

Peach And Nectarine Cultivars: A New Jersey Perspective

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The testing and evaluation of peach and nectarine cultivars has been an ongoing research project in New Jersey since 1983. The New Jersey Agricultural Experiment Station has had a fruit breeding program since 1907 developing hundreds of cultivars, some having wide scale impact in peach producing areas outside of the region. The Babygold series developed in New Jersey have been planted and used throughout Michigan, Ontario, and Western New York. Blake was a major variety in the southeastern United States. Encore, a very productive late variety has been popular in Washington State and the Midwestern United States. Saturn for many years was the first and only peento or flat peach marketing in the United States and is widely grown in California. Jerseyqueen, Sun high, and Autumn glo have been major varieties. All of these peaches originated at the New Jersey Agricultural Experiment Station.

Similarly, this research program has had success in evaluating peach varieties for Mid Atlantic conditions. Varieties like John Boy, Laurel, Sentry and Bounty are all major varieties in the mid Atlantic area and are the result of information disseminated from this research project. White Lady was first tested as a numbered selection in this program and subsequently named and is now the first low acid white peach and the major white-fleshed peach in the Eastern United States. A similar situation occurred with Eastern glo nectarine. Many of the varieties planted throughout the mid Atlantic area of the United States are the result of information and recommendations from this research project.

Information on the project is posted on the peach science web site at www.rce.rutgers.edu/peach. The following are a few articles published in 2004.

Frecon, J. L. 2004. Register of New Fruit and Nut Cultivars List 42, Peach. *Hort Science* 39(6): 1512-1513;

Frecon, J. L., 2004. Register of New Fruit and Nut Cultivars List 42, Nectarine. *Hort Science* 39(6): 1511-1512; Frecon, J. L., 2004.

Numerous Varieties of Flat Peaches Introduced. *The Fruit Growers News*. Vol 43(2) 23;

Frecon, J. L. 2004. What are Flat Peaches? *Horticultural News* 84(1) 22-24;

The balance of this report is broken into four sections. First is Table 1 which lists recommended, or suggested varieties for planting in New Jersey. Note the varieties marked with an asterisk have a high bud density and with their record of productivity may be better adapted to production areas of New York and Ontario. However there is no substitute like local research. The second section describes in order of ripening, varieties that may be recommended or show promise for trial plantings. The third section describes varieties under test that appear to have no special characteristics that would warrant further testing or planting. Both of these sections include varieties that are currently planted in test blocks. The last section lists a group of varieties that have been tested since the inception of the project but are not recommended or suggested for commercial planting. Many selections from the New Jersey Agricultural Experiment Station program or from other private and public breeding programs are not listed or described because they have not been named or introduced.

Some Interesting Varieties in 2003-2004 (In Order of Ripening)

Queencrest - A very early yellow-fleshed clingstone peach ripening most

New Jersey has a large peach and nectarine evaluation project that has had success in evaluating peach varieties for Mid Atlantic conditions. This article presents comprehensive results from New Jersey evaluations on numerous varieties with suggestions for varieties that may be adapted for production areas of New York. However there is no substitute for doing local evaluations of adaptability.

years in late June in southern New Jersey. While the fruit size is only medium it has been productive with few split pits. It is also attractive with a scarlet red overcolor over 70-80% of the surface.

Spring Snow - A firm, medium sized, white-fleshed peach ripening in late July but will hang for a week. A pinkish, purple red skin color covers 80-90% of the surface making it attractive. The flavor is sub-acid and good for this early in the season. It will produce split pits. The tree is vigorous, moderately productive, and slightly susceptible to bacterial spot.

Sunbrite - It ripens just after Queencrest but may have better size. While the skin color is only slightly less complete, the fruit seems more uniform with firmer yellow-flesh. Sunbrite is a pretty peach with tolerance to bacterial spot.

Flamin Fury PF 5B - An attractive, firm, medium sized, yellow-fleshed clingstone peach ripening on July 7. The tree is vigorous, very productive, and tolerant to bacterial spot. Size is the main problem with this attractive cultivar.

Empress - This attractive bright red-skinned, clingstone variety ripens with, or just after Sunbrite. Empress has very firm yellow flesh. The tree has not been consistently productive but it is sitting in

a lower area of our variety block in Richwood, which increases its exposure to lower temperature.

SpringFlame - This early season variety previously identified as Burchell D2. 102 ripens with Empress and Sunbrite. It has an attractive scarlet red overcolor completely covering the skin. Pubescence is light, fruit size is very good for this season with mostly 2 1/2 inch fruit. The flavor is good, the flesh is very firm and semi clingstone. Developed by Burchell Nurseries in Oakland California the tree is vigorous, moderately productive, and susceptible to bacterial spot. I notice in their catalog Springflame is a trademarked name that is used for a number of generic varieties.

Arctic Star - This is the standard for an early white-fleshed nectarine ripening on July 10. The size is medium large with all of the fruit between 2 1/2 to 2 3/4 inches in diameter. It has a beautiful pink red skin color over 70-90% of the surface with a cream white undercolor. It has a semi clingstone, firm, white-flesh. The flavor is low acid and very good. It is moderately susceptible to bacterial spot and will crack under conditions of excessive moisture rendering it very susceptible to bacterial spot. The tree is upright-spreading, vigorous, and moderately productive. Developed by Zaiger Genetics in Modesto, California.

Harrow Dawn - A yellow-fleshed peach with large size ripens on July 10. It however lacks the color and firmness of other varieties in this season. Harrow Diamond, an older variety, ripens just before Harrow Dawn and seem to have better color and flavor. Both varieties have vigorous, productive spreading trees tolerant to bacterial spot.

NJ D88-147 - An early season, yellow-fleshed clingstone peach with low acid flavor ripening on July 11. This peach is unusual because it is large, has complete red overcolor and is very attractive. It appears to be tolerant to bacterial spot. Virus indexed at NRSP-5 project and ready for introduction.

Manon - A firm, complete red-skinned, white-fleshed, clingstone peach ripening on July 12. Manon has an excellent low acid flavor while not as firm as Snow Prince is larger and has less bacterial spot. Because of its size this early in the season it should be considered for planting. Developed by the Riviera Breeding Program in the Provence Region of southeastern France.

Sugar May - A firm, dark pink, purplish red, white-fleshed, clingstone peach

ripening on July 12. The flavor is good but acidic. The tree is vigorous, productive and susceptible to bacterial spot. Developed by Zaiger Genetics in Modesto, California.

Snow Prince - A very firm, dull complete red skinned, white-fleshed clingstone peach ripening on July 12. It has a low acid flavor with clearer flesh color and larger fruit size than Spring Snow, which ripens about 4-5 days earlier. Both Spring Snow and Snow Prince hang on the tree well and have few split pits. Developed by Zaiger Genetics in Modesto, California.

NJK56-4 - A beautiful bright red, firm, white-fleshed semi-clingstone nectarine ripening just before EasternGlo and about two weeks before Redhaven. It has an 80 to 100% bright pinkish red skin color, good firmness, and very good eating quality. It is not as susceptible to bacterial spot as EasternGlo and has better flavor. It however may be about the same size or 2 3/4 inches. The finish was excellent in 2004. Fruit harvested on July 10 at the RAREC yielded 35.5% 2 1/4 to 2 1/2 inches and 64.5% 2 1/2 to 2 3/4 inches. Fruit harvested on July 14, 2004 at RAREC yielded 30.7% 2 1/4 to 2 1/2

TABLE 1

Suggested Varieties for Planting in New Jersey

Ripening Date in Southern NJ	Best Peach Varieties	Best Nectarine Varieties	Promising Peach Varieties for Trial	Promising Nectarine Var. for Trial
June 30 to Jul 5	Sunbrite		Queencrest Spring Snow (W)	
July 6 to 12	Flamin'Fury PF #5B Harrow Diamond* Spring Flame	ArcticStar (W)	Empress Scarlet Pearl (W) Harrow Dawn*	
July 13 to 19	Sentry Glenglo Summer Serenade	Arcticglo (W) Easternglo Arctic Sweet (W)	Flamin'Fury PF #7 Sugar May (W)	
July 20 to 26	Flavorcrest Gala	Harblaze	Saturn (W - flat) Snow Bride (W)	Nustar Jade (W)
July 27 to August 3	Early Loring Flamin'Fury PF15A* Redhaven* White Lady (W)	Summer Beaut Harflame	Redstar* Blazing Star	Emeraude (W)
August 4 to August 10	Bellaire John Boy Salem Coralstar	Flavortop Sunglo Arctic Jay (W)	Sugar Lady (W) Klondike White (W) Flamin'Fury PF 20-007	
August 11 to August 18	Flamin'Fury PF 17* Harrow Beauty* Bounty Loring Flamin'Fury PF 23* Flamin'Fury PF 24-007	Redgold	Allstar* Carolina Belle* (W) Contender Glowingstar Suncrest	Arctic Gold (W)
August 19 to August 26	Cresthaven Flamin' Fury PF 27A* Flamin' Fury PF Lucky 24B*	Fantasia	Blushingstar* (W) Sugar Giant (W)	
August 27 to September 3	Fayette Jerseyglo Jerseyqueen		Lady Nancy (W)	
September 3 to September 10	Autumnglo Encore* Laurel Flameprince		Snow Giant (W) Autumn Star Yukon King (W)	Arctic Pride (W)
After Sept 10	Parade		Big Red (CVN #3)	

*Indicates variety is the most productive or winter hardy in its season of ripening. (W) Indicates White-Fleshed. See FS687 Yellow-Fleshed Peach Varieties for New Jersey, FS686 White-Fleshed Peach Varieties for New Jersey, and FS642 Nectarine Varieties for New Jersey for complete descriptions of all varieties listed in this chart.

inches and 69. 3% 2 1/2 to 2 3/4 inches. Both Arcticglo and Easternglo harvested at the same time had comparable size. NJ 56-4 has better flavor, better productivity and fewer problems with brown rot and bacterial spot. Arctic Sweet white nectarine ripening at the same time is sub acid and slightly larger but is more susceptible to bacterial spot and brown rot, and less productive. Virus indexed at NRSP-5 project and propagated for introduction.

Sentry – Sentry is the standard yellow-fleshed variety in New Jersey ripening on July 13. It is an attractive variety with 60-70% scarlet red overcolor and reddish yellow undercolor. It is medium large, and the semi-clingstone flesh is moderately firm and of good quality. The tree is moderately productive, spreading, vigorous, and tolerant to bacterial spot.

Glenglo – A medium large, yellow-fleshed, semi-clingstone peach ripening on July 14. The skin is covered with a 60-80% crimson red overcolor. The flesh is firm with good flavor. The tree is vigorous, productive, spreading, and tolerant to bacterial spot. Glenglo is an alternative where Sentry is not productive.

Arcticglo – A very attractive reddish-white-fleshed nectarine ripening on July 14. This nectarine was spectacular in 2004 with complete blemish free skin. It is not a sub acid variety and getting medium size is always a challenge. Developed by Zaiger Genetics in Modesto, California.

Vulcan – An early season, orange-yellow-fleshed non-melting clingstone ripening on July 15. It has very good sweet and spicy flavor and medium large size. The trees are very vigorous but young. These trees are young but this look like a promising variety for canning.

Summer Serenade – A yellow-fleshed, semi-freestone peach ripening on July 16. It is firm fleshed and medium to medium large in size. The tree is of medium vigor, productive, spreading and tolerant to bacterial spot.

Easternglo – A firm yellow-fleshed clingstone nectarine that ripens on July 16. This nectarine was beautiful in 2004. The fruit averaged 16% 2 1/4" – 2 1/2" and 84% 2 1/2"-2 3/4 in diameter. The tree is moderately productive, vigorous, spreading, and susceptible to bacterial spot. Developed by Zaiger Genetics in Modesto, California.

Arctic Sweet - An early season, firm, white-fleshed, semi-freestone, peach with a pink red skin color over 70-80 % of the surface. The flavor is low acid and

very good. The size is slightly smaller than Arctic Star but matures later. Arctic Sweet is moderately susceptible to bacterial spot. It will crack under conditions of heavy moisture, which will render it more susceptible to bacterial spot. The tree is spreading, vigorous and productive. Developed by Zaiger Genetics in Modesto, California.

Jade - A medium large, flavorful, bright complete purplish red-skinned, semi-freestone, white-fleshed nectarine ripening before Redhaven. The ripening season is July 20. Fifty percent of the fruit is 2 3/4 inches in diameter. Fruit at nine pounds pressure was 9.5% SSC in 2004. Developed by the Riviera Breeding Program in the Provence Region of South-eastern France.

Nustar – A firm, complete and bright scarlet red-skinned yellow-fleshed freestone nectarine ripening on July 20. The size has been medium large but the tree has never set up heavily. It is moderately vigorous, spreading, and susceptible to bacterial spot.

NJ D51-270 – An early, medium firm, orange yellow-fleshed, flat or peento peach ripening on July 20. The skin has about 30-50% orange red overcolor and orange yellow undercolor. Fruit scar on the apex is small. Fruit size was medium to medium large. The flavor is good, somewhat variable but spicy and sweet. The tree is vigorous, moderately productive, spreading, and tolerant of bacterial spot. It has been virus indexed at the NRSP-5 and propagated for introduction.

Arkansas 9 – A bright clear yellow-fleshed, non-melting clingstone peach ripening on July 21. The flavor and texture are excellent. The trees are young but appear to be tolerant to bacterial spot.

NJ H44-4 – A very firm (stony hard), very attractive, 70-90% bright red skinned, white-fleshed peach ripening on July 20. Size is sometimes a challenge, and it is difficult to determine maturity because it is so red and firm. Over-maturity is determined by a shriveling of the skin and a snaky skin appearance and brown rot although the fruit stays firm. The flavor is moderately sub acid and good. The tree is vigorous, productive and slightly susceptible to bacterial spot. Fruit sampled on July 14, 2004 yielded 22 %, 2 1/4 to 2 1/2 inches and 78%, 2 1/4 to 2 inches.

Vinegold - An early season, orange-yellow fleshed non-melting clingstone ripening on July 22. It has very good sweet and spicy flavor and medium large size. The trees are very vigorous but young.

GaLa – An early midseason, firm, yellow-fleshed semi freestone. GaLa ripens in a season between Sentry and Redhaven where a good peach is needed. It has medium large size averaging mostly 2.59" in diameter. Flavor is good with 9. 7% SSC at 10 lbs pressure in 2004. Gala has a crimson red color over 70-80% of surface with low pubescence. The tree is spreading upright, tolerant to bacterial spot, productive, and vigorous. Size is a borderline issue with this variety.

Snow Bride – A large, very firm, attractive, white-fleshed, semi-freestone peach ripening on July 23. The skin is covered with a purple to pinkish red over 80-90% of the surface. The flavor is low acid and very good. The tree is vigorous, moderately productive and susceptible to bacterial spot. Developed by Zaiger Genetics in Modesto, California.

NJK54 -17 – A very early yellow-fleshed semi clingstone nectarine ripening on July 24. The fruit is only medium size but this nectarine is in a season where there are no other varieties with its combination of red color, attractiveness, productivity, and tolerance to bacterial spot. Virus indexed at NRSP-5 project and ready for introduction.

USDA BY 87P994 – An attractive, semi-freestone yellow-fleshed peach ripening on July 24. The skin is covered with 80-90% scarlet red over color. The flesh is firm and the flavor very good. The tree is large, vigorous, spreading, productive, and tolerant to bacterial spot.

Flavorcrest – A firm, yellow-fleshed semi-freestone peach ripening on July 24 that holds its firmness well. The flavor is very good. Flavorcrest is a challenge to size and is susceptible to bacterial spot. The freestone is spreading, vigorous but only moderately productive.

Harblaze – An attractive, medium large 70-90% scarlet red skinned, yellow fleshed, semi-freestone nectarine ripening on July 25. It has a moderately firm acidic flesh with very good flavor. The tree is moderately vigorous, productive, spreading and slightly susceptible to bacterial spot.

Virgil - An early season, orange-yellow fleshed non-melting clingstone ripening on July 25. It has very good, sweet, spicy flavor, and medium large size. The trees are very vigorous but young.

Sweet Scarlet – An early season, very firm, yellow-fleshed, semi-clingstone peach with beautiful complete deep crimson red overcolor. Fruit size is medium large. The flavor is low acid and good. It is difficult to determine the season of rip-

ening because it hangs on the tree so well. The variety is very susceptible to bacterial spot and not consistently productive. Developed by Zaiger Genetics in Modesto, California.

Honeyblaze – A medium large ovate shaped yellow-fleshed nectarine with a sub acid flavor, ripening July 23. It has a complete scarlet red skin color, and is very attractive and very firm. The tree is vigorous, spreading, moderately productive and susceptible to bacterial spot. Developed by Zaiger Genetics in Modesto, California.

Saturn – The standard in a flat peach had 10.9% SSC in 2003 and 13.5 % in 2004. This peach is usually a standard for flavor often measured by soluble solids concentration (SSC). Saturn is attractive but has a number of problems. It is not firm, and the skins tear at harvest. It is very susceptible to brown rot because of a scar on the dorsal end. Saturn developed at the New Jersey Agricultural Experiment Station, is the most important flat or peento peach cultivar and commonly marketed under the name donut peach.

USDA BY 96P2531 – A very firm, large, yellow-fleshed semi-freestone peach ripening on July 26. The skin is covered with a 70-90% crimson red overcolor. The tree is vigorous, spreading, productive and tolerant to bacterial spot. The flavor is excellent. This is a nice all around peach.

Redhaven – Ripening on August 6 in 2003 and July 20 in 2004. The normal ripening date is usually July 26. This is the standard for rating all varieties for season of ripening.

Redstar – This attractive yellow-fleshed freestone peach ripens on July 28 few days after Redhaven. It has 70-90% of the surface with a bright scarlet red color. Being of medium large size, it can be a challenge, during some years, to get fruit size over 2 1/2 inches. The tree is very productive, vigorous, spreading and tolerant to bacterial spot. Redstar, and Flamin Fury 15A are beautiful peaches but a challenge to size.

Flamin Fury PF 15A – An attractive, yellow-fleshed semi-freestone peach ripening on July 28. The skin is covered with a 70-90 scarlet red skin color. The fruit size is medium large. The tree is productive, vigorous, spreading and tolerant to bacterial spot.

NJD91-134 – A medium large, firm, clear golden yellow skinned, clingstone peach with an orange yellow, aromatic and spicy non-melting flesh. Normally this variety has exquisite flavor but was

Variety	% 2 1/2 to 3"	% 3 to 3 1/4"	% 3 1/4 to 3 1/2"	% 3 1/2" and up
Flamin Fury 24-007 on 8/16		25	33	42
Flamin Fury PF 23 on 8/10		60	40	
NJ G48-133 on 8/26		90	10	
Snow Giant on 9/2	15	38	19	28
Lady Nancy on 8/25	11	15	46	28
Fruit Acres 45 on 9/10	6	94		
NJ 318 on 8/09	27	53	20	
NJ G47-122 on 9/16	27	73		
Lauroi on 9/7	27	38	21	14
Snow King on 8/26	28	72		
Jerseyqueen on 8/24	32	68		
NJ 293 on 8/16	29	71		
Flamin Fury Lucky 24B on 8/20	78	22		
EW 170 on 8/9	70	23	6	

disappointing in 2003 with only 11% SSC. It increased to 14.2% in 2004. This peento or flat peach has a prominent suture and a small to medium scar. It ripens near Saturn (NJ F-2). It does get some skin browning from abrasion when ripening and from being handled but otherwise quite distinctive. The tree has been productive, vigorous, and tolerant to bacterial spot. Fruit harvested at the RAREC on July 19, 2004 yielded 80% 2 1/4 to 2 1/2 inches and 20% 2 1/2 inches to 2 3/4 inches. This variety has been virus indexed and propagated for introduction.

Harflame – An attractive, moderately firm, 80-90% scarlet red skinned, yellow fleshed, semi freestone nectarine ripening on July 31. The fruit size is larger than Harblaze and similar in firmness. The tree is vigorous, productive, spreading, and tolerant to bacterial spot.

NJD91-120 – A cream colored fleshed clingstone flat or peento peach ripening about a week after Redhaven and 10 days after Saturn. The skin is clear or a washed-out greenish white. If the fruit hangs too long, the skin might get brown flecks or streaks. The flavor is excellent. The major advantage of this variety is the unique skin color. The surface has a prominent suture and the scar on the apex is medium sized and will crack if the fruit is large. The fruit is a moderate in production. The tree is spreading and vigorous with slight susceptibility to bacterial spot. The first harvest on July 28, 2004 at the RAREC yielded 33.9% 2 1/2 to 2 3/4 and 66.1% were 2 3/4 inches to three inches. The second harvest on August 3, 2004 at the RAREC yielded 40.5% 2 1/2 to 2 3/4 inch fruit and 59.5% 2 3/4 to 3-inch fruit. The average SSC on these samples were 14.4%. Fruit of this cultivar was also

grown at Circle M block in Mullica Hill and rated excellent in 2004 with great size and 13.9% SSC. This cultivar has been virus indexed and propagated for introduction.

White Lady – This white-fleshed variety is a standard in New Jersey ripening on August 1. The flesh is very firm, low acid and semi freestone. The skin is attractive with a pinkish red skin color over 70-80% of the surface. The fruit hangs on the tree very well. The tree is upright, moderately productive, vigorous, and slightly susceptible to bacterial spot. Developed by Zaiger Genetics in Modesto, California.

Snow Beauty – A medium sized, dark purplish pink skinned, white fleshed, semi freestone peach ripening on August 2 just after White Lady. This variety definitely has darker skin but is not as large fruited as White Lady. The tree is very susceptible to bacterial spot. Developed by Zaiger Genetics in Modesto, California

Emeraude – A firm, medium-large, pink to purplish red, white-fleshed, semi-freestone nectarine ripening on August 3 in 2004, Emeraude had an aromatic, excellent flavor and had few blemishes in 2004. The tree is very vigorous and had no bacterial spot. Fruit harvested on August 1 was 100% 2 1/2 to 2 3/4 inches in diameter. Fruit at nine pounds, with 10.5% SSC. Developed by the Riviera Breeding Program in the Provence Region of Southeastern France.

Sugar Lady – A firm white-fleshed peach ripening on August 9. It looks very much like White Lady.

John Boy – A medium large to large, yellow-fleshed, semi-freestone peach ripening on August 4. This attractive red skinned variety is a major variety in New

Jersey. The tree is very vigorous, productive, and tolerant to bacterial spot.

Starfire – A 60-70% light scarlet red skinned, yellow-fleshed, semi-freestone peach ripening on August 4 after Redhaven. Starfire is a firm, medium sized peach. The tree is vigorous, spreading and tolerant to bacterial spot

Coral Star – A firm yellow-fleshed freestone peach ripening on August 6. This very attractive peach has 60-70% of the surface with a bright scarlet red overcolor and an orange-red undercolor. The tree is vigorous, productive and tolerant to bacterial spot.

Klondike A white-fleshed variety with normal ripening on August 6. It is large, very attractive, with a pinkish purple skin color over 80-90% of the surface. The flesh is very firm and semi-freestone. The flavor is very good and sub acid. The tree is upright, moderately productive, and susceptible to bacterial spot. Klondike is a replacement for Sugar Lady because of its good size and firmness retention. Developed by Zaiger Genetics in Modesto, California

Flamin Fury PF 20-007 – A firm yellow-fleshed freestone peach ripening on August 9. This peach has 60-70% of the surface covered with a crimson red skin color. The size was excellent with 100% of the fruit over 2 3/4 inches. The tree is vigorous, productive, and tolerant to bacterial spot

July Flame – A brilliant and complete bright red, very firm, yellow fleshed peach from Burchell Nurseries in California. This attractive peach has a beautiful scarlet orange skin color over 90 % of the surface. The tree is upright spreading, moderately productive and very susceptible to bacterial spot. Ripens on August 10 with Bounty.

Arctic Jay – This nectarine was spectacular in 2004. The beautiful pinkish red skin color covers 80-90% of the surface. The skin had no blemishes in 2004 and generally is low in blemishes with good nitrogen management. It has large size with 65 % 2 1/2 to 2 3/4 inches and 35% 2 3/4 inches up in 2004. The flesh is white, very firm, crisp, and freestone ripening on August 10. The flavor is very good, low acid with 13.7% SSC at 11 pounds in 2004. The tree is vigorous, upright spreading and moderately productive. Arctic Jay is susceptible to bacterial spot and brown rot. Developed by Zaiger Genetics in Modesto, California.

USDA BY93P4046 – A partially red skinned with a cream green undercolor, white-fleshed, firm, freestone flat peach

ripening on August 11, 2003. Flavor was good and SSC averaged 10.5% in 2003 and much better in 2004.

USDA BY93P3562 – Similar to BY93P4046, but with more red skin color and brighter and more attractive. A flat peach with white, firm freestone flesh, ripening at the same time. Average SSC in 2003 was 10.5% and higher in 2004.

USDA BY93P4065 – A partially red-skinned with yellow green undercolor, yellow-fleshed, firm, freestone flat peach ripening on August 13 in 2003. Flavor was not as good as white varieties and averaged 8.4% SSC. SSC was 11.2% in 2004

USDA BY93P4062 – A small to medium sized, white fleshed, freestone flat nectarine, with good red skin color very good firmness. This sub acid peach has very good flavor ripening on August 15, 2003.

USDA BY96P2531 – A large, very firm, attractive, full red skinned semi freestone, yellow-fleshed peach ripening on August 3. The fruit has excellent flavor like many of the USDA selections. This variety has better size than SurePrince, ripening before it and Summer Prince.

EW 170 – A large yellow-fleshed, moderately firm, freestone peach ripening on August 9. The flesh is very good and sweet. The surface is covered with 60-70% scarlet red color. The tree is productive, vigorous and has not had bacterial spot.

Heavenly White – A large to very large, freestone, white-fleshed nectarine ripening on August 10. The skin is only covered on 30-50 % with a pinkish red color and will show blemishes and cracks although it was smooth in 2004. It is susceptible to brown rot and very susceptible to bacterial spot. The flesh has a sweet, aromatic sub-acid excellent flavor. The tree is only moderately vigorous and moderately productive.

Paul Friday 15B – A yellow-fleshed firm, freestone, peach ripening with Bounty and Flamin Fury 17. This beautiful crimson red skinned variety has more overcolor than these two varieties but is not any larger. It has been consistently productive in the many years we have tested it, and never had bacterial spot. Supposedly will be introduced in 2004-2005

USDA BY 87P994 – A large, attractive, firm yellow-fleshed freestone peach ripening on August 10. It hung on the tree until August 25. The skin is covered with an 80-90% yellowish red overcolor. Fla-

vor is very good. The tree is vigorous, spreading, productive and tolerant to bacterial spot. This peach was named **Scarlet Prince** in 2004.

Bounty – It is one of our standards in the season, ripening on August 10. Bounty was very large with an average of 9.2% SSC in 2003 and 11.5% SSC in 2004. There are definitely two different varieties marketed as Bounty trees. Bounty is a large firm, globose peach with red color over 60-70% of the surface.

Sweet Dream – One of the newer low acid yellow-fleshed peaches. Sweet Dream is very firm with a beautiful dark red overcolor on 90 % of the surface. Like most California yellow-fleshed peaches if it highly susceptible to bacterial spot, and on these young trees fruit size was compromised from lack of BS infected leaves. It hangs on the tree very well but peaks in maturity about August 11. Developed by Zaiger Genetics in Modesto, California

Blazeprince – A medium large, attractive, with a crimson red overcolor on 80-90 % of the surface ripening on August 11. I have only seen this peach two years and it appears to be a promising variety. The tree is vigorous, spreading, and productive with no bacterial spot.

Flamin Fury PF 17 – This is one of the standard varieties in this season ripening on August 11. It has many good characteristics and can only be improved by more firmness and better color. The tree is vigorous, productive, spreading and slightly susceptible to bacterial spot.

Intrepid – A firm, yellow-fleshed peach, ripening about August 12. The fruit is cover with a 60-70% crimson red color and a greenish yellow undercolor. The fruit is medium to medium large. The tree is vigorous, spreading, productive and tolerant to bacterial spot.

Harrow Beauty – A very attractive, yellow-fleshed freestone peach ripening on August 12. Harrow Beauty is the peach with the highest pack outs. It has light pubescence, a 60-80% scarlet red overcolor with an orange yellow undercolor. The tree is spreading, vigorous and very productive. Size is the major problem with Harrow Beauty as most of the fruit is medium large about 2 1/2 inches.

Allstar – A large, yellow-fleshed freestone ripening on August 13. It is moderately firm. The color is brighter and the fruit more uniform than FF23. The fruit sized is similar but it is not as firm and does not hang on the tree as well as FF23. The tree is vigorous upright-spreading

and productive. It is tolerant of bacterial spot.

USDA BY93P4055 – A medium-large, white-fleshed, freestone, flat peach with more red color than 4062. Flavor was also excellent. In 2003 the SSC was 11.9 to 12% for both sub-acid selections. Ripened on August 18.

USDA BY 93P4053 – medium-sized, yellow-fleshed, freestone, flat, peach similar 4055 but ripens a few days later.

NJK40-34 – A medium-large, very firm, yellow-fleshed, low-acid, freestone peach. This peach is attractive, with a scarlet red skin color with 60–70% of the surface having a bright orange red undercolor. The tree is productive, vigorous, spreading, and tolerant of bacterial spot. This variety has been virus indexed and was propagated for introduction.

Arctic Gold – A medium large, white-fleshed nectarine ripening on August 15. It has a 40-60% pinkish red skin color over a cream undercolor. The flesh is firm, freestone and very good, one of the best testing varieties. The tree is of medium vigor, moderately productive, and spreading. While the size is acceptable and the flavor outstanding it is very susceptible to bacterial spot

Johanna Sweet – A very firm, medium large, deep red skinned, freestone, yellow-fleshed peach ripening on August 15. It has a low acid flavor and is very susceptible to bacterial spot. Fruit had some spot in 2004. Trees are young with their first good crop in 2003 and had a moderate crop in 2004. Developed by Zaiger Genetics in Modesto, California

Flamin Fury PF 23 – A large yellow-fleshed freestone peach, **Flamin Fury PF 23** is often picked too early because it gets a deep red color and when it is mature on August 16 it will have large to very large size. It is still one of my favorite Flamin Fury varieties.

Beaumont (MSU 11-7) – A firm yellow-fleshed freestone peach ripening on August 17. The fruit size is medium to large on young trees. The tree is vigorous, spreading, early bearing with no bacterial spot on young trees.

Flamin Fury PF 24-007 – A very large yellow-fleshed freestone peach ripening on August 18 just after Bounty. Many growers have planted this variety. I have always been concerned about its low bud density and lack of color. The lack of color may come from the light crop although with a full crop and good light exposure scarlet red color may cover 50-70% of the skin surface. It has a nice bright undercolor. It also hangs on the tree very

well and retains its firmness like FF 23. It is always one of the largest varieties.

Blushing Star – A medium large, white-fleshed peach ripening on August 19. The flavor is very good, aromatic, and acidic. The flesh is firm and skin covered with 60-80% pinkish red overcolor. The tree is vigorous, spreading, productive, and tolerant to bacterial spot.

NJ D101-162 – A very attractive, yellow-fleshed, firm, freestone peach with a complete crimson red overcolor and a beautiful golden yellow-orange undercolor. It ripens in Cresthaven season. It has excellent flavor. Fruit harvested on August 19, 2004 at the RAREC was 30.6% 2 1/2 to 2 3/4 inches; 57% 2 3/4 to 3 inches; 12.4% 3 to 3 1/4 inches. This fruit averaged 12.5% SSC. This variety is a possible replacement for Cresthaven. This variety is virus indexed and propagated for introduction.

Redgold – This is still one of the best yellow-fleshed freestone nectarines ripening on August 20. The tree is of low vigor and susceptible to bacterial spot, but the fruit is large and of excellent quality.

Flamin Fury P. F. Lucky 24 B – This variety has been tested for many years as Paul Friday 219. It ripens about August 20 with or just before Cresthaven. The skin color is 60-80% scarlet red over a reddish yellow undercolor. Fruit size is excellent with 86% 2 3/4" and 14% 3" in 2004. The flesh is yellow, firm, melting, and freestone. Flavor is good, acidic with 10.5% SSC at 12 pounds in 2004. The tree is always very productive, vigorous, spreading and never has had bacterial spot. The fruit hangs on the tree very well and may have a tendency to be picked too early before it reaches its full color and size.

Fantasia – This is the number one yellow-fleshed nectarine, and the standard for other varieties. It ripens on August 25. The fruit is medium large to large and the tree is of medium vigor and has low susceptibility to bacterial spot.

Lady Nancy – A large to very large, white-fleshed nectarine ripening on August 25 a day or two ahead of its parent Jerseyqueen. It has a 50-60% pinkish red overcolor with a cream undercolor. It can always be identified by the yellow suture line. The flavor is excellent, aromatic sweet acidic. The tree is just like Jerseyqueen.

Flamin Fury PF 27A – A firm, yellow-fleshed, large sized peach which ripens on August 27 with Jerseyqueen. This variety ripens close to FF PF 25 but has bet-

TABLE 2

Peaches with the highest Soluble Solids Concentration (Sugar) in 2004

Ruby Queen plum on 8/23	18.75%
Arctic Gold on 8/25	17.5 %
NJ G 47-122 on 9/16	16.7%
NJ 31-1 on 8/3	16.6 %
Manon on 7/6	15.7%
Zephyr on 8/25	14.7%
Topaze on 9/2	14.5 %
NJ G47-99 on 9/2	14.4%
Arctic Pride on 9/12	14.0%
NJ D91-120 on 8/3	13.9%
Saturn on 7/20	13.5%
Sweet Scarlet on 7/8	13.5%
Snow King on 8/26	13.25%
NJ D91-134 on 7/25	13.2%
Fruit Acres 144 on 9/2	13.1%
Fruit Acres 45 on 9/13	12.8%

ter size but a less vigorous tree more susceptible to bacterial spot.

Jerseyqueen – A very large yellow-fleshed peach that is a standard in season with Elberta on August 27. It has a vigorous, spreading and moderately productive tree that is slightly susceptible to bacterial spot.

USDA BY 88 P4040 – A very firm yellow-fleshed variety ripening on August 28 with crimson red skin color over 70-80% of the surface with a yellowish red undercolor. The tree is very productive and tolerant to bacterial spot. The size was medium but the tree was not thinned properly in 2004.

Opale – A large globose, dark red skinned, very firm white-fleshed, freestone peach ripening in August 28, in 2003 and August 31 in 2004. It has a sub acid flavor. The variety does not get bacterial spot like other late white sub acid peaches. Developed by the Riviera Breeding Program in the Provence Region of Southeastern France.

Zephyr – A white-fleshed freestone nectarine ripening on August 30 or about seven days after Fantasia. The flesh is firm, and the flavor very good sweet and sub acid. The SSC was 14.7% at eight pounds in 2004. The skin was covered with faint pinkish red color over 50% of the surface speckles and spots in both 2003 and 2004. The tree is vigorous, spreading, and susceptible to bacterial spot. Developed by the Riviera Breeding Program in the Provence Region of southeastern France.

NJ G48-133 – A large, firm, ovate to mostly globose, 50-80% scarlet to crimson red over a yellow orange-red, undercolor freestone, peach ripening from August 28 to September 7 just a little before Encore. The flavor is sweet,

acidic and good. The tree is vigorous, spreading and productive. No bacterial spot has been observed. On August 23 picking 91% of Fruit in RAREC block was 3 to 3 1/4 inches and 9 % was 3 1/4 to 3 1/2 inches. This fruit averaged 11 % SSC. The August 26 harvest at Richwood was 37. 5 % 2 3/4 to 3 inches and 62. 5% 3 to 3 1/4. This fruit averaged 11% SSC. Fruit harvested on September 2, 2004 in Richwood was 100% 3 to 3 1/4 inches with 10. 9% SSC. Fruit harvested on September 2, 2004 at the RAREC was 45 % 2 3/4 to 3 inches and 55% 3 to 3 1/4.

Topaze – A white-fleshed, freestone nectarine similar to Zephyr except it ripens one week later about September 3. It has a bout 60 % pinkish red color with slightly and less speckling than Zephyr and a cream greenish ground color Both Zephyr and Topaze have good size 2 1/2 to 3" on diameter. Topaze has a mild sweet flavor with 14. 5% SSC in 2004. The free is moderately vigorous, productive, with slight susceptibility to bacterial spot. Developed by the Riviera Breeding Program in the Provence Region of southeastern France

Encore – Ripened about August 31 in 2004 and normally September 2. This variety characterized many late season peaches in 2003. Quality was disappointing with the rainy and cloudy weather. Fruit drop was heavy and definitely related to two severe windstorms. Encore is normally our standard for a variety in this season with large size and good color. The tree is very productive, upright, and vigorous.

Valley Sweet – A medium sized, very red, very firm, yellow fleshed freestone peach ripening on September 3 in 2004. Valley Sweet has a low acid flavor but the tree is very susceptible to bacterial spot. Fruit size was smaller because trees were young. Developed by Zaiger Genetics in Modesto, California.

Lauro – This large firm yellow-fleshed ripened about September 4, in 2004. Lauro is susceptible to bacterial spot. It is one of the most important varieties in New Jersey.

NJ 47-104 – This attractive yellow-fleshed freestone peach ripened on September 5 in 2004. It has been regularly productive and tolerant to bacterial spot. The flesh is firm and of very good quality. It has been virus indexed.

Flameprince – A very attractive, firm, yellow-fleshed, freestone peach ripening about September 6. This southern variety may be a replacement for

Encore as it hangs on the tree better. When Flameprince trees were younger it was always a challenge to size the variety. Size is much better on fully mature trees. In 2004 it was later than Encore and size was not as good.

August Flame – A very large, very firm, dark crimson red skinned, attractive, yellow-fleshed, freestone peach ripening about September 6. This peach has absolutely no undercolor but is quite susceptible to brown rot and bacterial spot. The tree is vigorous, moderately productive and upright spreading. September Flame is similar but probably too late for New Jersey. Developed by Burchell Nurseries in Oakdale, California.

Arctic Pride – A medium large, 50-70% pinkish red- skinned nectarine September 7. Size in 2004 was 44% 2 1/2", 27% 2 3/4", and 29% 3". It has very firm, almost crisp white-freestone flesh and an excellent low acid flavor. At 11 pounds pressure it had 14 % SSC in 2004. This year the finish was very good but some years it can have many blemishes and speckling. The tree is vigorous, spreading, moderately productive, and susceptible to bacterial spot. Brown rot can also be a problem. Developed by Zaiger Genetics in Modesto, California.

Autumn Star – A larger 50-60% crimson red-skinned yellow-fleshed freestone peach ripening about September 10. The color is variable from year to year. The tree is tolerant to bacterial spot and regularly productive. This variety performs irregularly but keeps evaluating it because it looks so nice some years like 2004.

Fruit Acres 45 – A large, firm, scarlet red skinned, yellow-fleshed, freestone peach ripening about September 14. Autumn Star has no bacterial spot in this planting and always crops well.

Yukon King – An attractive, firm, white-fleshed sub acid freestone peach. Yukon King ripens just after Snow Giant on about September 13. It has an excellent sub acid flavor and average 13. 4% SSC in 2003. While Snow Giant is freestone Yukon King and Snowfire two other white fleshed low acid peaches slightly earlier are clingstone. Developed by Zaiger Genetics in Modesto, California.

NJ G47-122 – An ovate to globose, large, 40-80% crimson red color overcolor and yellow orange undercolor, freestone ripening, September 13. The amount of red color and the brightness of the undercolor will vary from year to year.

Optimum ripening date in 2004 was September 9. Most fruit had 30-60 % red skin color, ripening on September 15 in 2003. The red overcolor and brightness of undercolor will vary depending on temperatures this late in the season. The flesh is melting but firm to very firm and holds it firmness well. Flavor is acidic, and sweet, but very good. The tree is vigorous, spreading and productive. One year it had bacterial spot but is generally tolerant. The first harvest of fruit samples in Richwood on September 7, 2004 yielded 81% 2 3/4 to 3 inches and 19% 3 to 3 1/4 inches. SSC on this fruit averaged 12. 75, the first harvest of fruit at RAREC on September 7 yielded 35% 2 3/4 to 3 inches and 65% 3 to 3 1/4. SSC on these samples was 11. 9%.

Big Red – A very large 20 to 50% crimson red-skinned variety ripening about September 18. The color on this variety is quite variable from year to year because of the late season and crop load. There are many years when Big Red does not have a full crop. Some growers have moderate success with it. It is susceptible to bacterial spot.

Other Peaches with Limited Interest in Order of Ripening

Raycrest – A yellow-fleshed clingstone peach ripening on June 21. This is not much of a peach but then what do we expect this early in the season.

Harbinger – A yellow-fleshed peach ripening on June 25. Again, not much of a peach.

Flamin Fury PF 1 – A yellow-fleshed peach ripening on June 30. There are two cultivars with this name, one is small and soft and one is larger and brighter. I'd rather grow FF PF#5.

Crimson Lady – An attractive yellow-fleshed variety that never produces a crop of fruit. It ripens on June 30. Interesting because of it excellent size for this season. Seldom sets a full crop of peaches.

Spring Lady - A firm yellow-fleshed attractive peach ripening on July 2. Tree is week, not productive and very susceptible to bacterial spot.

May Sun – A very firm yellow-fleshed peach ripening on July 3. Tree is not productive and very susceptible to bacterial spot.

David Sun – A very firm yellow-fleshed peach ripening on July 3. Tree is not productive and is very susceptible to bacterial spot.

Valley Fire – A yellow-fleshed peach ripening on July 7. Fruit was small and variable. Lots of split pits.

USDA BY 87P285 – A small to medium size, attractive, firm yellow-fleshed clingstone peach ripening on July 7. Size is always a challenge with this variety.

Candor – At one time an important commercial variety ripening on July 7. No longer planted because of split pit problem.

Royal May – An attractive yellow-fleshed peach ripening on July 8. This is a very nice peach but trees are not available so few can plant it.

Derby – A yellow-fleshed peach ripening on July 9. Selected as a replacement for Candor with better size but too many split pits.

D Zee III – A firm yellow-fleshed clingstone peach ripening on July 10. It never sets a full crop.

Kern Sun – A very firm yellow-fleshed variety ripening on July 12. Tree was not productive and very susceptible to bacterial spot.

Rising Star (FA 47) – A yellow-fleshed semi-clingstone peach ripening on July 12. Nothing special.

Flamin Fury PF 7 – A yellow-fleshed semi-clingstone peach with 50-70% complete crimson red color but a challenge to size. Ripens on July 13. Glen Glo and Sentry better varieties in this season.

Brittany Lane – An attractive yellow-fleshed, clingstone peach with 70-80% scarlet red overcolor. Ripens on July 13. The flesh is very firm and of good quality. Size is good but trees are only moderately productive and susceptible to bacterial spot. This is one of my earliest blooming varieties and because of this characteristic and its susceptibility to bacterial spot does not do well.

Golden Monarch – A semi-freestone, yellow-fleshed peach ripening on July 17. The peach is large but not firm or highly colored.

Sure Prince – A medium sized, rim, dark-crimson red-skinned yellow-fleshed peach ripening on July 19. This is a nice peach but too small.

Paul Friday 088 – A yellow-fleshed semi-freestone peach ripening on July 20. The fruit is medium large, firm and covered with a 60-80% scarlet red skin. The tree is vigorous, upright spreading and productive. It is tolerant to bacterial spot. This is a nice peach.

LM 131 – A moderately firm to soft, yellow-fleshed semi-clingstone peach ripening on July 20. This variety is too soft.

Honeykist – A very firm yellow-fleshed nectarine with a crimson red color covering 100% of the surface. The fruit ripens on July 20. The flesh clings to the stone and has excellent sub acid flavor. The tree is upright and vigorous but very susceptible to bacterial spot. The fruit is generally from 2 1/8" to 2 1/4" in diameter too small for the wholesale market.

General – A large moderately firm yellow-fleshed peach ripening on July 21. General lacks red skin color and is not firm. It does have good flavor.

Fruit Acres 35 – A yellow-fleshed semi-freestone peach that has only medium size ripening on July 22.

Paul Friday BAC – A yellow-fleshed, medium large, medium firm peach ripening near Redhaven on July 22, 2004. The tree is vigorous, upright-spreading, productive, and tolerant to bacterial spot.

Summer Prince – A firm, yellow-fleshed, semi-freestone peach ripening on July 23. It has an attractive crimson red skin color over 80-90 % of the surface. It is attractive but does not have acceptable size.

Red Fremont – A large sized yellow-fleshed freestone peach ripening on July 25. While it has good color, it is probably not firm enough for most peach markets.

USDA BY 78N993 – A yellow-fleshed clingstone nectarine ripening on July 25. The fruit size is regular and small.

USDA BY 97P1006 – A yellow-fleshed semi-freestone peach. It has an 80-90% crimson red overcolor and is very firm. The tree is not regularly productive and fruit is a challenge to size.

USDA BY 89P2800 – A yellow-fleshed semi-clingstone peach ripening on July 27. This tree is vigorous, upright but only moderately productive.

June Princess – A small to medium yellow-fleshed semi-clingstone nectarine ripening on July 27. The tree is vigorous, upright, moderately productive and slightly susceptible to bacterial spot. June Princess produces too many split pits and is variable in shape and size.

Paul Friday CBA – A medium sized, firm, yellow-fleshed peach ripening near Redhaven on July 28. The skin has a 60-70% scarlet red overcolor. The tree is vigorous, spreading, productive, and tolerant to bacterial spot.

Flamin Fury PF 14 Jersey – A medium yellow-fleshed freestone peach ripening with FF 15A. Originally was PF 15 but number changed based on evaluation in Swedesboro, New Jersey. However this selection does not look like the PF 15 tested in Swedesboro. It is not as large or

with as much skin color. Until I can get this sorted out it stays on this list.

Raritan Rose – A soft, white-fleshed semi-freestone peach ripening on July 29. The skin is covered with 30-50 pinkish red skin color and a cream green undercolor. This old variety is vigorous, spreading, and productive tree is tolerant to bacterial spot.

Burchell B16. 091 – A very firm, large, yellow-fleshed clingstone nectarine ripening on July 30. The skin is covered with 80-100% scarlet red overcolor and a yellowish red undercolor. The flavor is good but astringent. The tree is vigorous, upright, moderately productive, and susceptible to bacterial spot, brown rot and peach scab. This variety has been patented and will be introduced by Burchell Nurseries.

Summer Beaut – A yellow-fleshed nectarine ripening on July 30. This old variety is still one of the best, but it gets many split pits and is only moderately productive.

Firebrite – A yellow-fleshed freestone nectarine ripening on July 31. This is an old variety and is still one of the best. It has very good flavor and is attractive, but is moderately productive and does produce split pits. The tree is spreading, has medium vigor and is susceptible to bacterial spot.

Challenger – A yellow-fleshed semi-freestone peach ripening on August 1. The tree is vigorous, very productive, spreading and tolerant to bacterial spot. Nothing special.

Rose Princess – A semi-freestone white-fleshed moderately firm nectarine ripening on August 1. This nectarine has a 40-60% pinkish red overcolor with a cream green undercolor. The skin can crack and has blemishes. It is susceptible to bacterial spot.

Scarlet Sun – A firm, yellow-fleshed clingstone nectarine ripening on August 2. This nectarine was very attractive with large size. The tree is only moderately productive and susceptible to bacterial spot.

WH 124 – A firm attractive yellow-fleshed semi-freestone peach ripening on August 3. Fruit size is only medium.

Fruit Acres 53 – A firm, yellow-fleshed, freestone peach ripening on August 3. The tree is productive, vigorous, spreading and tolerant to bacterial spot.

Flamin Fury PF Lucky 13 – A medium large, firm, yellow-fleshed peach ripening after Redhaven or on August 3. The skin is covered with a 70-80% crim-

son red overcolor and a greenish red yellow undercolor. The tree is vigorous, spreading, productive and tolerant to bacterial spot.

USDA BY 87 P1006 – A very firm, yellow-fleshed freestone peach ripening on August 5. This peach is very attractive but lacks good fruit size.

Paul Friday ABC – A firm, medium large, yellow-fleshed peach ripening near Redhaven on August 4. The tree is vigorous, spreading, productive and tolerant to bacterial spot.

Summer Zee – A very firm, attractive, yellow-fleshed, semi freestone peach ripening on August 4. It has 80-90% of the skin surface covered with a crimson red color. The tree is not regularly productive and is very susceptible to bacterial spot.

Burchell A38. 039 - A medium, firm, yellow-fleshed, clingstone nectarine ripening on August 4. The skin is covered with 70-80% scarlet red overcolor and a yellow red undercolor. The tree is vigorous, spreading, moderately productive and very susceptible to bacterial spot, peach scab and brown rot.

Blazing Star – An attractive yellow-fleshed freestone peach ripening on August 5 a few days after Redhaven. The medium size is a concern on this variety. The tree is productive, vigorous, and spreading. It is tolerant to bacterial spot.

Crimson Snow – A medium firm, white-fleshed freestone nectarine susceptible to bacterial spot. It has excellent flavor but small size ripening on August 5.

John Boy II Peach – A medium, firm, yellow-fleshed peach ripening just after John Boy. The fruit, although pretty, was only of medium size.

Paul Friday 303 – A medium large, medium firm, yellow-fleshed semi-free-stone peach ripening on August 6. The tree is covered with a 70-80 scarlet red overcolor and an attractive reddish yellow undercolor. The tree is vigorous, spreading, productive, and tolerant to bacterial spot.

Ernie's Choice – A large, yellow-fleshed freestone peach ripening on August 7. This was heavily planted in New Jersey but did not hold up well for wholesale marketing. It is still an attractive, large variety for local sales.

Fruit Acres 63 – A yellow-fleshed freestone peach ripening on August 7. The tree is productive, vigorous, and tolerant to bacterial spot.

Carogem – A moderately firm, yellow-fleshed freestone peach ripening on

August 7. Carogem just doesn't have the color or firmness of other varieties in this season.

Tristar – A yellow fleshed freestone peach ripening on August 8. Nothing special as far as size and red color go.

Harrow Fair – A yellow-fleshed freestone peach with decent color that ripens near Harrow Beauty on August 8. The fruit size is much better than Harrow Beauty but not as attractive or as firm.

Paul Friday 214 – A yellow-fleshed freestone peach with 60-80% crimson red color but variable size, ripening on August 10.

Flameglo – A medium large, very firm, yellow-fleshed, clingstone nectarine ripening on August 10.

Burchell A300 - A medium large, very firm, yellow-fleshed, clingstone nectarine ripening on August 10. The skin is covered with 70-80% scarlet red overcolor and a yellow red undercolor. The tree is vigorous, spreading, moderately productive and very susceptible to bacterial spot, peach scab and brown rot.

Beekman Flavorcrest – A yellow-fleshed freestone peach ripening on August 12. This attractive variety has 70-80% of the skin covered with a bright crimson red overcolor. Getting large fruit is a challenge because it is susceptible to bacterial spot.

Pammy Bear – A firm yellow-fleshed variety ripening on August 12 just after Bounty. Pammy Bear is attractive but lacks good size and has a prominent raised suture.

Jolly Red Giant – A very large, yellow-fleshed clingstone nectarine ripening on August 13. The flesh is very firm and cracks, making it quite susceptible to brown rot. The tree is vigorous, spreading, moderately productive, and susceptible to bacterial spot.

Paul Friday 215 – A yellow-fleshed freestone peach with 70-80% crimson red color but lacks good size. Ripens on August 14.

Paul Friday 18B – A yellow-fleshed freestone peach ripening about August 14. This cultivar doesn't have the firmness, red color or attractiveness of other cultivars in this season.

Benedicte – A firm white fleshed peach ripening on August 14. It is not as large as Sugar Giant nor does it have the skin color of Blushing Star or Sugar Giant.

USDA BY 88P2251 – A firm yellow-fleshed freestone peach ripening on August 15.

Burchell A16. 083 – A large, very firm, yellow-fleshed clingstone nectar-

ine ripening on August 15. The skin is covered with an 80-90% scarlet red overcolor. The tree is vigorous, spreading, moderately productive, and susceptible to bacterial spot, peach scab and brown rot. This nectarine has been patented and introduced by Burchell Nurseries.

Arctic Belle – A very firm white-fleshed low-acid nectarine ripening about August 16. The flavor is excellent and low acid. The fruit on young trees was small and very susceptible to bacterial spot.

Ruston Red – A medium large, yellow-fleshed, freestone peach ripening on August 20. This variety does not retain firmness in the wholesale market.

Fruit Acres 66 – A medium-large sized, medium-firm yellow-fleshed freestone ripening on August 20. The skin is covered with a 70-80% crimson red skin color and a red yellow undercolor the tree is vigorous, spreading, productive, and susceptible to bacterial spot.

Glacier – A very firm, white-fleshed freestone peach ripening on August 22. The trees are young and must be further evaluated.

Buddie's Pride – A yellow-fleshed freestone peach ripening on August 22. The tree is vigorous, spreading and productive.

O'Henry II – A very firm yellow-fleshed freestone peach ripening on August 22. This peach is oblate and only medium large with a dark crimson red skin color over 80-90% of the surface. It is very susceptible to bacterial spot.

Stark Ovation – A firm, large, complete scarlet-red-skinned, yellow-fleshed freestone nectarine. The tree is of medium vigor, productive and tolerant to bacterial spot. Ovation was very smooth and attractive in 2004 but because it ripens with Fantasia and generally is not as uniform and productive is not suggested for planting.

Flamin Fury PF 25 – A medium large, 60-80 crimson-red-skinned, yellow-fleshed freestone peach ripening on August 23. The tree is vigorous, productive, and slightly susceptible to bacterial spot. Size has been problem with PF 25.

Jerseystar – A medium large to large yellow-fleshed freestone peach ripening on August 26. The tree and fruit looks like Redskin.

Harcrest – A large, yellow-fleshed freestone peach with a crimson-red skin color on 40-60% of the surface. The tree is spreading, vigorous, productive and tolerant to bacterial spot. This variety has had disappointing color and firmness.

Fruit Acres 120 – A medium-large sized, medium firm yellow-fleshed freestone ripening on August 25. The tree is vigorous, spreading, productive, and tolerant to bacterial spot.

Fruit Acres 136 – A large yellow-fleshed freestone peach ripening on August 26 in 2004. The tree is productive and had no bacterial spot.

Pretty Lady – This very firm yellow-fleshed peach ripens about August 27. It is very productive and seldom sets a full crop of peaches.

Paul Friday 301 – A medium large, medium firm yellow-fleshed freestone ripening on August 27. The tree is vigorous, spreading, productive, and tolerant to bacterial spot.

Sparkling Red – A medium-sized yellow-fleshed nectarine. This nectarine is pretty but does not size. As the trees have gotten older they are weak with leaf curling that continues to reduce the fruit size.

Fruit Acres 138 – A large to very large, yellow-fleshed freestone peach ripening on August 28, 2004. The tree is productive and had no bacterial spot.

Fruit Acres 144 – A large yellow-fleshed freestone ripening on August 28, 2004. The trees are productive and had no bacterial spot.

August Lady – This large very firm yellow-fleshed peach ripens about August 30. It never sets a full crop of peaches and is very susceptible to bacterial spot.

Fruit Acres 146 – A large, yellow-fleshed freestone peach ripening on August 30, 2004. The tree is productive and did not have any bacterial spot.

Snow King – A large to very large, white-fleshed, freestone peach with a dark purplish pink red color over 70-90% of the surface. The flesh is low acid and of very good quality. Fruit ripens on August 30. The tree is moderately productive and very susceptible to bacterial spot and susceptible to brown rot.

Fruit Acres 141 – A large, yellow-fleshed, freestone peach ripening on September 1, 2004. The tree is productive and had no bacterial spot.

Snowfire – A large to very large, white-fleshed, freestone peach ripening on September 2. Snowfire has the same problems as Snow, with low productivity and high susceptibility to bacterial spot.

Autumn Glo – A standard yellow-fleshed variety ripening with Encore on September 2. The tree while productive is susceptible to bacterial spot.

Fruit Acres 148 – A large, yellow-fleshed, freestone peach ripening on September 3 in 2004. The tree is productive and had no bacterial spot.

NJG47-99 – A late yellow-fleshed variety ripening on September 4. The color and medium large size limit the potential for this variety.

Zee Jr – A yellow fleshed variety ripening on September 4. Nothing special but very large size.

Burchell D2. 093 – A very firm, yellow-fleshed clingstone nectarine ripening on September 6. The skin is covered with a 60-70% scarlet red skin color. The tree is vigorous, upright spreading and produces light crops. It is very susceptible to bacterial spot and scab.

Maccherone Red – A yellow-fleshed selection of Encore ripening on September 7. Not really any different except a few days later.

Fruit Acres 149 – A yellow-fleshed freestone peach ripening on September 7 in 2004. The tree is productive and had no bacterial spot.

USDA BY 86P2184 – A firm yellow-fleshed freestone peach ripening on September 8.

Fruit Acres 130 – A medium firm, yellow fleshed freestone nectarine ripening on September 10. The skin is covered with 60-70% scarlet red skin color. The tree is vigorous, spreading, productive and tolerant to bacterial spot.

USDA BY 85P8522 – A firm yellow-fleshed freestone peach ripening on September 12.

Agate – A white-fleshed, freestone peach ripening on September 15-17. The skin is covered with a 50-70%. Developed by the Riviera Breeding Program in the Provence Region of southeastern France.

USDA BY 85P2609 – A yellow-fleshed freestone peach ripening on September 20. This peach is very late making it hard to evaluate.

September Flame – A very firm yellow-fleshed peach ripening in late September. Because of its late season and its susceptibility to bacterial spot it has little value.

Peaches that have been tested but are no longer suggested for planting, and trees have been removed from test blocks. (YP = yellow fleshed peach, WP = white fleshed peach) Goldprince (YP), Dixiered (YP), Garnet Beauty (YP), LaWhite (WP) Sentinel (YP), Southern Pearl (WP), Riponette (YP) Juneprince(YP), Snowqueen (WN) Karlarose (WN), Flamin Fury 12-B(YP), Sureprince (YP), June Lady (YP), Rich

Lady (YP), Snowbirte (WP), Fancy Lady(YP), Amparo (YP) Norman (YP), Sugar Sweet(YP) Late Sunhaven (YP), White Rose (WP), Red Sun (YP), Arctic Rose (WN), June Pride (YP) Harvester (YP), Hawthorne (YP), Topaz (YP), Cullinan (YP) Denmen (YP), Redrose (WP), Fireprince (YP), Finnicum's Red (YP) Majestic (YP), Jayhaven (YP) La Premier (YP), Arctic Gem (WP), Beekman (YP), Summer Sweet (WP), Tasty Zee (WP), Berenda Sun (YP), Summer Pearl (WP), Elegant Lady (YP), Cassie(YP), July Sun (YP), Zee Lady(YP), Sierra Lady (YP) La Jewell (YP), Sunpriince (YP), Fired (YP), Angelus(YP), Summer Lady (YP) Ouchita Gold, (YP) Bobeva (YP), Somore (YP), Ryun Sun (YP), RedCal (YP), O'Henry (YP), Legend (YP), Kearney (YP), LaJewell (YP), White Star (WP) August Sun (YP), Snow Gem (WP), Calred (YP), TraZee (YP), Lategold (YP), Fairtime (YP), September Sun(YP), Autumn Prince(YP), Carnival (YP) Autumn Lady(YP), Autumn Gem (YP).

Nectarines that have been tested but are no longer suggested for planting and trees have been removed from test blocks. (YN=yellow fleshed nectarine, WN = white fleshed nectarine) Grand Sun (YN), Mayfire(YN), Snow flame (WN), Crimson Gold (YN), Juneglo (YN), Zeegrand (YN), Earliscalet (YN), Crystal Red (WN), Earlibird (YN), Red Delight (YN), Sparkling June (YN), Durbin (YN), May Grand (YN), Tastygold (YN), Crystal (WN), Rose (WN), Red Diamond (YN), Diamond Ray (YN), Supreme Red (YN), Ruby Grand (YN), Summer Grand(YN), Midglo (YN), Summer Fire(YN), Zeeglo (YN), Royal Giant (YN), Stark Encore (YN), Flaming Red(YN), Flamekist(YN), Tastyfree(YN), Fairlane(YN)



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