

NC Certified Sweetpotato Seed Producers

Most varieties in North Carolina are certified using the standards for Micropropagated Virus-Indexed (VI) Sweetpotato Seed. These standards include field inspections that sample and record the incidence of Sweetpotato Feathery Mottle Virus (SPFMV) and other diseases. The seed production cycle begins with ELITE plants, which are directly derived from virus-indexed plants, and continues through two field generations (G1 and G2). Producers follow specific standards to reduce infection of SPFMV and other diseases. At the time of greenhouse plant and/or field plant inspections, counts are made of symptomatic plants (disease, other pests, and varietal purity) and this determines the disposition of the material.

Class	SPFMV standards, Field Inspection
ELITE	None allowed
G1	up to 1% for VI G1 > 1% - 25% for G1.
G2	up to 5% for VI G2 >5% - 25% for G2

SWEETPOTATO VARIETY DESCRIPTIONS

BEAUREGARD was released by the Louisiana Agricultural Experiment Station. The leaves are green and mainly heart shaped. Vines and petioles are green with light purple at the apex of the petiole and at leaf axis. The roots have a rose-colored skin and orange flesh. The roots do not become round in heavier soils or elongated in lighter soils. The variety is resistant to white grub and Streptomyces soil rot and is susceptible to root-knot nematode. It is a poor plant producer. It stores well. It normally matures in 105 - 110 days. There are currently three clones of this variety being certified (B94-14, B94-24, & B73)

CAROLINA ROSE was released by the North Carolina Agricultural Research Service. The leaves are heart shaped and green. Vines and petioles are green with light purple at the apex of the petiole. Roots are bright copper-rose in color with very smooth skin, flesh is deep orange, and roots are fusiform and well shaped. It has high levels of resistance to Fusarium wilt, but is susceptible to root-knot nematode and soil rot. It is an excellent plant producer. It stores well with few rots and little weight loss in storage. It normally matures in 100 - 105 days.

CAROLINA RUBY was released by the North Carolina Agricultural Research Service. The leaves are heart shaped and green. Vines and petioles are green with light purple at the apex of the petiole. Roots are a bright red color, with very smooth skin, flesh is deep orange, and roots are fusiform and somewhat blocky. It has high levels of resistance to Fusarium wilt, moderate resistance to soil rot but is susceptible to root-knot nematode. It is an excellent plant producer. It stores well with

few rots and little weight loss in storage. It normally matures in 95 - 100 days.

COVINGTON is a sweetpotato variety released by North Carolina Agricultural Research Service in 2005. The leaves are green and range from heart-shaped to slightly lobed. The roots are rose colored with an orange flesh. Shapes are blocky to fusiform with good size uniformity. The clone is resistant to Fusarium wilt and moderately resistant to Streptomyces soil rot (pox) and the southern root-knot nematode. Yields are high with a good packout of No. 1 grade roots. Eating quality is very good. Sprout production is moderate but about 10 days later than Beauregard. Harvest is 105-115 days after planting.

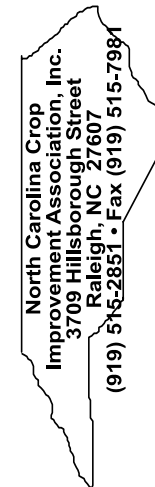
GRAND ASIA is a purple skinned, cream-fleshed clone suitable for Asian and Hispanic markets. It has a high dry-matter content that cooks up dry and moderately sweet, not as sweet as the 'Japanese' cultivar. It is similar in appearance and performance to 'Japanese', except that it is not as susceptible to russet crack. It is resistant to fusarium wilt. It is susceptible to Streptomyces soil rot (pox) and the southern-root knot nematode. Yield is good when compared to similar varieties. Harvest is 120 days after planting.

HATTERAS is an orange-fleshed, smooth-skinned, rose-colored, table stock sweetpotato. The leaves are typically green and triangular shaped, and the vines produce a dense canopy that competes well against weeds. The Hatteras normally produces uniform shaped storage roots, resulting in a high pack-out of No. 1 sweetpotatoes. It appears to be resistant to Fusarium wilt, moderately resistant to Streptomyces soil rot, and susceptible to southern root knot nematode. Good yields are normally harvested in 110 days.

HERNANDEZ was released by the Louisiana Agricultural Experiment Station. Leaves are cordate to slightly lobed with purplish veins. Vines and petioles are purple at the base and at the junction with the leaf axis. It has moderately long purple stems. Roots are fusiform, lightly grooved and red skinned. Resistance to Fusarium wilt and root-knot nematode is intermediate. It is moderately resistant to Streptomyces soil rot. It normally matures in 120 - 125 days.

JAPANESE is a purple-skinned, cream-fleshed clone suitable for Asian markets. The leaves are heart shaped and green. Vines and petioles are green with light purple at the apex of the petiole. It is resistant to Fusarium wilt. It is susceptible to Streptomyces soil rot (pox) and the southern root-knot nematode. It is also susceptible to the russet crack strain of sweetpotato feathery mottle virus. Matures at around 120 days.

O'HENRY is a white-skinned, cream-fleshed variant of Beauregard. The leaves are green and mainly heart shaped. Vines and petioles are green with light purple at the apex of the petiole and at leaf axis. Its maturity and disease resistance is the same as Beauregard. Eating quality is similar to Beauregard, though the flesh is a little drier, but not as dry as some of the old white varieties.



<u>Legend:</u> VI - Virus-indexed ▪ G1 (0 – 3% FMV during field inspection) ▪ G2 (0 – 6% FMV during field inspection) G1 (>3% - 5% FMV during field inspection) G2 (>6% - 25% FMV during field inspection)	Beauregard B94-14	Beauregard B94-24	Carolina Ruby	Covington	Grand Asia	Hatteras	Hernandez	Japanese	O'Henry
B & B Produce – Bob Bassetti 2778 NC 50 South, Benson, NC 27504 Tel: 919-894-2527 Fax: 919-894-2127	ELITE	ELITE		ELITE	ELITE				ELITE
Burch Equipment LLC – Ted Burch 685 Burch Road, Faison, NC 28341 Tel: 910-267-5781 Fax: 910-267-1133				VI G1		VIG2			
ERW Farms 5181 Strickland Road, Bailey NC 27807 Tel: 252-205-1291		ELITE VI G2		ELITE G2					
Finch Nursery PO Box 699, Bailey NC 27807-0699 Tel: 252- 235-4662 Fax: 252- 235-2411		ELITE G1		ELITE G1					ELITE VI G1
Godwin Produce Co. – David & Anthony Godwin PO Box 163, Dunn, NC 28334-0163 Tel: 910-892-4171 Fax: 910-892-2232	VI G2 G2								
Ham Farms - Bobby Ham 90 Ham Produce Road, Snow Hill, NC 28580 Tel: 252-747-2647 Fax: 252-747-3761	ELITE			ELITE	ELITE				
Tull Hill Farms, Inc. – Kendall Hill 2264 Hugo Road, Kinston, NC 28501 Tel: 252-523-4406 Fax: 252-523-8052		VI G1 G1		VI G1		VIG1			
Jimmy D. Jones, Jr. 7094 Honeysuckle Lane, Bailey, NC 27807 Tel: 252-235-3248 Fax: 252-235-0155	ELITE VI G1	ELITE VI-G1 G1		ELITE VI G1 G1		ELITE VIG1	ELITE VI G1	ELITE VI G1	ELITE VI G1
Leggett Farming Partnership 3593 West Old Spring Hope Road Nashville, NC 27856 Tel: 252-459-4961 Fax: 252-459-4928	ELITE G1 VI G2 G2	ELITE VI G1 G1 VI G2 G2		ELITE VI G1 VI G2 G2		ELITE VIG1 G1 G2			
Danny Pierce 674 Lassiter Road, Princeton, NC 27569 Tel: 919-920-0238, 919-736-4863 (h) Fax: 919-581-8493	ELITE	ELITE		ELITE		ELITE	ELITE		ELITE
Raincrow Farms - G.B. Hatcher 305 Weeks Road, Clinton, NC 28328 Tel: 910-592-1139 Fax: 910-592-4068				ELITE					
J.B. Rose & Sons - Allen Rose 2640 Old Bailey Highway, Nashville, NC 27856 Tel: 252-459- 7608 Fax 252-459-6189		G2		VI G2					
Scott Farms - Sonny & Dewey Scott 7965A Simpson Road, Lucama, NC 27851 Tel: 919-284-4030 Fax: 919-284-4872	ELITE VI G1 G1		ELITE VI G1	ELITE VI G1 VI G2	ELITE VI G1	VIG1 G1	ELITE VI G1		ELITE VI G1 G1
South Ridge Farms – Tony Johnson 4074 Benson Hardee Road, Benson, NC 27504 Tel: 919-894-2727 Fax: 919-894-6048	VI G1			ELITE VI G1 G1			VI G1		
Vick Family Farms Partnership - Jerome Vick 11124 Christian Road, Wilson, NC 27896-8115 Tel: 252-291-8880 Fax: 252-243-0818		VI G1		VI G1					
Terrell Williams 2866 Maxwell Road, Autryville, NC 28318 Tel: 910-567-2245 Fax: 910-567-2603	VI G1 G1 VI G2			G1 VI G1 VI G2		G1			G1 VI G1 VI G2