

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).

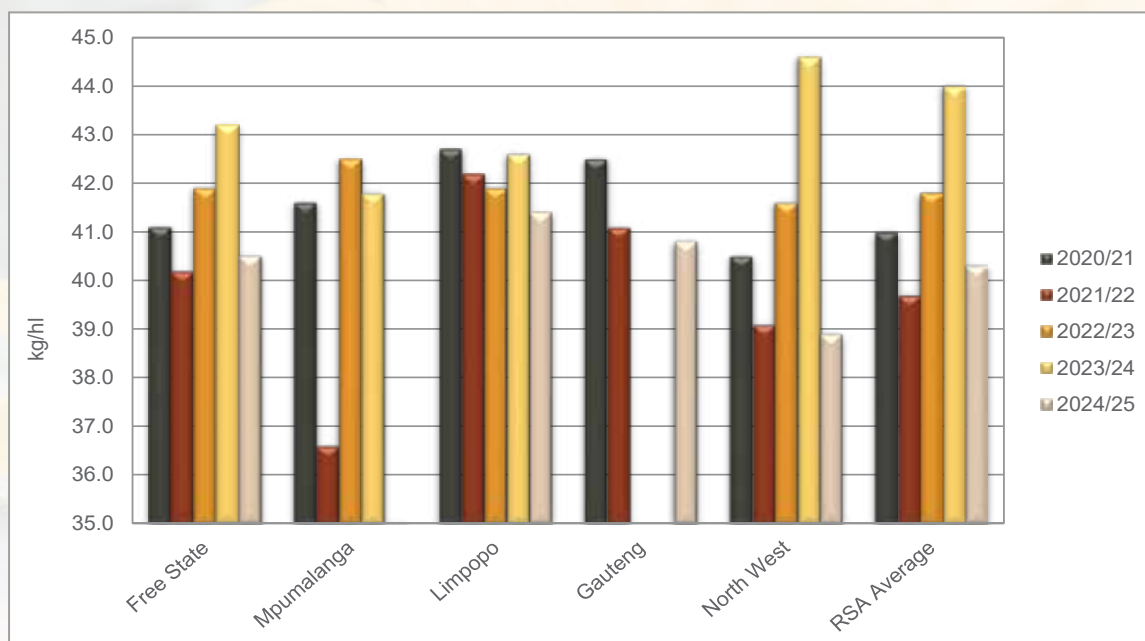
**Table 3: Approximation of test weight per province over three seasons**

Province	Test weight, kg/hl								
	2024/25			2023/24			2022/23		
	Weighted average	Range	No. of samples	Weighted average	Range	No. of samples	Weighted average	Range	No. of samples
Free State (Regions 21 - 28)	40.5	31.0 - 47.3	75*	43.2	39.9 - 47.6	50	41.9	34.8 - 47.0	64
Mpumalanga (Regions 29 - 33)	-	-	-	41.8	40.4 - 43.1	2	42.5	40.9 - 45.2	11
Limpopo (Region 35)	41.4	37.4 - 44.7	14	42.6	40.2 - 42.1	5	41.9	36.4 - 47.2	17
Gauteng (Region 34)	40.8	-	1	-	-	-	-	-	-
North West (Region 12 - 20)	38.9	31.3 - 46.0	22	44.6	38.8 - 49.2	81**	41.6	32.2 - 45.4	82
<b>RSA</b>	<b>40.3</b>	<b>31.0 - 47.3</b>	<b>112</b>	<b>44.0</b>	<b>38.8 - 49.2</b>	<b>138</b>	<b>41.8</b>	<b>32.2 - 47.2</b>	<b>174</b>

\*One sample with an outlier value was not taken into account for calculation purposes.

\*\*Three samples with outlier values were not taken into account for calculation purposes.

Please also see Graph 19 for a comparison of the test weight per province over the last five seasons.



**Graph 19: Comparison of the test weight per province over five seasons**

The nutritional component analyses, namely crude protein, -fat, -fibre and ash are reported as % (g/100 g) on an 'as received' or 'as is' basis.

The weighted average crude protein content this season was 15.97%. This is the highest average percentage of the last six seasons. The average results of the previous five seasons (between 2019/20 to 2023/24) ranged from 13.90% to 15.81%. Limpopo had the highest weighted average crude protein content of 16.29%, followed by North West with 16.24%, The Free State with 15.85% and the single sample from Gauteng with 15.39%.

The weighted average crude fat percentage of 37.5%, is the lowest average since the 37.0% reported in the 2017/18 season and the second lowest since the start of this survey in 2012/13. The sample from Gauteng had the highest crude fat content of 39.1%, followed by Limpopo's average of 38.2%. The Free State and North West averaged 37.6% and 36.4% respectively.