



Cation Exchange Case Study

Carrots - Blairgowrie



ANALYTICAL REPORT		Carrot Nutritional Comparison Results		
Laboratory Reference		FORA199017	FORA199018	%Increase
Sample Reference		55-TREATED	55-CONTROL	
	Unit	CARROT	CARROT	
Dry Matter	%	11.1	11.5	
Total Nitrogen DUMAS	% w/w	0.73	0.69	6% +
Total Phosphorus	% w/w	0.19	0.15	27% +
Total Potassium	% w/w	2.15	1.64	31% +
Total Calcium	% w/w	0.24	0.22	11% +
Total Magnesium	% w/w	0.11	0.11	0%
Total Sulphur	mg/kg	861	780	10% +
Total Copper	mg/kg	4.2	3.7	15% +
Total Zinc	mg/kg	13.0	14.0	6% -
Total Iron	mg/kg	485	741	34% (too high) -
Total Boron	mg/kg	21.6	18.2	25% +

“Having used the Cation exchange system for the past 5 years I am confident it delivers benefits to my 40ha carrot crop. It makes complete sense to ensure that the whole range of trace elements are delivered along with the major nutrients, we have now moved from a broad brush approach to targeting inputs, and therefore costs, where required. Over the period we have been using this testing regime we have had a very good return over the cost of the fertiliser and testing due to a much improved yield and quality. In light of this benefit I am also starting to use this approach on cereal crops to try and improve performance across the rest of the farm”

Colin Mitchell, Farm Manager at Meikleour, Blairgowrie.

“Your soil is your most precious resource”

We can help you achieve the best balance to get the best results from your soil, using our Cation Exchange Rebalancing Soil Survey and our expert knowledge.

To find out how you can improve your crops contact - David Franklin

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