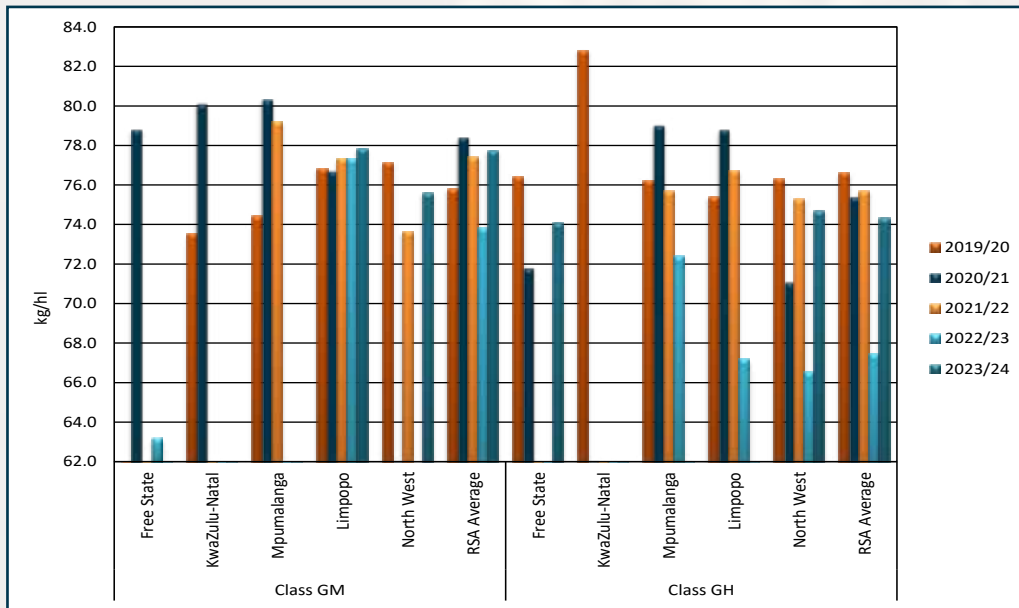


Graph 19: Average test weight per class per province over five seasons



GM sorghum also had the highest 1 000 kernel mass values, ranging between 20.3 g and 26.7 g (14% moisture basis) and averaging 23.9 g. GH sorghum averaged 19.0 g and varied between 18.3 g and 20.0 g. Last season these averages were 24.2 g and 23.3 g respectively.

The image analysis results showed that the GM sorghum on average had slightly longer kernels, while the kernel width was similar for GM and GH sorghum. The variation (indicated by the standard deviation) in these parameters is similar for both GM and GH sorghum. Kernel elongation, defined as % Width/Length, showed a wider variation as the length and width parameters as can be expected, with average standard deviations of 5.6% for GM and 5.5% for GH sorghum. A totally round kernel will have a % Width/Length of 100. GM sorghum's Volume / surface area percentage was over the last five seasons on average 4% higher than that of GH sorghum.

As shown in Graph 20, the crude protein content for GM sorghum varied between 10.3% in Limpopo and 11.1% in North West. GH sorghum's average crude protein content ranged from 10.6% in North West to 12.4% in the Free State. Nationally, GM and GH sorghum averaged 10.3% and 11.7% respectively.

Graph 20: Average percentage crude protein per class per province over five seasons

