

# VEGETARIAN NEWSLETTER

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University of Florida  
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Cooperative Extension Service

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## COMMERCIAL VEGETABLES

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## [List of Extension Vegetable Crops Specialists](#)

### \* \* \* \* \* UPCOMING EVENTS CALENDAR \* \* \* \* \*

**Tri-States Watermelon/Cucurbit Meeting.** Washington County Ag. Center. Tuesday, January 14, 2003. Contact Charles Brasher at 850-482-9620 or [cbrasher@mail.ifas.ufl.edu](mailto:cbrasher@mail.ifas.ufl.edu)

**Florida Postharvest Horticulture Industry Tour.** Statewide. March 10-13, 2003. Contact Steve Sargent at 352-392-1928 or [sasa@mail.ifas.ufl.edu](mailto:sasa@mail.ifas.ufl.edu) OR Mark Ritenour at 561-201-5548 or [mrit@mail.ifas.ufl.edu](mailto:mrit@mail.ifas.ufl.edu)

**Drip Irrigation School.** Ft. Pierce-IRREC. March 13, 2003. Contact Betsy Lamb at 772-468-3922 x138 or [emlamb@mail.ifas.ufl.edu](mailto:emlamb@mail.ifas.ufl.edu)

**Florida Postharvest Horticulture Institute at FACTS** (Florida Agricultural Conference & Trade Show). Lakeland. April 29-30, 2003. Contact Steve Sargent at 352-392-1928 or [sasa@mail.ifas.ufl.edu](mailto:sasa@mail.ifas.ufl.edu)

**Vegetable Field Day.** GCREC-Bradenton. April 10, 2003. Contact Don Maynard at 941-751-7636 x239 or [dnma@mail.ifas.ufl.edu](mailto:dnma@mail.ifas.ufl.edu)

**116<sup>th</sup> Florida State Horticultural Society.** Sheraton World Resort Hotel International Drive - Orlando, June 8-10, 2003.

## [SPECIALTY POTATO VARIETY EVALUATION, 2002](#)

<b>General Comments</b>	
A goal of the specialty potato variety trial is to identify potato selections that expand the selection of commercial varieties for Florida. In 2002, the trial was conducted at the UF Farm and two grower farms in the Hastings area. Established varieties were included for comparison of production and quality values. The clone main effect data, an average over all test sites, is presented.	
<b>Planting Information</b>	
Planting Sites	Hastings REC, Yelvington Farm, Hastings, FL (UF Farm) Flagler County Grower Site, Bunnell, FL (FC) St. Johns County Grower Site, Hastings, FL (STJ)
Planting Dates	UF Farm (1/30/02), STJ (1/24/02), FC (1/25/02)
Harvest Dates	UF Farm (5/21/02), STJ (5/8/02), FC (5/14/02)
Season Length	UF Farm (111), STJ (104), FC (109)
Fertilizer Program	IFAS program: 200 lb N/acre, P (soil test), K (soil test).
Irrigation Program	seepage
<b>Experimental Design (3 sites x 16 clone factorial design)</b>	
Number of Sites	3
Number of Selections	16
Within Row Spacing	8 in (20.3 cm)
Between Row Spacing	40 in (102 cm)
Replications	4 at each site
Plot Size	16 ft (4.9 m) single row
<b>Production Statistics</b>	
Early Vigor Ratings	UF Farm (44), STJ (42), Flagler (44 days after planting)
Highest Total Yield	Red LaSoda (430 cwt/acre or 48.2 MT/ha)
Highest Marketable Yield	Red LaSoda (392 cwt/acre or 43.9 MT/ha)
Best Overall Tuber Appearance	Carola, B0811-4, S48-6 (7.1, good to excellent)
Plant Growth and Tuber Characteristics	Scored following values in <a href="#">Table 1</a> and <a href="#">Table 2</a> .

### Specific Comments

**LaChipper (MFX).** LaChipper total and marketable tuber yields were 245 and 216 cwt/acre, respectively. Potato tuber skin color was white with a moderately smooth to smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as 'mostly round' to 'round to oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for LaChipper tubers was 1.066.

**Red LaSoda (MFX).** Red LaSoda total and marketable tuber yields were 430 and 392 cwt/acre, respectively. Potato tuber skin color was pink to red with a moderately smooth to smooth texture. Tuber flesh color was white to cream. Tuber shape was rated as 'mostly round' to 'round to oblong' with an eye depth of deep to intermediate. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Red LaSoda tubers was 1.058.

**Austrian Crescent (Cornell).** Austrian Crescent total and marketable tuber yields were 199 and 180 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted to moderately smooth texture. Tuber flesh color was light to medium yellow. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 4 to 6 inches with a diameter of 1.5 to 2.5 inches. Tubers were curved with tapered ends. Eye depth was rated as intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Austrian Crescent tubers was 1.069.

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**Banana (Cornell).** Banana total and marketable tuber yields were 195 and 182 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted to moderately smooth texture. Tuber flesh color was cream to light yellow. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 3 to 5 inches with a diameter of 1 to 2 inches. Tubers were curved with tapered ends. Eye depth was rated as intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Banana tubers was 1.075.

**Carola (Cornell).** Carola total and marketable tuber yields were 328 and 236 cwt/acre, respectively. Potato tuber skin color was buff to white with a slightly netted to moderately smooth texture. Tuber flesh color was light to medium yellow. Tuber shape was rated as 'round to oblong' with an eye depth of shallow to very shallow. Overall external tuber appearance was noted as good to excellent. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Carola tubers was 1.063.

**French Fingerling (Cornell).** French Fingerling total and marketable tuber yields were 248 and 244 cwt/acre, respectively. Potato tuber skin color was difficult to classify but considered a pinkish-salmon. Skin texture was rated as 'moderately smooth' to 'smooth'. Tuber flesh color was light to medium yellow. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 4 to 6 inches with a diameter of 2 to 3 inches. Tubers were tapered at the ends. Eye depth was rated as intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for French Fingerling tubers was 1.067.

**German Butterball (Cornell).** German Butterball total and marketable tuber yields were 273 and 179 cwt/acre, respectively. Potato tuber skin color was tan with a slightly netted texture. Tuber flesh color was light to medium yellow. Tuber shape was rated as 'round to oblong' with an eye depth of shallow to very shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for German Butterball tubers was 1.069.

**Laratte (Cornell).** Laratte total and marketable tuber yields were 191 and 185 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted to moderately smooth texture. Tuber flesh color was cream to light yellow. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 3.5 to 4 inches with a diameter of 1.5 to 2 inches. Tubers were tapered at the ends. Eye depth was rated as intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Laratte tubers was 1.074.

**Ozette (Cornell).** Ozette total and marketable tuber yields were 139 and 132 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted to moderately smooth texture. Tuber flesh color was cream to light yellow. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 1.5 to 2 inches with a diameter of 1.5 to 2 inches. Tubers were barrel shaped. Eye depth was rated as deep to intermediate. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 2 to 4 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Ozette tubers was 1.070.

**Peanut (Cornell).** Peanut total and marketable tuber yields were 174 and 170 cwt/acre, respectively. Potato tuber skin color was brown to tan with a netted to slightly netted texture. Tuber flesh color was light to medium yellow. Tuber shape was rated as 'mostly oblong' to 'oblong'. Average tuber length was 2.5 to 3 inches with a diameter of 1 to 1.5 inches. Tubers were pear shaped. Eye depth was rated as intermediate to shallow. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for Peanut tubers was 1.075.

**Purple Peruvian (Cornell).** Purple Peruvian total and marketable tuber yields were 188 and 185 cwt/acre, respectively. Potato tuber skin color was dark purple with a slightly netted to moderately smooth texture. Tuber flesh color was dark blue to purple. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 2.5 to 3 inches with a diameter of 0.75 to 1.25 inches. Tubers were barrel shaped. Eye depth was rated as deep. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 4 to 6 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as starting to mature to moderately mature. Average specific gravity for Purple Peruvian tubers was 1.082.

**Rose Finn Apple (Cornell).** Rose Finn Apple total and marketable tuber yields were 151 and 93 cwt/acre, respectively. Potato tuber skin color was tan to buff with a slightly netted to moderately smooth texture. Tuber flesh color was light to medium yellow. Tuber shape was rated as 'oblong' to 'oblong to long'. Average tuber length was 2.5 to 4 inches with a diameter of 0.75 to 1.25 inches. Tubers were crescent shaped with blunt ends. Eye depth was rated as intermediate to deep. Overall external tuber appearance was noted as poor to fair. Early plant vigor (size) was rated as leaves in a rosette. Vine type at full flower was rated as upright with a fair to good canopy. Plant maturity at harvest was rated as moderately mature to yellow and dying. Average specific gravity for Rose Finn Apple tubers was 1.070.

**B0811-4 (USDA).** B0811-4 total and marketable tuber yields were 244 and 207 cwt/acre, respectively. Potato tuber skin color was pink to red with a moderately smooth to smooth texture. Tuber flesh color was medium yellow. Tuber shape was rated as 'mostly round' to 'round to oblong' with an eye depth of shallow to very shallow. Overall external tuber appearance was noted as good to excellent. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as upright with a poor to fair canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for B0811-4 tubers was 1.086.

**NYT17-2 (Cornell).** NYT17-2 total and marketable tuber yields were 215 and 120 cwt/acre, respectively. Potato tuber skin color was dark pink to red with a slightly netted to moderately smooth texture. Tuber flesh color was pink to red. Tuber shape was rated as 'oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 8 to 10 inches. Vine type at full flower was rated as spreading to upright with a fair canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for NYT17-2 tubers was 1.066.

**S45-5 (Cornell).** S45-5 total and marketable tuber yields were 255 and 191 cwt/acre, respectively. Potato tuber skin color was purple with a slightly netted to moderately smooth texture. Tuber flesh color was purple. Tuber shape was rated as 'round to oblong' to 'mostly oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as fair to good. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as decumbent to spreading with a fair canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for S45-5 tubers was 1.061.

**S48-6 (Cornell).** S48-6 total and marketable tuber yields were 319 and 273 cwt/acre, respectively. Potato tuber skin color was dark pink to red with a slightly netted to moderately smooth texture. Tuber flesh color was pink to red. Tuber shape was rated as 'mostly oblong' to 'oblong' with an eye depth of intermediate to shallow. Overall external tuber appearance was noted as good to excellent. Early plant vigor (size) was rated as 6 to 8 inches. Vine type at full flower was rated as spreading to upright with a good canopy. Plant maturity at harvest was rated as yellow and dying to completely dead. Average specific gravity for S48-6 tubers was 1.058.

**Table 1.** Florida rating codes for plant growth characteristics.

Rating Code	Early Vigor	Plant Type at Full Flower	Vine Maturity At Harvest/Vinekill
1	No Emergence	Decumbent – Poor	Dead
2	Leaves in Rosette	Decumbent – Fair	--
3	Plants < 2"	Decumbent – Good	Yellow and Dying
4	Plants 2" to 4"	Spreading – Poor	--

5	Plants 4" to 6"	Spreading – Fair	Moderately Mature
6	Plants 6" to 8"	Spreading – Good	--
7	Plants 8" to 10"	Upright – Poor	Starting to Mature
8	Plants 10" to 12"	Upright – Fair	--
9	Plants > 12"	Upright - Good	Green and Vigorous
Based on Sisson and Porter, 1999.			

**Table 2.** Florida rating codes for tuber characteristics.

Rating	Internal	Skin	Skin	Tuber	Eye	Overall Tuber
Code	Flesh Color	Color	Texture	Shape	Depth	Appearance
1	White	Purple	Part. Russet	Round	Very Deep	Very Poor
2	Cream	Red	Heavy Russet	Mostly Round	--	--
3	Light Yellow	Pink	Mod. Russet	Round to Oblong	Deep	Poor
4	Medium Yellow	Dark Brown	Light Russet	Mostly Oblong	--	--
5	Dark Yellow	Brown	Netted	Oblong	Intermediate	Fair
6	Pink	Tan	Slightly Netted	Oblong to Long	--	--
7	Red	Buff	Mod. Smooth	Mostly Long	Shallow	Good
8	Blue	White	Smooth	Long	--	--
9	Purple	Cream	Very Smooth	Cylindrical	Very Shallow	Excellent
Based on Sisson and Porter, 1999.						

**(Hutchinson - Vegetarian 02-12)**

## POTENTIAL HERBICIDES FOR VEGETABLES

There are several herbicides that have a potential for labeling in Florida in the near future. The labeling is contingent upon the company and because it is mentioned here, does not guarantee that the label will be issued. But, if a label is issued with this update, hopefully you won't be caught off guard.

As you know, Matrix (rimsulfuron) was labeled in tomatoes and Aim (carfentrazone) and Sandea (halosulfuron) were granted section 18 labeling this year. Full labels for Aim in tomato, pepper and eggplant row middles are expected shortly as well as a full label for Sandea on tomatoes and for pepper and eggplant row middles. Labels on Sandea are also expected in snap beans, muskmelon and watermelon. The cucurbit labels will all be different since cucumber (already labeled) and muskmelons are fairly tolerant to Sandea over-the-top while watermelon is sensitive at different timings.

Labels for Sinbar (terbacil) are expected in strawberries and under mulch in watermelons. Watermelons are very tolerant of Sinbar, but the other cucurbits are not.

At this writing, Dow is meeting to discuss the labels for Stinger (clopyralid) on the cole (cruciferous) crops and over-the-top of strawberries. The strawberry label may have to be a third-party label. Stinger applied over cabbage, collards, mustard, etc. have been shown to be safe and will control a number of winter annual weeds.

Dual Magnum (S-metolachlor) is now labeled under a third-party agreement for use pretransplant in pepper. A label for pretransplant use under mulch is also expected in tomato.

A full label for the use of glyphosate in row middles has been issued for Roundup Weathermax. The weathermax formulation is not sold in Florida presently, but a supplemental label has been issued for the use of Roundup Ultramax in row middles.

Hopefully, we will be seeing the above labels shortly. For your information, there are a number of trials in progress to establish tolerances of several herbicides in vegetables. Some of the ones that are of interest include: Goal (oxyfluorfen) under mulch in pepper and cucumber; Goal row middle in strawberry; Valor (flumioxazin) row middle application in tomato, pepper and strawberry; Authority/Spartan (sulfentrazone) in potato and strawberry; Prowl (pendimethalin) in strawberry; and Cobra (lactofen) in tomato and pepper row middles.

If there are herbicide uses or needs in vegetables that you know of, please contact me so these can be included in the next priority meetings of IR-4.

**(Stall - Vegetarian 02-12)**

## PLASTIC MULCH COLOR AND SOIL TEMPERATURES

Plastic mulch surface color has been reported to affect growth, yield, quality of upwardly reflected light, and soil temperatures under the mulch. Much of the temperature work has been done to either increase early season soil temperatures or to reduce summer soil temperatures. The data presented here are a part of a larger study using various colors of plastic mulch in a double cropping system. The time period for the second crop was from Aug. to Oct. 2002. With the six colors used (blue, red, silver-gray, black, white, and white-on-black), there was little measurable temperature differences under the plastic mulch at a soil depth of 5 cm. The morning temperatures taken at 8:30 am (Fig. 1) indicates a slightly higher soil temperature than the air or bare ground for the silver (gray) and white mulches. The differences from the highest morning soil temperature (24.5 c) to the lowest (23.3 c) is only 1.2 c. In the afternoon taken at 3:30 pm (Fig. 2) all mulch colors resulted in higher soil temperatures than the air or bare ground. Again, the difference between the bare ground which had the lowest soil temperature (28.0 c) and the blue mulch which had the highest (30.4 c) was only 2.3 c. The soil temperatures for all plastic mulches tested only differed by 0.9 c in the afternoon measurement. Table 1 and Table 2 have the data for each measurement for temperatures of each treatment over the Aug. to Oct. time period. In this study, mulch color had some influence on soil temperatures at 5 cm, but not as much as expected. The temperatures were taken in moist soil due to the drip irrigation system.

Fig. 1. Average Morning Soil Temperature at 5 cm. in Different Color Plastic Bed Covers, 6 Aug.- 18 Oct. 2002, MREC Apopka

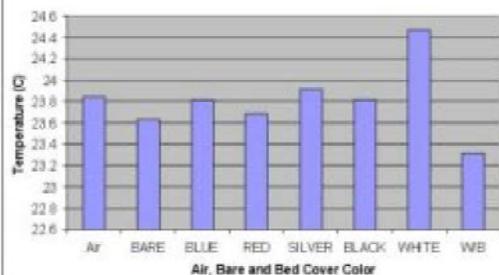
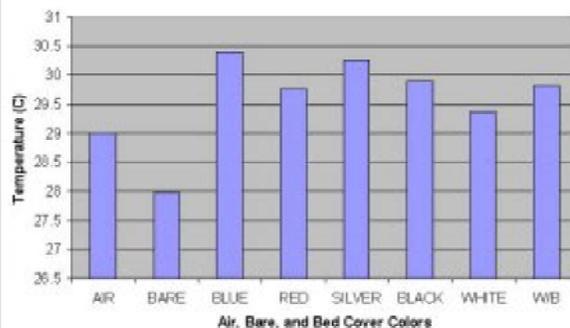


Figure 2. Average Afternoon Soil Temperatures at 5 cm. in Different Color Plastic Bed Covers, 16 Aug. - 21 Oct. 2002, MREC Apopka



**Table 1.** Temperature (°C) in Raised, Different Colored Beds Covered with Plastic Mulches, Fall 2002, Apopka.

Date	Time	Air Temp	Bare Temp	Blue Temp	Red Temp	Silver Temp	Black Temp	White Temp	W/b Temp
6-Aug	8:30 AM	28	28	28.5	28.5	28.5	28	29	28
12-Aug	8:30 AM	24	24	25.5	25.5	25.5	25	26.5	25
16-Aug	8:30 AM	30.5	27.5	27.5	27	27	27.5	27.5	27
21-Aug	8:30 AM	27	25.5	26	26	26	26	27.5	26
27-Aug	8:30 AM	22.5	23	23.5	23.5	23.5	23.5	25	23.5
29-Aug	8:30 AM	24.5	25.5	24	24	24	25.5	24.5	23.5
3-Sep	8:30 AM	22.5	24.5	24	24.5	24	24.5	25	24
6-Sep	8:30 AM	25	23	23.5	23	23.5	23.5	24	23
10-Sep	8:30 AM	26.5	26.5	26.5	25	25.5	26.5	26	24.5
13-Sep	8:30 AM	24	23	23.5	23.5	23	23	24	23
16-Sep	8:30 AM	25	25	24.5	24.5	24.5	24.5	25	24
19-Sep	8:30 AM	26	25	25.5	24.5	25.5	25.5	26	24.5
25-Sep	8:30 AM	22.5	23	23	23	23.5	23	23.5	22.5
30-Sep	8:30 AM	24.5	23	23.5	22.5	23.5	23.5	24	23
4-Oct	8:30 AM	20	21.5	21.5	22.5	22	20.5	22.5	20.5
7-Oct	8:30 AM	20.5	21.5	22.5	22.5	22.5	22.5	23	21.5
10-Oct	8:30 AM	20	22.5	22.5	22.5	24	23	23.5	23
14-Oct	8:30 AM	21.5	20	20	21	21	20	21	20.5
18-Oct	8:30 AM	18.5	17	17	16.5	17.5	17	17.5	16
		Air	BARE	BLUE	RED	SILVER	BLACK	WHITE	W/B
Average		23.8	23.6	23.8	23.7	23.9	23.8	24.5	23.3

Date	Time	Air Temp	Bare Temp	Blue Temp	Red Temp	Silver Temp	Black Temp	White Temp	W/B Temp
16-Aug	3:30 PM	32	31.5	33.5	34	32.5	34.5	33.5	32
22-Aug	3:30 PM	26	27	26.5	26	28.5	30	30.5	28.5
27-Aug	3:30 PM	28.5	29.5	31.5	30.5	30	33.5	31	29
30-Aug	3:30 PM	23	26	28	27.5	27	28.5	29	27
5-Sep	3:30 PM	32.5	30.5	32	30.5	32	34.5	32.5	31
6-Sep	3:30 PM	27	29	28	30	28	20	31.5	29.5
10-Sep	3:30 PM	33	31	35	34	32	35.5	34	34.5
16-Sep	3:30 PM	33	31	35.5	36	35	37	31	33
19-Sep	3:30 PM	32	33.5	34	32	32.5	33.5	31	32.5
30-Sep	3:30 PM	27	26	30.5	27.5	32.5	3.5	25.5	28.5
3-Oct	3:30 PM	28.5	24.5	30	27	25	31.5	25	27.5
7-Oct	3:30 PM	27.5	24.5	25.5	26.5	31	33.5	26.5	29
10-Oct	3:30 PM	28	24	27.5	26	29	30	25	27
21-Oct	3:30 PM	28	23.5	28	29	28.5	33	25	28.5
		AIR	BARE	BLUE	RED	SILVER	BLACK	WHITE	W/B
Average		29	28.0	30.4	29.8	30.3	29.9	29.4	29.8

(White - Vegetarian 02-12)

### Extension Vegetable Crops Specialists

<b>Daniel J. Cantliffe</b> Professor and Chairman	<b>Ronald W. Rice</b> Assistant Professor, nutrition
<b>John Duval</b> Assistant Professor, strawberry	<b>Steven A. Sargent</b> Professor, postharvest
<b>Chad Hutchinson</b> Assistant Professor, vegetable production	<b>Eric Simonne</b> Assistant Professor <i>and editor</i> , vegetable nutrition
<b>Elizabeth M. Lamb</b> Assistant Professor, production	<b>William M. Stall</b> Professor, weed control
<b>Yuncong Li</b> Assistant Professor, soils	<b>James M. Stephens (retired)</b> Professor, vegetable gardening
<b>Donald N. Maynard</b> Professor, varieties	<b>Charles S. Vavrina</b> Professor, transplants
<b>Stephen M. Olson</b> Professor, small farms	<b>James M. White</b> Associate Professor, organic farming
<b>Mark A. Ritenour</b> Assistant Professor, postharvest	

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*This page is maintained by [Susie Futch](#).... if you have any questions or comments, contact me at [zsf@mail.ifas.ufl.edu](mailto:zsf@mail.ifas.ufl.edu)*