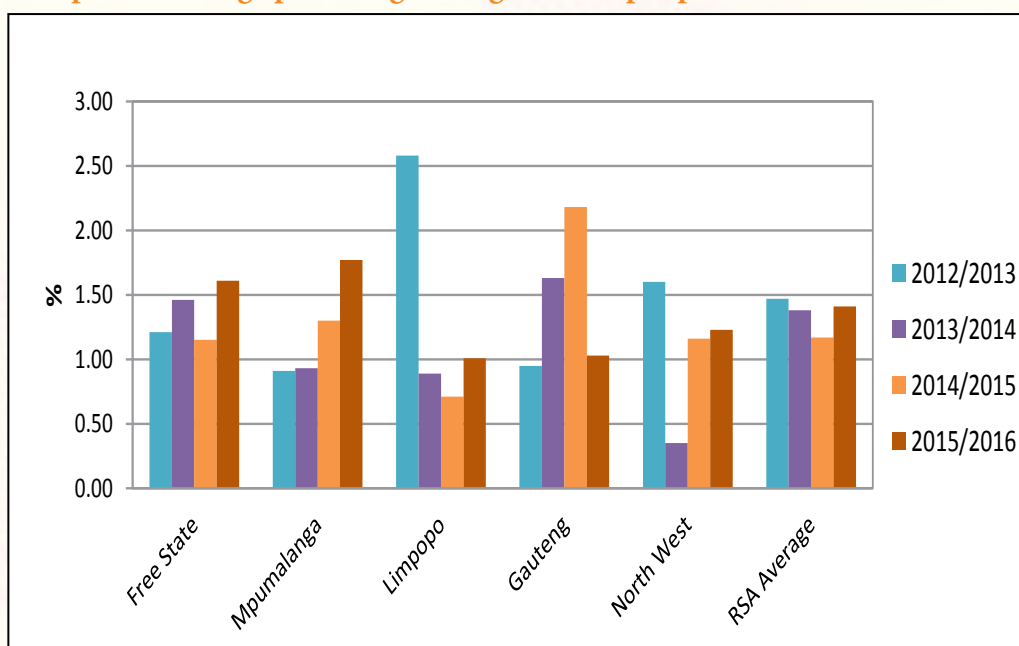
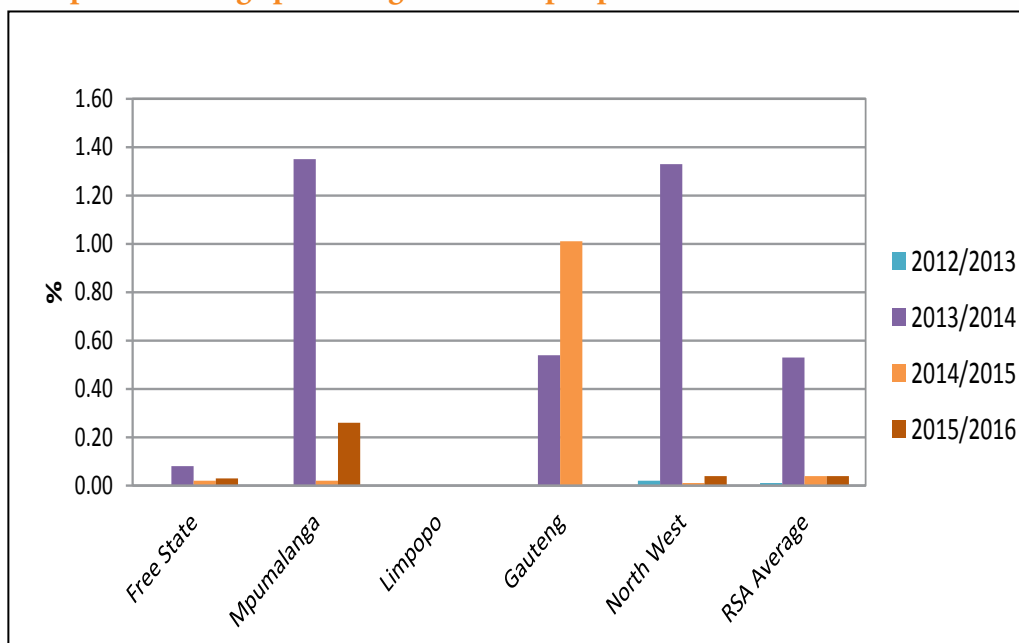


Graph 17: Average percentage foreign matter per province over four seasons



Based on the samples received for this survey, *Sclerotinia sclerotiorum* did not pose a significant problem and was observed on 18 of the samples (10%). Fourteen of these samples originated in the North West province and three in the Free State. The highest percentage (1.80%) was present on a sample from Mpumalanga, this is however still well below the maximum allowable level of 4%. Weighted average levels ranged from 0% for the Gauteng and Limpopo provinces, 0.03% in the Free State, 0.04% in the North West to 0.26% in Mpumalanga. The national average of 0.04% was equal to the previous season.

Graph 18: Average percentage sclerotia per province over four 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 four seasons.