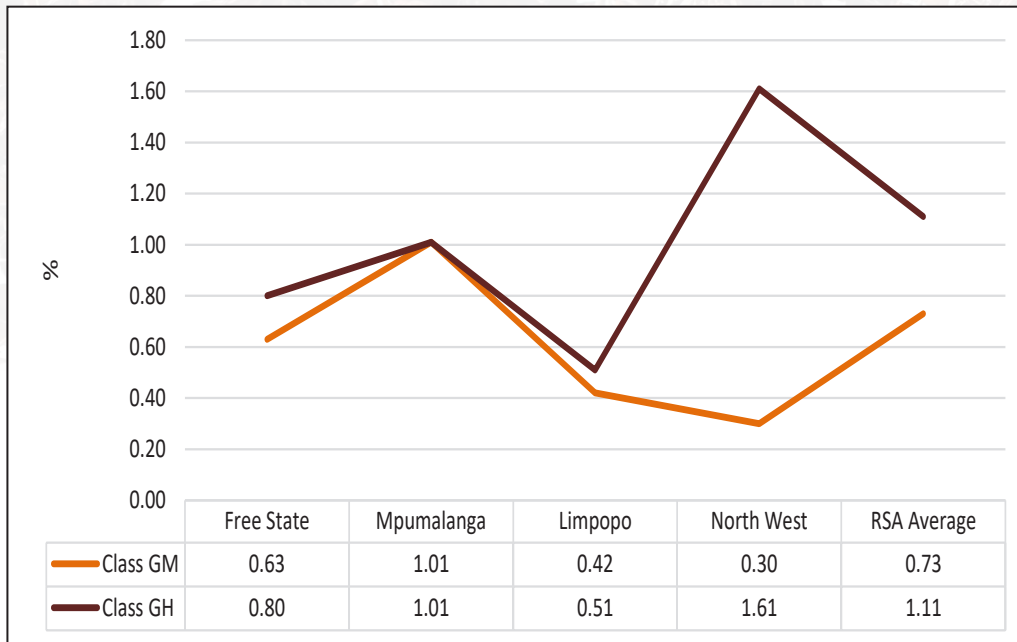
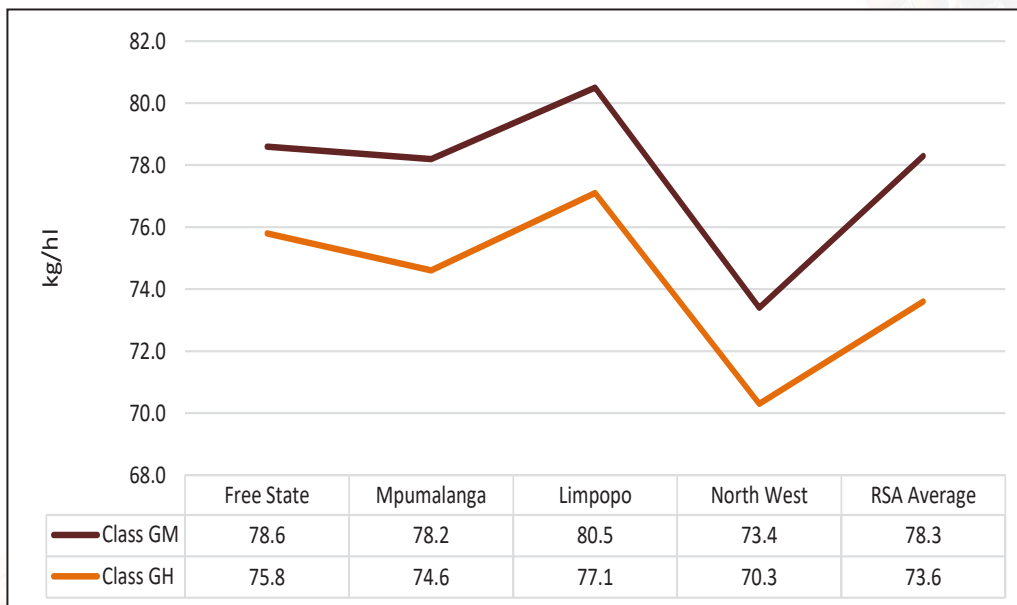


Graph 18: Average percentage small kernel sorghum per class per province



Although GM sorghum had the highest average test weights in all of the provinces, the distribution of the values for both GM and GH showed the same trend over provinces. Please refer to Graph 19. Test weight values for GM sorghum ranged between 71.7 and 82.3 kg/hl, while GH values ranged between a low of 54.1 kg/hl (one sample from North West province) to a high of 79.4 kg/hl. Test weight was determined on unscreened samples.

Graph 19: Average test weight per class per province



GM sorghum also had the highest 1 000 kernel mass values on average, ranging between 19.9 and 31.3 g (14% moisture basis) and averaging 25.5 g. GH sorghum averaged 22.3 g and varied between 17.0 and 27.8 g.

The image analysis results showed that the GM sorghum has slightly longer and wider kernels than the GH sorghum. 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. A totally round kernel will have a W/L% of 100.