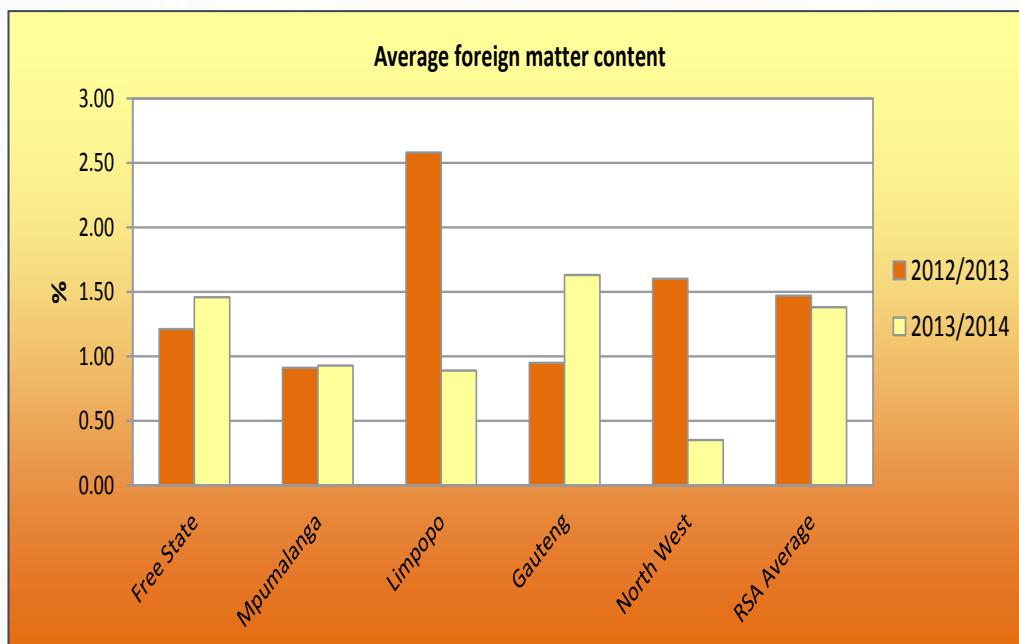
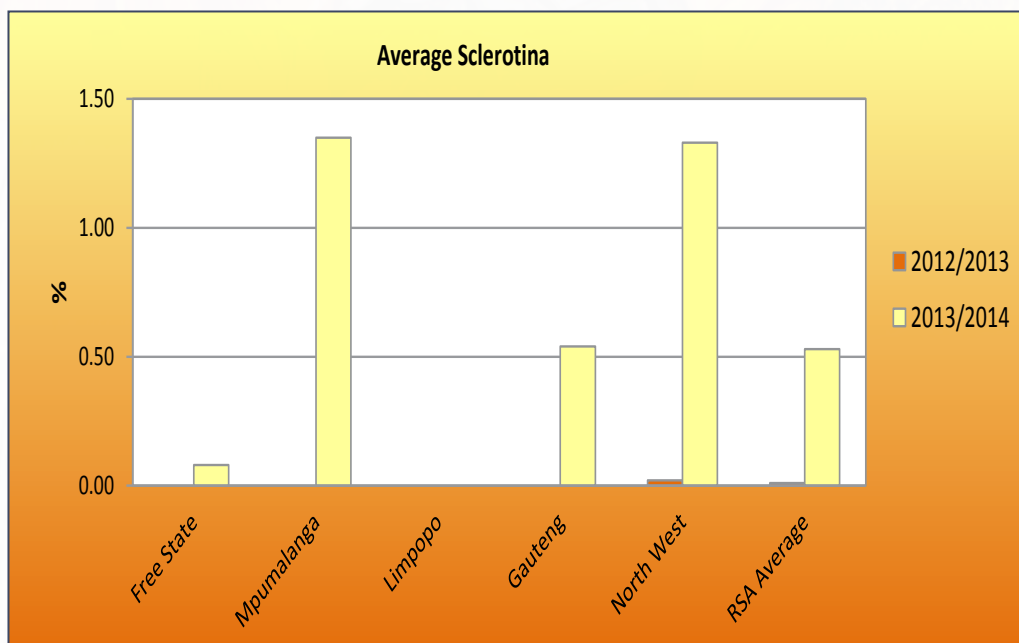


**Graph 17: Average percentage foreign matter per province over two seasons**



Sclerotinia was not observed on any of the 11 samples from Limpopo. The samples from the Free State had the lowest weighted average percentage Sclerotinia, namely 0.08%. Mpumalanga had the highest percentage of 1.35%, closely followed by North West province with 1.33%. During the 2012/2013 season, Sclerotinia was observed in the North West province (weighed average of 0.02%) and one region in the Free State (average 0.01%).

**Graph 18: Average percentage Sclerotinia per province over two seasons**



Hectolitre mass does not form part of the grading regulations for sunflower seed in South Africa. An approximation of the hectolitre mass of South African sunflower seeds is provided in Table 2 for information purposes. The g/1 L filling weight of sunflower seed were determined by means of the Kern 222 apparatus. The hectolitre mass 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).