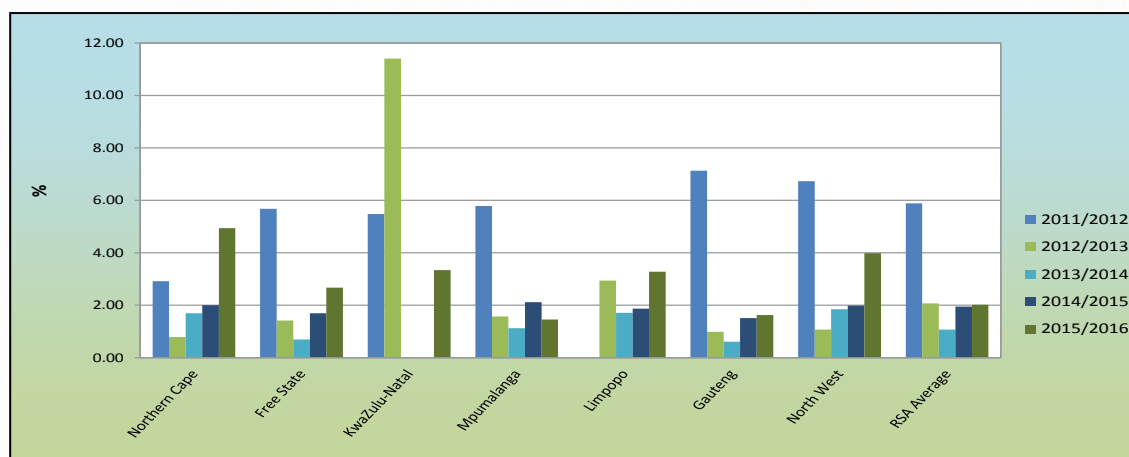
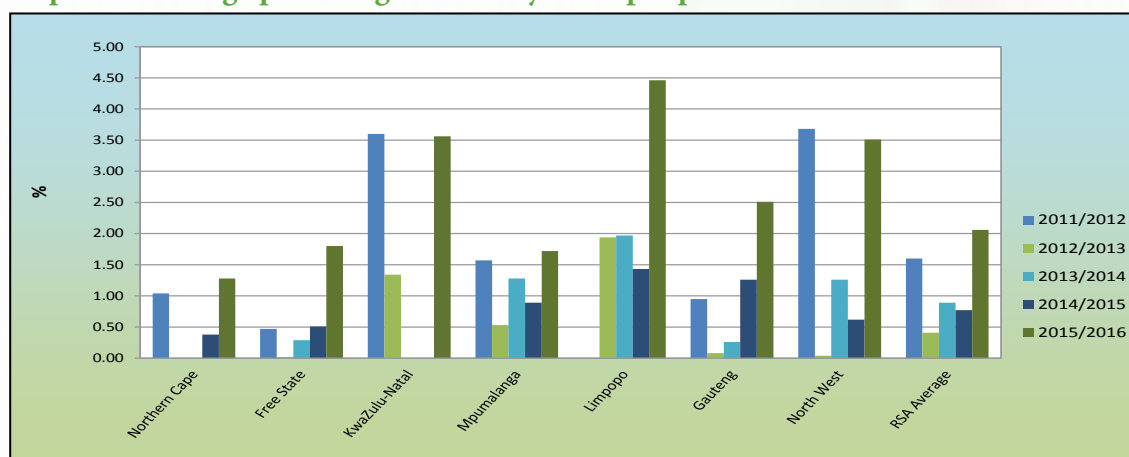


**Graph 19: Average percentage defective soybeans on the 4.75 mm round hole sieve per province over five seasons**



The RSA weighted average percentage soiled soybeans of 2.06% is the highest since this survey was started in the 2011/2012 season (1.60%). The average last season was 0.77%. Average weighted percentages per province ranged from 1.28 in the Northern Cape to 4.46 in Limpopo. Please see Graph 20. Although the number of samples containing soiled soybeans as well as the average percentage soiled soybeans per sample increased significantly, none of the percentages were above the maximum permissible deviation of 10% according to the grading regulations. Last season, one sample from Mpumalanga exceeded this limit.

**Graph 20: Average percentage soiled soybeans per province over five seasons**



Test weight does not form part of the grading regulations for soybeans in South Africa. An approximation of the test weight of South African soybeans is provided in Table 2 for information purposes. The g/1L filling weight of the 143 soybeans samples was 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 Soybean of the Canadian Grain Commission:  $y = 0.1898x + 2.2988$  (291 to 350 g/0.5 L) and  $y = 0.1895x + 2.3964$  (351 to 410 g/0.5 L). Please see also Graph 21 for a comparison of the test weight per province over the last three seasons.

Province	Test weight, kg/hl					
	2015/2016 Season			2014/2015 Season		
	Weighted average	Range	No. of samples	Weighted average	Range	No. of samples
Northern Cape (Regions 10 - 11)	70.5	-	1	71.6	71.2 - 71.9	3
Free State (Regions 21 - 28)	70.8	68.5 - 73.0	23	71.1	67.0 - 72.7	42
KwaZulu-Natal (Regions 36)	69.9	67.7 - 71.6	14	-	-	-
Mpumalanga (Regions 29 - 33)	71.3	68.9 - 72.7	91	70.7	63.3 - 78.2	77
Limpopo (Region 35)	71.3	-	1	70.0	69.3 - 70.8	2
Gauteng (Region 34)	71.2	70.6 - 72.2	5	71.4	69.5 - 72.4	8
North West (Region 12 - 20)	68.9	64.9 - 70.5	8	71.1	68.8 - 72.2	18
<b>RSA</b>	<b>70.9</b>	<b>64.9 - 73.0</b>	<b>143</b>	<b>70.9</b>	<b>63.3 - 78.2</b>	<b>150</b>