

Carrots

Variety - Nairobi

Site - Crockey Hill, Yorks

Drilled- 20 April 2011

Harvested - 31 October 2011

Application dates - 28 June and 25 July

Seed Rate (actual drilled) - 1,600,000/Ha (293 seeds/m run)

		Marketable	unmktb											
		yield	yield	top	mean	mean		marketable	marketable	yield	unmktb	unmktb	10 root	10 root
	treated or	tonnes	tonnes	size	root	root	%	no roots	wgt	conversion	no roots	wgt	width	length
plot	untreated	/Ha	/Ha	9=large	width cm	length cm	Marketable	/m run	kg	factor	/m run	kg	cm	cm
1	treated	173.77	5.63	8	3.4	18.3	96.8	272	31.8	1.83	9	1.03	34	183
2	untreated	162.13	7.70	8	3.3	17.1	96.4	264	29.67	1.83	10	1.41	33	171
3	treated	167.60	8.58	8	3.4	19	96.5	251	30.67	1.83	9	1.57	34	190
4	untreated	146.67	5.68	8	3.6	19.7	96.6	230	26.84	1.83	8	1.04	36	197
5	treated	152.57	12.40	8	3.4	19.1	94.0	234	27.92	1.83	15	2.27	34	191
6	untreated	148.63	10.05	8	3.5	19.3	94.9	243	27.2	1.83	13	1.84	35	193
7	treated	159.40	11.26	8	3.4	21.2	94.6	226	29.17	1.83	13	2.06	34	212
8	untreated	139.34	14.15	8	3.4	20.8	92.0	231	25.5	1.83	20	2.59	34	208
Mean	Treated	163.33	9.47	8.0	3.40	19.40	95.47	245.75	29.89	1.83	11.50	1.73	34.00	194.00
	Untreated	149.19	9.40	8.0	3.45	19.23	94.99	242.00	27.30	1.83	12.75	1.72	34.50	192.25

Conclusion

The treated plots showed a definite pattern of yield increase over the untreated plots. The mean increase was 14.14 tonnes /Ha (9.5%).

Other differences are inconclusive and demonstrate no definite pattern.

There were no other visual differences between plots on either the foliage/canopy or the root sample.