

NIAB ORGANIC MAINCROP CARROT TRIAL 2004

Site: Mildenhall, Suffolk

in order of marketable yield

	Source	Hybrid	Seed Treatment	Population m ²	Marketable yield (t/Ha)	Wastage (t/ha.)	% RECORDED AS (by weight)							Root quality										FIELD			LAB
							Undersized	Growth splits	Fanged & Misshapen	External Discolouration	Cavity spot	Bolters (%no)	rotten	Shape uniformity (1-9) 1=poor	Skin texture (1-9) 1=rough	Flesh colour (1-9) 1=pale	Core colour (1-9) 1=pale	Mean root length (cm)	Mean root breadth (cm)	% Internal greening	Sweetness (1-5) 1=poor	Strength of flavour (1-5) 1=weak	Emergence (1-9) 1=poor	Vigour (1-9) 1=poor	Alternaria (1-9) 9=none recorded	Cavity Spot Index (incidence x severity)	
Bersky	BJO	yes	untreated	86	71.1	8.6	1	5	3	0	0	0.0	3	7.1	8.0	8.0	8.0	20.0	4.0	0	2	3	9	9	9.0	32.3	
Nairobi	BJO	yes	untreated	90	70.0	8.1	1	6	2	0	0	0.0	2	7.0	7.0	7.0	7.0	19.2	4.0	0	1	4	9	9	7.0	30.4	
Carson	BJO	yes	untreated	80	69.4	3.8	1	2	2	0	0	0.0	0	8.0	8.0	8.0	8.0	14.8	4.5	0	4	4	9	9	9.0	38.2	
Starca	NUN	yes	organic	82	62.6	7.0	1	2	4	0	0	0.0	2	7.0	8.0	7.0	7.0	20.8	3.4	3	3	3	7	7	9.0	34.5	
Nipomo	BJO	yes	untreated	82	62.1	8.1	1	3	4	0	0	0.0	3	8.7	8.0	8.0	8.0	19.7	3.4	0	2	4	7	9	9.0	27.7	
Namur	BJO	yes	untreated	77	61.3	8.5	1	7	3	0	0	0.0	2	8.0	8.0	8.0	8.0	19.2	3.8	0	3	4	7	9	7.7	37.3	
Resistafly	TOZ	yes	untreated	76	55.0	9.6	1	5	3	0	0	0.0	5	7.0	7.0	7.0	7.0	18.9	3.8	3	2	3	6	6	7.0	43.8	
Stella	EWK		organic	78	53.3	12.9	1	8	3	3	0	0.2	4	6.5	7.0	7.0	7.0	20.7	3.4	10	1	3	7	7	7.7	29.3	
Jeanette	ENZ	yes	organic	64	48.5	14.5	1	14	5	0	0	0.0	3	7.0	6.0	7.0	6.0	19.5	3.6	13	2	2	4	5	9.0	63.9	
Cubic	EWK		organic	43	47.5	7.8	0	2	9	0	0	0.0	3	8.0	8.0	9.0	9.0	23.7	4.1	0	1	3	3	3	9.0	43.0	
Nantes 2-Milan	DEM		organic	84	45.5	10.2	2	7	4	0	0	0.0	5	6.3	7.7	7.0	7.0	16.5	3.2	30	4	3	6	4	6.7	44.0	
Niagara	BJO	yes	untreated	37	43.7	24.3	1	24	3	0	2	0.0	7	7.0	7.3	7.0	7.0	22.0	4.2	13	1	4	2	7	8.7	44.9	
Cabana	RZA	yes	organic	56	40.8	16.7	1	20	5	0	0	0.0	3	7.1	8.0	7.0	7.0	20.2	3.3	23	3	2	5	4	8.0	54.1	
Purple Dragon	T&M		untreated	30	14.5	10.3	1	30	5	0	0	2.4	6	4.0	5.5	7.0	1.0	11.5	2.7	0	1	1	2	6	6.0	\$	
MEAN				69	53.2	10.7	1	10	4	0	0	0.2	3	7.1	7.4	7.4	6.9	19.1	3.7	7	2	3	6	7	8.1	40.3	

\$ = melted in test