



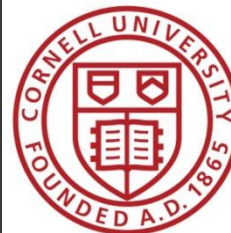
Root Crop Variety Trial

Hudson Valley Farm Hub

Kingston, NY

Field Trial Coordinator: Crystal Stewart

PowerPoint by: Annie Mills – ENYCHP Field Technician



Cornell University
Cooperative Extension

HUDSON VALLEY

FARM
HUB

Details of the Trial

The carrot variety trial was planted at the Hudson Valley Farm Hub in Hurley, NY on June 26th, 2015. The trial was planted with non-pelletized seed using an Olimpia Gaspardo vacuum precision planter at a rate of 30 seeds per foot in a two-inch band. The trial was grown organically, with optimum fertility and fairly good weed control. Carrots were harvested on September 25th. Three, twenty foot samples of each variety were used for evaluation.

Baltimore-Bejo

Measurement	Results
Number of Marketable Roots	153
Weight of Marketable Roots (lbs)	33.45
Number of Unmarketable Roots	136
Total Number of Roots	289
Weight of Unmarketable Roots	15.2
% of Marketable Roots	69%
Total Yield (lbs)	48.65
Yield/100'	81.1
Yield per acre at 17,200 row feet/acre	13,946



Catalog Notes: Very productive Berlicum type. Good early yield, long and bulky, cylindrical roots.

Bejo 2976-Bejo Seeds

Measurement	Results
Number of Marketable Roots	129
Weight of Marketable Roots (lbs)	18.1
Number of Unmarketable Roots	161
Total Number of Roots	290
Weight of Unmarketable Roots	13.3
% of Marketable Roots	58%
Total Yield (lbs)	31.4
Yield/100'	52.3
Yield per acre at 17,200 row feet/acre	9,001



Belgrado-Bejo Seeds

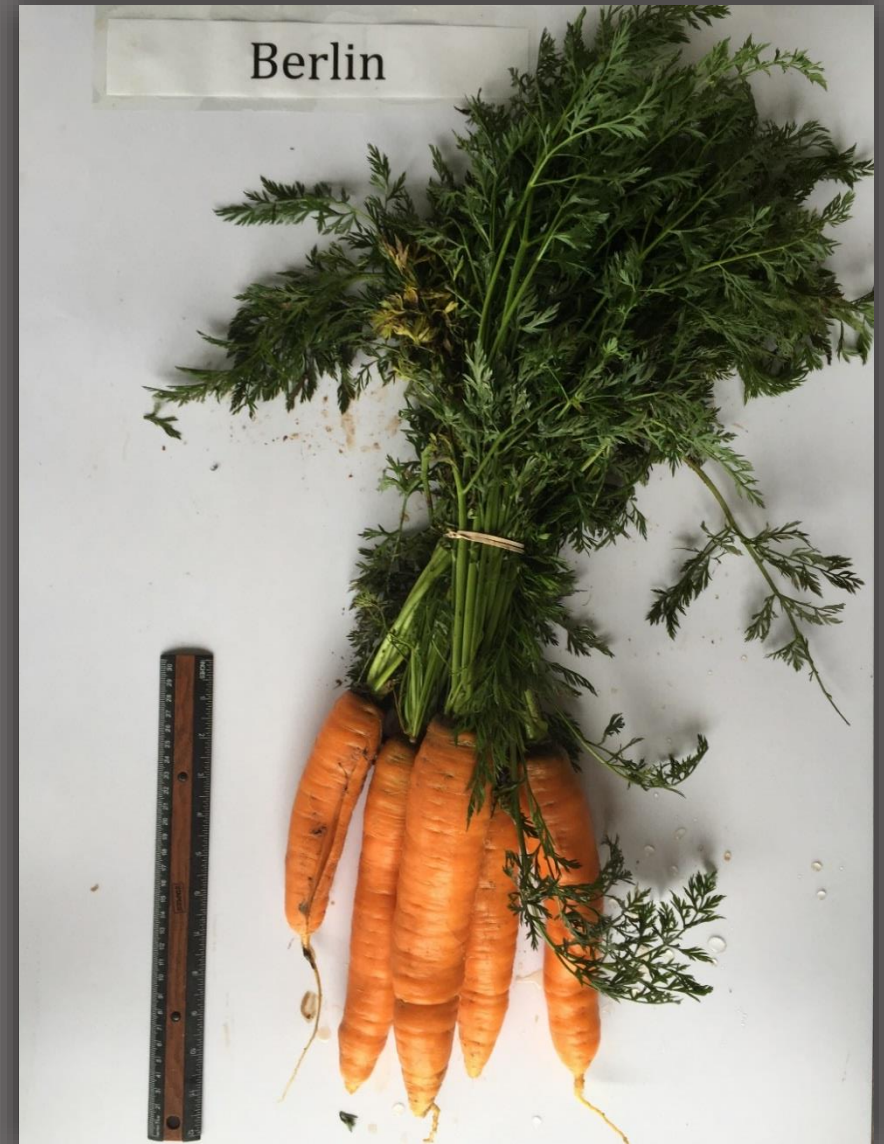
Measurement	Results
Number of Marketable Roots	282
Weight of Marketable Roots (lbs)	51.55
Number of Unmarketable Roots	297
Total Number of Roots	579
Weight of Unmarketable Roots	28.5
% of Marketable Roots	64
Total Yield (lbs)	80.05
Yield/100'	133.4
Yield per acre at 17,200 row feet/acre	22,948



Catalog Notes: Very bulky roots. High yield. Uniform. 9 inch x 3 inch roots, 12-16 inch tops. Belgrado makes the best juice – high carotene and sugar levels, with long shelf life!

Berlin-Bejo Sees

Measurement	Results
Number of Marketable Roots	146
Weight of Marketable Roots (lbs)	44.2
Number of Unmarketable Roots	117
Total Number of Roots	263
Weight of Unmarketable Roots	22.9
% of Marketable Roots	66
Total Yield (lbs)	67.1
Yield/100'	111.8
Yield per acre at 17,200 row feet/acre	19,235



Carson-Bejo Seeds

Measurement	Results
Number of Marketable Roots	170
Weight of Marketable Roots (lbs)	53.6
Number of Unmarketable Roots	155
Total Number of Roots	325
Weight of Unmarketable Roots	18.3
% of Marketable Roots	75
Total Yield (lbs)	71.9
Yield/100'	119.8
Yield per acre at 17,200 row feet/acre	2,0611



Catalog Notes: Tapering roots with a rich orange core and a crunchy-sweet taste. Chantenay hybrids are renowned for their taste, and this is one of the best. 5-6in.

Coreless Amsterdam

Stokes Seeds

Measurement	Results
Number of Marketable Roots	115
Weight of Marketable Roots (lbs)	18.5
Number of Unmarketable Roots	198
Total Number of Roots	313
Weight of Unmarketable Roots	23.4
% of Marketable Roots	44
Total Yield (lbs)	41.9
Yield/100'	69.8
Yield per acre at 17,200 row feet/acre	12,011



Catalog Notes: Produced in Holland. The roots are 6-7 in/15-18 cm long, cylindrical, bright salmon-red in color. The flesh is exceptionally sweet and crisp.

Crofton—Stokes Seeds

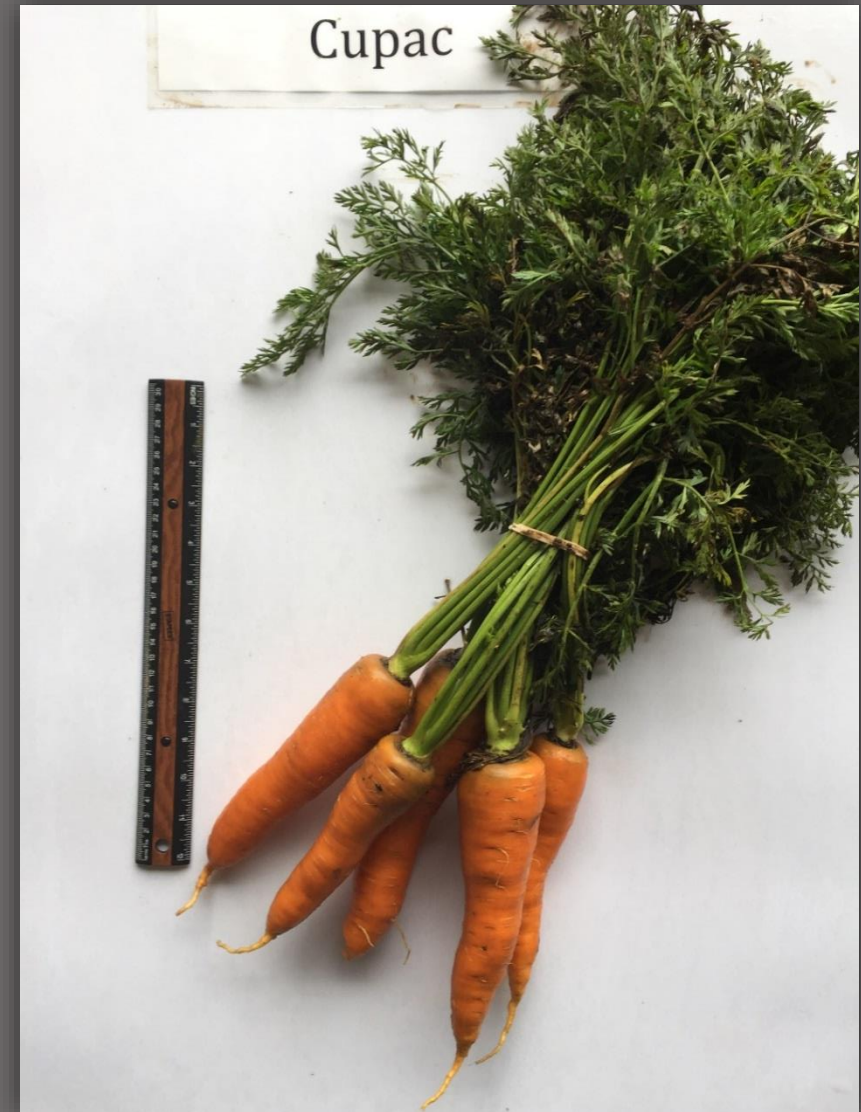
Measurement	Results
Number of Marketable Roots	249
Weight of Marketable Roots (lbs)	23.5
Number of Unmarketable Roots	196
Total Number of Roots	445
Weight of Unmarketable Roots	11.8
% of Marketable Roots	67
Total Yield (lbs)	35.3
Yield/100'	58.8
Yield per acre at 17,200 row feet/acre	10,119



Catalog Notes: F1 hybrid. Great tasting Amsterdam Nantes type for bunching. Extra long 7-8 in/18-20 cm cylindrical roots have blunt tips at maturity, averaging 100-200 gr. Suitable for mechanical harvesting. For fresh market bunching, slicing or storage.

Cupar-Bejo Seeds

Measurement	Results
Number of Marketable Roots	226
Weight of Marketable Roots (lbs)	51.3
Number of Unmarketable Roots	130
Total Number of Roots	336
Weight of Unmarketable Roots	14.4
% of Marketable Roots	78
Total Yield (lbs)	65.7
Yield/100'	109.5
Yield per acre at 17,200 row feet/acre	18,834



Catalog Notes: Tapered deep orange roots with broad shoulders and very little greening. Maintains its attractive, uniform appearance and sweet flavor improves in storage; ideal for CSA growers looking for a reliable and long-storing carrot for bunching or season extension. Storage · 8" Chantenay-type.

Envy—Stokes Seeds

Measurement	Results
Number of Marketable Roots	299
Weight of Marketable Roots (lbs)	78.05
Number of Unmarketable Roots	135
Total Number of Roots	434
Weight of Unmarketable Roots	21.6
% of Marketable Roots	78
Total Yield (lbs)	99.65
Yield/100'	166.1
Yield per acre at 17,200 row feet/acre	28,566



Catalog Notes: Multipurpose F1 hybrid. Use as an early Jumbo or leave it to mature as an extra large slicer. 12 in/30 cm long with 1.5-1.75/3.8-4.5 cm diameter which may vary depending on spacing. Smooth bright orange roots with blunt tips. Tolerant to ALT

Goldfinger – Stokes Seeds

Measurement	Results
Number of Marketable Roots	323
Weight of Marketable Roots (lbs)	61.1
Number of Unmarketable Roots	169
Total Number of Roots	492
Weight of Unmarketable Roots	17.6
% of Marketable Roots	78
Total Yield (lbs)	78.7
Yield/100'	131.2
Yield per acre at 17,200 row feet/acre	22,561



Catalog Notes: An improved Sweet Baby Jane type. Matures as a full grown Amsterdam Nantes at 7-8 in/18-20 cm in length @ 0.6 MS seeds or pellets per acre. Dark orange uniform, cylindrical roots taper to blunt tips. Mature sweet flavor is excellent. Medium sized upright tops are very strong and have a tolerance to bolting. Yields are high - sells on sight. Stores well for fresh market.

Ingot-Twilley Seeds

Measurement	Results
Number of Marketable Roots	222
Weight of Marketable Roots (lbs)	42.1
Number of Unmarketable Roots	285
Total Number of Roots	507
Weight of Unmarketable Roots	27.6
% of Marketable Roots	60
Total Yield (lbs)	69.7
Yield/100'	116.2
Yield per acre at 17,200 row feet/acre	19,981



Catalog Notes: A high carotene carrot that has a rich sweet flavor. In our tests it was picked over and over as being the most flavorful carrot. The high carotene insures a deep orange color throughout and a high vitamin A potential. A Nantes-type that is a uniform 7-8" long. Good for canning and freezing

Juliana-Twilley Seeds

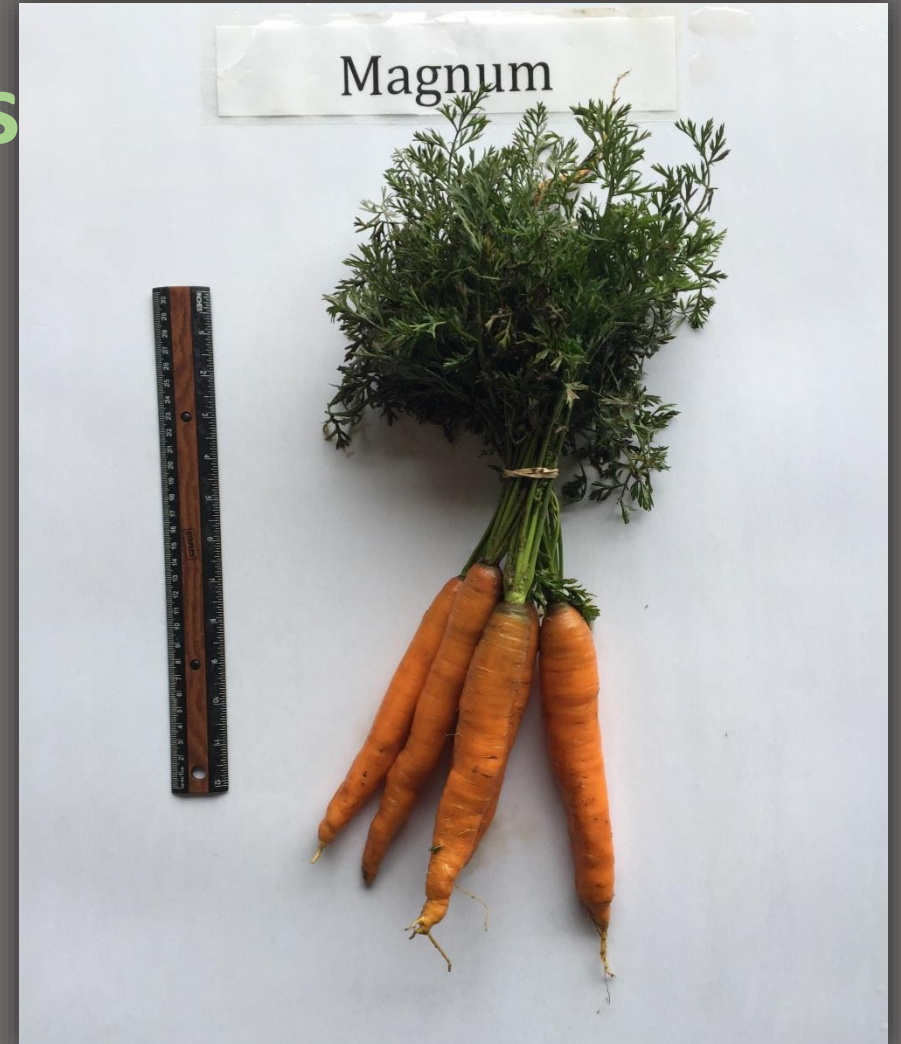
Measurement	Results
Number of Marketable Roots	125
Weight of Marketable Roots (lbs)	39.8
Number of Unmarketable Roots	158
Total Number of Roots	283
Weight of Unmarketable Roots	29.75
% of Marketable Roots	57
Total Yield (lbs)	69.55
Yield/100'	115.9
Yield per acre at 17,200 row feet/acre	19,938



Catalog Notes: Slow to bold allowing for longer planting season. Cylindrical root with blunt tip is 7-9" long with about 1" diameter. Intense orange color with small core. Very uniform size and shape with lower rate of green shoulder than other varieties. Vigorous plant with good foliage.

Magnum—Stokes Seeds

Measurement	Results
Number of Marketable Roots	390
Weight of Marketable Roots (lbs)	58.3
Number of Unmarketable Roots	329
Total Number of Roots	719
Weight of Unmarketable Roots	25.2
% of Marketable Roots	70
Total Yield (lbs)	83.5
Yield/100'	139.2
Yield per acre at 17,200 row feet/acre	23,937



Catalog Notes: Excellent tasting medium orange roots are cylindrical, averaging 8.5 in/21 cm in length, with blunt tips at full maturity. Very strong tops, stores well, good tolerance to breakage, some tolerance to ALT.

Miami-Bejo Seeds

Measurement	Results
Number of Marketable Roots	168
Weight of Marketable Roots (lbs)	45.2
Number of Unmarketable Roots	99
Total Number of Roots	267
Weight of Unmarketable Roots	18.2
% of Marketable Roots	71
Total Yield (lbs)	63.4
Yield/100'	105.7
Yield per acre at 17,200 row feet/acre	18,175



Catalog Notes: Mid-late maturity for late summer-winter cultivation. Strong, healthy upright foliage. Miami produces beautiful sweet, cylindrical and strong roots. Well suited to all market specifications. Has given outstanding commercial results.

Mokum—Bejo Seeds

Measurement	Results
Number of Marketable Roots	169
Weight of Marketable Roots (lbs)	27
Number of Unmarketable Roots	160
Total Number of Roots	327
Weight of Unmarketable Roots	17.9
% of Marketable Roots	60
Total Yield (lbs)	44.9
Yield/100'	74.8
Yield per acre at 17,200 row feet/acre	12,871



Catalog Notes: Very high-colored; almost coreless. Sweet, early bunching carrot.

Naval–Bejo Seeds

Measurement	Results
Number of Marketable Roots	245
Weight of Marketable Roots (lbs)	52.8
Number of Unmarketable Roots	171
Total Number of Roots	416
Weight of Unmarketable Roots	27.5
% of Marketable Roots	66
Total Yield (lbs)	80.3
Yield/100'	133.8
Yield per acre at 17,200 row feet/acre	23019



Catalog Notes: Mid-early continental Nantes variety. Produces uniform, smooth, well filled carrots with good internal and external colour.

Navarino—Stokes Seeds

Measurement	Results
Number of Marketable Roots	222
Weight of Marketable Roots (lbs)	44.9
Number of Unmarketable Roots	116
Total Number of Roots	338
Weight of Unmarketable Roots	17.8
% of Marketable Roots	72
Total Yield (lbs)	62.7
Yield/100'	104.5
Yield per acre at 17,200 row feet/acre	17,974



Catalog Notes: Outstanding by its exceptional taste. It is a sweet, refined, European Nantes-type hybrid that matures early. It has a smooth and bright skin, is uniform in shape and color.

Nayarit – Bejo Seeds

Measurement	Results
Number of Marketable Roots	109
Weight of Marketable Roots (lbs)	25.5
Number of Unmarketable Roots	165
Total Number of Roots	274
Weight of Unmarketable Roots	25.6
% of Marketable Roots	50
Total Yield (lbs)	51.1
Yield/100'	85.2
Yield per acre at 17,200 row feet/acre	14649



Catalog Notes: Smooth, high yielding slicing carrot with early yields. Dark orange color. Strong tops for mechanical harvest. 1" x 8".

Nelson-Bejo Seeds

Measurement	Results
Number of Marketable Roots	204
Weight of Marketable Roots (lbs)	48.4
Number of Unmarketable Roots	121
Total Number of Roots	325
Weight of Unmarketable Roots	20.7
% of Marketable Roots	70
Total Yield in 60' (lbs)	69.1
Yield/100'	115
Yield per acre at 17,200 row feet/acre	19,809



Catalog Notes: Freshmarket carrot: Uniform, early Nantes for bunching. Slender, smooth, superb color/flavor. Cylindrical, blunt, 6-7 inch roots; 10 inch tops; deep orange color.

Nevis—Twilley Seeds

Measurement	Results
Number of Marketable Roots	140
Weight of Marketable Roots (lbs)	15.5
Number of Unmarketable Roots	94
Total Number of Roots	234
Weight of Unmarketable Roots	16.5
% of Marketable Roots	48
Total Yield (lbs)	32
Yield/100'	53.3
Yield per acre at 17,200 row feet/acre	9,173



Catalog Notes: Coreless, sweet nantes flavor. Blunt cylindrical tip. Interior is orange with 12-14" tops. Tolerant ALB. Fresh market.

Newhall-Bejo Seeds

Measurement	Results
Number of Marketable Roots	104
Weight of Marketable Roots (lbs)	24.4
Number of Unmarketable Roots	135
Total Number of Roots	239
Weight of Unmarketable Roots	22.6
% of Marketable Roots	52
Total Yield (lbs)	47
Yield/100'	78.3
Yield per acre at 17,200 row feet/acre	13,473



Catalog Notes: Strong tops. Good field holding and storage

Norwalk-Bejo Seeds

Measurement	Results
Number of Marketable Roots	149
Weight of Marketable Roots (lbs)	22.35
Number of Unmarketable Roots	150
Total Number of Roots	299
Weight of Unmarketable Roots	12.05
% of Marketable Roots	65
Total Yield (lbs)	34.4
Yield/100'	57.3
Yield per acre at 17,200 row feet/acre	9861



Rainbow-Bejo Seeds

Measurement	Results
Number of Marketable Roots	129
Weight of Marketable Roots (lbs)	35.6
Number of Unmarketable Roots	90
Total Number of Roots	219
Weight of Unmarketable Roots	18
% of Marketable Roots	66
Total Yield (lbs)	53.6
Yield/100'	89.3
Yield per acre at 17,200 row feet/acre	15,365



Catalog Notes: The flavor varies a bit with root color, but all are tender, sweet, & flavorful. 7-9" tapered roots with strong tops. Rainbow is a single variety with color variability, it will mature uniformly, unlike colored carrot mixes created using several different varieties. Medium-tall tops. Nantes X Imperator type.

Romance – Stokes Seeds

Measurement	Results
Number of Marketable Roots	250
Weight of Marketable Roots (lbs)	56.3
Number of Unmarketable Roots	137
Total Number of Roots	387
Weight of Unmarketable Roots	21.2
% of Marketable Roots	73
Total Yield (lbs)	77.5
Yield/100'	129.9
Yield per acre at 17,200 row feet/acre	22,217



Catalog Notes: F1 hybrid. Uniform, smooth, cylindrical, medium orange roots average 8 in/20 cm, excellent taste. Outstanding orange interiors. Medium tops have good attachment, suitable for mechanical harvesting.

Scarlett Nantes

Bejo Seeds

Measurement	Results
Number of Marketable Roots	391
Weight of Marketable Roots (lbs)	10.8
Number of Unmarketable Roots	270
Total Number of Roots	661
Weight of Unmarketable Roots	17
% of Marketable Roots	39
Total Yield (lbs)	27.8
Yield/100'	46.3
Yield per acre at 17,200 row feet/acre	7969



Catalog Notes: Cylindrical roots are 7" long with blunt tips. Fine-grained bright red-orange flesh is nearly coreless. Great flavor, sweet and brittle. Good when used as baby carrots. Excellent for freezing and juicing. Widely adapted, stores well.

Siroco-Stokes Seeds

Measurement	Results
Number of Marketable Roots	137
Weight of Marketable Roots (lbs)	19.15
Number of Unmarketable Roots	162
Total Number of Roots	299
Weight of Unmarketable Roots	13.25
% of Marketable Roots	59
Total Yield (lbs)	32.4
Yield/100'	54
Yield per acre at 17,200 row feet/acre	9,288



Catalog Notes: Nantes type with long, slightly tapered cylindrical roots, an even diameter and blunt finish. Excellent exterior and interior color with small core and sweet flavor. Ideal jumbo for fresh market or processing/slicing and sticks

SV2384DL-Stokes Seeds

Measurement	Results
Number of Marketable Roots	206
Weight of Marketable Roots (lbs)	46.3
Number of Unmarketable Roots	165
Total Number of Roots	371
Weight of Unmarketable Roots	28.41
% of Marketable Roots	62
Total Yield (lbs)	74.71
Yield/100'	124.5
Yield per acre at 17,200 row feet/acre	21,417



Catalog Notes: High quality 12 in/28 cm long, thick cylindrical roots for mineral or muck soils. Strong 15 in/38 cm tops. Roots have semi-blunt tips with small cores. Darker orange color on mineral, and muck soils. Use for cellos or slicers, good taste!

Vitana–Stokes Seeds

Measurement	Results
Number of Marketable Roots	348
Weight of Marketable Roots (lbs)	55.9
Number of Unmarketable Roots	231
Total Number of Roots	579
Weight of Unmarketable Roots	20.1
% of Marketable Roots	74
Total Yield (lbs)	76
Yield/100'	126.7
Yield per acre at 17,200 row feet/acre	21,787



Catalog Notes: Cylindrical medium orange colored roots are very uniform, averaging 6-7 in./15-18 cm in length. Very strong healthy tops. European Nantes used for early spring field sowing or under plastic. For fresh market. Pelleted seed.

White Satin-Bejo Seeds

Measurement	Results
Number of Marketable Roots	130
Weight of Marketable Roots (lbs)	35.1
Number of Unmarketable Roots	146
Total Number of Roots	276
Weight of Unmarketable Roots	28.5
% of Marketable Roots	55
Total Yield (lbs)	63.6
Yield/100'	106
Yield per acre at 17,200 row feet/acre	18,232



Catalog Notes: Freshmarket/specialty. Luminous white roots with strong, 16-18 inch green tops. 10 inch tapered roots have unique crisp texture and juicy flavor. Roots store well. Available as organic seed.