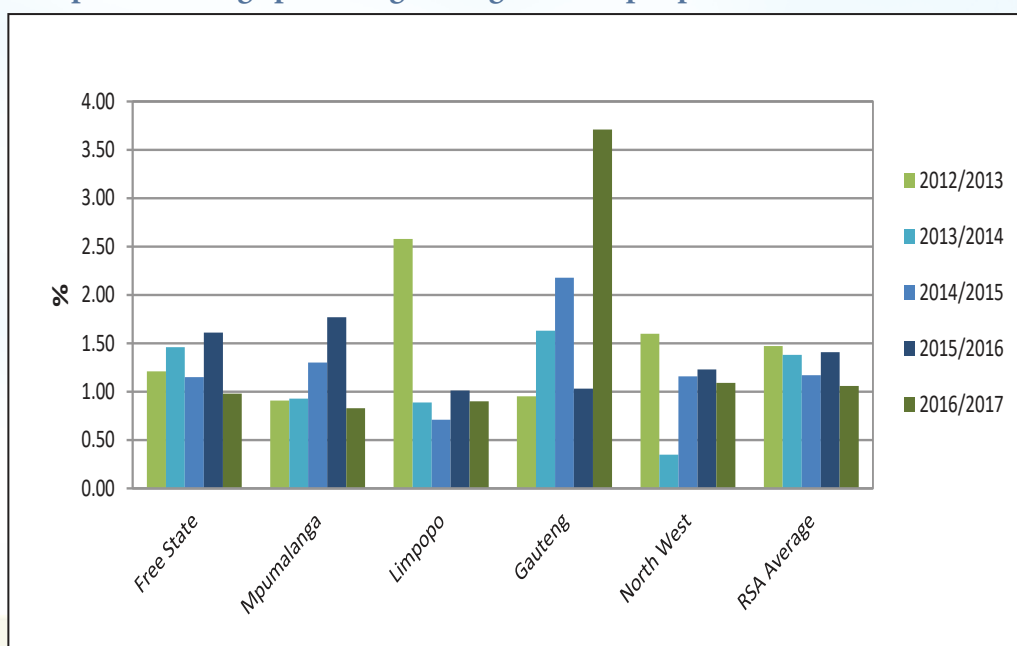
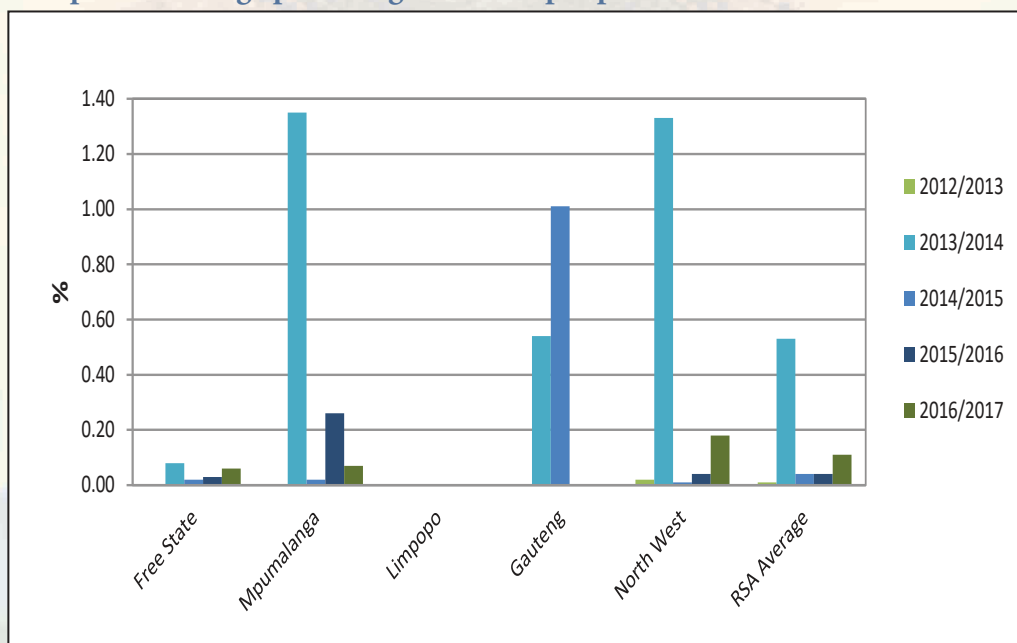


**Graph 17: Average percentage foreign matter per province over five seasons**



The number of samples received for this survey that contained sclerotia from the fungus *Sclerotinia sclerotiorum*, increased from 18 samples (10%) in the previous season, to 28 samples (16%) this season. Fourteen of these samples originated in the Free State province, 13 in North West and one in Mpumalanga. The highest percentage (5.52%) was present on a sample from North West, this was the only sample that exceeded the maximum permissible deviation of 4%. Weighted average levels ranged from 0.06% in the Free State to 0.18% in North West. The national average of 0.11% was slightly higher than the 0.04% of the previous two seasons.

**Graph 18: Average percentage sclerotia per province over five seasons**



Test weight does not form part of the grading regulations for sunflower seed in South Africa. An approximation of the test weight of South African sunflower seeds is provided in Table 3 for information purposes. The g/1 L filling weight of sunflower seed were determined by means of the Kern 222 apparatus. The test weight was extrapolated by means of the following formulas obtained from the Test Weight Conversion Chart for Sunflower Seed, Oil of the Canadian Grain Commission:  $y = 0.1936x + 2.2775$  (138 to 182 g/0.5 L) and  $y = 0.1943x + 2.1665$  (183 to 227 g/0.5 L). Please see also Graph 19 for a comparison of the test weight per province over the last five seasons.