

# UPDATE ON NEW PEACH AND NECTARINE VARIETIES



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# SOURCES OF INFORMATION

[www.rce.rutgers.edu/peach/](http://www.rce.rutgers.edu/peach/)

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**YELLOW-FLESHED PEACH VARIETIES FOR NEW JERSEY**  
**Fact Sheet 1201 in 2013**

**WHITE-FLESHED PEACH VARIETIES FOR NEW JERSEY**  
**Fact Sheet 1203 in 2013**

**FLAT PEACH VARIETIES FOR NEW JERSEY**  
**Fact Sheet 2008**

**NECTARINE VARIETIES FOR NEW JERSEY**  
**Fact Sheet 1204 in 2013**

[www.acnursery.com](http://www.acnursery.com)

<http://www.clemson.edu/hort/peach/index.php?p=73>

• [jfrecon@verizon.net](mailto:jfrecon@verizon.net) or [jerry@acnursery.com](mailto:jerry@acnursery.com)

## Peach and Nectarine Cultivars

Peaches are the second most important tree fruit crop grown in Pennsylvania. Unlike apples, however, there has been and continues to be extensive breeding of new and improved cultivars.

Breeding programs in the USA in Kentucky, West Virginia, etc. a. Hyatt, Georgia, along with private programs in California and Michigan have produced a number of new cultivars in recent years. Extensive evaluations of these cultivars are being performed by Jerry Frazee at the Rutgers Cooperative Extension Station.

In recent years peach has grown in white-fleshed peaches and nectarines. In the table below, the white-fleshed cultivars are indicated by their scientific name to their name. The table is set up according to average ripening dates for south-eastern Pennsylvania. The cultivars listed under the "Peaches" column are those that begin to ripen during the particular period. The next column indicates our opinion as to the best cultivars in that particular time frame. The third column contains suggestions for peach cultivars to try on an experimental basis. We do not know how well they will perform, but based on broader observation, they seem worth trying on a small scale. The final column takes on all cultivars that ripen during that period.



USDA university and private breeding programs have produced a number of new peach and nectarine cultivars in recent years.

Commercially grown and promising peach and nectarine cultivars for Pennsylvania

Ripening date in southern PA	Best peach cultivars	Best nectarine cultivars	Promising peach cultivars for trial	Promising nectarine cultivars for trial
June 30-July 5	RedMar Delecte Nighting Swan (W) Satan's Heart +FF, 26 Carcass	Maple	Quebec's Earlstar Spring Prince Mason (W)	
July 6-July 12	Harrow Down Sweet Bart (W) Riley Prince Sentry	Arctic Star (W) Ice (W)	Harrow Down Sweet Pear (W)	Silvergen (W) - (N) (W)
July 13-July 19	Chang's Grand Peach Sentry Satan's Heart +FF	Arctic Star (W) Forsythia Silvergen (W)	Yuban Peach (N) (P) (S) Snow's Rose (W)	Iceberg (W) Arctic (W)
July 20-July 26	Harvest (old peach)	Arctic Sweet (W) Harvest	Harvest (N) (P) (S) Snow's Rose (W) Vineyard	Paris Fly (P) - (I)



July 27-August 3	Early Loring Prince Lory 29 Lion King RedHaven White Lady (W) Larkin Lory (W) Lion King Lion King	Harlowe Summer Sweet	Blazing Star Phantom Fury -FF A-07 Snow Beauty -W Cassidy (W) Tang's NCF 16	Emerald (W)
August 4-August 10	Satan's Heart Choice Columbia Knoxville (W) Bounty	Arctic Jay (W) Flavorcap Dango	Harrow Down Sweet Paris Fly (P) -FF 25 24 Harvest Lory (W) -FF 24 24	Arctic Belle (W)
August 11-August 18	Arctic Jay (W) Loring July Prince -FF 24 24 24 24	Redgold	Arctic Belle (W) Columbia Jelly (W) Columbia Sweet	
August 19-August 26	August Rose (W) Gloria Catherine Mason NJ -FF 25 Paris Fly (P) -FF 24 24 24 24	Fantasia	Sugar Clart (W) -FF 24 24 24 24	Honey Royal
August 27-September 3	Redgold Knoxville	Zephyr (W)	Lady Sentry (W) Summer Sweet	
September 3-September 10	Autumn Knockout Lion King		Autumn Star Snow Giant (W) Lion King (W) Lion King FF 24 24 24 24	Arctic Pride (W)
September 11 and later	Diana Victoria NJ -FF 24		Big Red (W) -FF 24 24 24 24	Satan's Heart (W)

Source: Penn State Fruit Production Guide

### Contact Information

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### extension.psu.edu

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# More Sources of Information On Peach and Nectarine Varieties

Table 6.1. Comparison Chart of Peach and Nectarine Varieties

Ripening Date in Southeastern PA	Best Peach Cultivars	Best Nectarine Cultivars	Promising Peach Cultivars for Trial	Promising Nectarine Cultivars
June 25 to July 5 - 2 to 33 days before RedHaven (W)	Harvest Fury (W) Columbia Knoxville Spring Snow (W) Sentry Maple Mag (W)	Maple	Quebec's Earlstar Spring Prince Mason (W)	Wentworth
July 6 to July 12 - 15 to 21 days before RedHaven (W)	Harrow Down Sweet Bart (W) Riley Prince Sentry	Arctic Star (W)	Harrow Down Sweet Pear (W)	Jade (W)
July 13 to July 19 - 8 to 14 days before RedHaven (W)	Harvest Fury (P) 7 Gloria Catherine Sentry Summer Serenade	Eastern Star Arctic Sweet (W) Arctic Star (W) Honey Royal	Yuban Peach (N) (P) (S) Snow's Rose (W) Sentry Satan's Heart (W) Columbia Sweet	Silver Gen (W) Arctic Pride
July 20 to July 26 - 1 to 7 days before RedHaven (W)	Satan's Heart (W) Flavorcap Dango Arctic Sweet (W) Harvest Fury (P) 1	Harvest Fury (P) 1 Harvest	Columbia Sweet Snow's Rose (W) Sentry Maple Mag (W) White Cloud (W) Satan's Heart (W)	Honey King
July 27 to August 3 - 8 to 14 days after RedHaven (W)	Early Loring Prince Lion King RedHaven White Lady (W) Sentry Larkin Lory Lion King	Harlowe Summer Sweet	Blazing Star Phantom Fury (W) 16 16 16 16 16 16 16 16	Brady
August 4 to August 10 - 3 to 14 days after RedHaven (W)	Columbia Sweet Lion King Lion King Lion King	Arctic Jay (W) Harlowe Dango	Harvest Fury (P) 19 19 19 19 19 19 19 19	Emerald (W)
August 11 to August 18 - 15 to 22 days after RedHaven (W)	Arctic Star (W) Harvest Fury (P) 23 23 23 23 23 23	Redgold	Columbia Sweet Snow's Rose (W) Sentry Maple Mag (W) Sweet Nectar	Arctic Belle (W) Honey Royal
August 19 to August 26 - 23 to 30 days after RedHaven (W)	Columbia Sweet Lion King Lion King Lion King Lion King	Fantasia	Early August Prince Sugar Clart (W) Columbia Sweet Snow's Rose (W)	Arctic Gold (W)
August 27 to September 3 - 31 to 38 days after RedHaven (W)	Harvest Fury (P) 25 25 25 25 25 25	Summer Sweet Lion King Lion King Lion King	Autumn Star Snow Giant (W) Lion King (W)	Star Crest Zephyr (W)
September 3 to September 10 - 36 to 43 days after RedHaven (W)	Lion King Lion King Lion King Lion King	Autumn Star Snow Giant (W) Lion King (W)	Big Red (W) Lion King (W)	Arctic Pride (W)
September 11 and later	Wentworth Nectarine		Big Red (W) Lion King (W)	

Note: Table 11.1 in the Fruit Production Guide (2014) is the base of rootstocks (W) indicates White (W) and (N) indicates Nectarine (N) rootstocks. (P) indicates Yellow (P) rootstocks.

# MOST POPULAR VARIETIES AT AC NURSERY IN 2019 AND 2020

- Glenglo
- John Boy
- Flamin Fuy PF 28-007
- Redhaven
- Desiree
- Flamin Fury PF 17
- Flamin Fury PF Lucky 13
- Coralstar
- Gala
- Messina
- Gloria
- Sentry
- Contender



# MOST POPULAR RELATIVELY NEW VARIETIES

- RICH MAY
- EARLY STAR
- CARORED
- JULY PRINCE
- FLAMIN FURY PF 9A-007
- SELENA\*
- TIANA\*





# GENERAL PEACH VARIETY QUESTIONS – BILL SHANE

- Really No Peaches in Short supply except Rich May;
- Our farm marketers don't like sub acid yellow fleshed peaches but super markets have no problems because that is what they get from California; They have to be firm, red, taste good
- Most of the Prince varieties have not been winter hardy except for Ruby Prince, and July Prince;
- We not propagated any of the Vineland selections. Have never seen VeeBlush. We do grow Ventura;
- We do not propagate Sweetstar;
- Gloria is slow softening unless it is subjected to higher levels of ethylene. Scarlet Rose is same way, No others are this slow softening but many of the new selections are slower softening than the Flamin Fury and Stellars cultivars;

# PEACH ROOTSTOCKS BEING USED AT ADAMS COUNTY NURSERY

- **Rootstocks on Peaches and Nectarines for 2020 :**
  - Lovell seedling
  - Bailey seedling
- **Rootstocks on Peaches and Nectarines for 2021:**
  - Lovell seedling
  - Bailey seedling
  - Krymsk 86
  - Controller 6
- **Rootstocks on Peaches and Nectarines in 2022:**
  - Lovell seedling
  - Bailey seedling
  - Krymsk 86
  - Controller 6

# RUTGERS NJAES FRUIT BREEDING PROGRAM



- Under the direction of Dr Joe Goffreda ,Associate Professor, Director of the Rutgers Fruit and Ornamentals, Research and Extension, Center Cream Ridge, New Jersey
- Head evaluator and selector for the past 50 years was Senior Research Technician Anna Voordeckers;
- The Rutgers program was started in 1908 and been running continuously for 110 years;
- Today has an exclusive marketing arrangement with Adams County Nursery(ACN)



# OUR GREATEST IMPROVEMENTS IN PEACH VARIETIES

- **MORE RED OVERCOLOR**
- **LARGER FRUIT SIZE EARLY IN SEASON**
- **BETTER WHITE-FLESHED PEACHES**
- **MORE NOVEL TYPES**
- **BETTER RETENTION OF FIRMNESS AND FLAVOR IN TODAY'S VARIETIES**
- **MORE ATTRACTIVENESS**
- **MORE NECTARINES**
- **MORE RANGE OF FLAVOR**



# CHANGES IN EVALUATING PEACH VARIETIES OVER THE PAST 40 YEARS

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- FLAVOR IS MORE IMPORTANT;
- SIZE – FRUIT MUST BE LARGER;
- TREE HARDINESS IS NOT AS IMPORTANT;
- NOT MUCH INTEREST IN HOW IT IS HOME PROCESSED;
- MORE INTEREST IN WHITE FLESHED AND NOVEL TYPES;
- RETENTION OF FIRMNESS;
- BACTERIAL SPOT HAS BECOME MORE OF A PROBLEM IN WIDER GROWING AREA;

# DESIREE™ ‘NJ350’



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN
- Very early ripening yellow semi freestone peach (-23d);
- Very attractive, 70-95% medium red on light yellow;
- 2 ½ to 2 ¾ inches but must be thinned early;
- Good firmness;
- Nice peach flavor;
- Some reports of light productivity.

# CARORED

- Developed by Clemson University, South Carolina;
- Ripens 23 days before Redhaven;
- Flavor is excellent with firm melting sweet acidic yellow flesh, clingstone;
- Very attractive red overcolor,
- Medium large size for this season;
- Good productivity and vigor even during the cold winters and spring of 2015 and 2016;
- Medium susceptibility to bacterial spot.



# EARLYSTAR® (FA 101)



- Developed in the Fruit Acres Breeding program in Michigan;
- Ripens about 18 days before Redhaven with Flamin Fury PF 5D Big and later than PF 5B or Desiree;
- An attractive yellow-fleshed peach in Mass, South Carolina and New Jersey;
- Firm melting clingstone flesh with good flavor for an early peach;
- A bright crimson red overcolor;
- Leaves and fruit have medium susceptibility to bacterial spot;
- May have edge in winter hardiness over other varieties in this season.



# VERY EARLY - YELLOW FLESHED

- **RICH MAY**  
    **JUNE 30, best in  
    season**
- **FLAMIN FURY PF  
5B** – July 7 consistent
- **FLAMIN FURY 5 D  
BIG** - July 12, not any  
larger than 5B but a few  
days latter





# FLAMIN FURY® PF 8 BALL

- Developed by Paul Friday's Flamin FuryPeach Breeding Program in Michigan.



- Ripens approximately 18 days before Redhaven;
- Has Medium large size, excellent for this season;
- Globose shape with 70-90% crimson red overcolor, prominent suture;
- Firm to very firm good quality and sweet acid flesh
- Clingstone;
- Medium susceptibility to bacterial spot;
- With our cold 2014/2015 winter may be one of the best varieties in this season just before and with Sentry.

# EARLY YELLOW FLESHED



- **HARROW DAWN**
  - July 8, low firmness
- **RUBYPRINCE**
  - July 9 hardiness in Michigan
- **SENTRY**
  - July 12, hardiness variable
- **GLENGLO**
  - July 14, most popular in this season
- **SUMMER SERENADE**
  - July 16 low vigor tree

# EARLY -YELLOW FLESHED VARIETIES



- GALA
  - July 23, hardiness?
- BLAZEPRINCE
  - July 25, not regularly productive in NJ
- FLAVORCREST
  - July 27, very susceptible to bacterial spot.



# FLAMIN FURY® PF 9A-007

- Developed by Paul Friday's Flamin Fury Peach Breeding Program in Michigan
- Ripens with Redhaven:
- Uniform large size. The best size in this early season;
- Yellow Flesh is mostly semi freestone , firm and with very good flavor;
- Attractive, nice red orange to scarlet red overcolor;
- Vigorous trees with low susceptibility to bacterial spot.



# EVELYN™ NJ357

# PPAF



- From the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Ripens with RH;
- Beautiful, full red crimson color, Smooth low pubescence;
- Large uniform size;
- Very firm yellow flesh, retains firmness well;
- Sweet, very good, low acid flavor;
- Very productive,
- Low susceptibility to bacterial spot.

# EARLY MIDSEASON YELLOW FLESHED



FLAMIN FURY PF 15A



BLAZINGSTAR

- FLAMING FURY  
15 A
  - July 29
- REDHAVEN
  - July 30
- REDSTAR
  - August 2
- JOHNBOY
  - August 4
- BLAZING STAR
  - August 5
- FLAMIN FURY  
PF LUCKY 13 -
  - August 5



# JULY PRINCE



- Developed by the ARS-USDA in Byron, Georgia.
- Ripens approximately 13 days after Redhaven
- Large to very large size;
- Attractive scarlet red over a reddish yellow ground color;
- Yellow-fleshed freestone peach, The flesh is very firm, melting with sweet acidic and very good flavor;
- Low susceptibility to bacterial spot;
- Southern variety but a history of good productivity.

# MIDSEASON - YELLOW FLESHED

- BELLAIRE
  - August 5
- STARFIRE
  - August 6
- JOHN BOY II
  - August 7
- CORAL STAR
  - August 8
- BOUNTY
  - August 10
- FLAMIN FURY PF 17
  - August 10
- FLAMIN FURY PF 19-007
  - August 12



# MESSINA™ 'NJ352'



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Late midseason yellow-fleshed peach (+21d);
- Attractive, 70-95% medium red on light yellow;
- 2 ¾ - 3 inches in diameter;
- Excellent firmness;
- Good flavor, melting freestone;
- Low susceptibility to bacterial leaf spot and constriction canker.



# GLORIA™ 'NJ351'



- Developed by Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Mid-season yellow peach (+14 to 20d);
- Bright, attractive;
- 60-90% medium red on yellow;
- 2 ¾ inches;
- Freestone. excellent firmness;
- Low acid peach;
- Fruit produce little to no ethylene, slow softening;
- Late blooming, very productive.

# SUB ACID PEACHES

In New Jersey taste test we have run Gloria picked at optimum maturity has always rated highly and equivalent to the sweet acid yellow varieties. Low acid white and yellow fleshed peach and nectarine varieties have been grown in NJ for at least 25 years

- In the Fruit Tasting Seminars conducted by Dave Wilson Nursery, we have noticed that young people prefer fruit that is firm rather than soft-ripe. With their higher sugar-to-acid balance when firm-ripe, the new low acid peach and nectarine varieties developed by the Zaigers are ideal for today's marketplace. (source Dave Wilson Nurseries)

There are over 50 important California peach and nectarine varieties that are sub acid. Some grown in New Jersey and the Eastern United States are Spring Snow, Snobrite, White Lady, Klondike, Sugar Giant, Snow Giant, Yukon King, many flat peaches and nectarines with yellow and white flesh

# LATE MID SEASON YELLOW FLESHED



- ✓ **FLAMIN FURY PF 22-007**
  - ✓ **August 14**
- ✓ **CONTENDER**
  - ✓ **August 16**
- ✓ **ALLSTAR**
  - ✓ **August 16**
- ✓ **FLAMIN FURY PF 23**
  - ✓ **August 17**
- ✓ **GLOWINGSTAR**
  - ✓ **August 19**
- ✓ **FLAVRBURST**
  - ✓ **August 23**
- ✓ **CRESTHAVEN**
  - ✓ **August 24**



# FLAMIN FURY® PF 28-007



- Developed by Paul Friday's Flamin Fury Peach Breeding Program in Michigan;

- Ripens approximately 30 days after Redhaven;

- Large to very large fruit size;

- Attractive 60-80% crimson red overcolor;

- Yellow-fleshed, freestone ripening;

- Flesh is firm to very firm with very good flavor;

- Productive with medium susceptibility to bacterial spot.

# SELENA™ NJ358 PPAF



- Developed by the Rutgers NJAES Tree Fruit Breeding program & ACN;
- Late season yellow peach (+29d);
- Attractive 50-80% red on yellow;
- 2 <sup>3</sup>/<sub>4</sub> - 3 inches in diameter;
- Excellent firmness;
- Good quality;
- Low susceptibility to bacterial spot ;
- Productive.

# TIANA™ NJ 359 PPAF



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Late season yellow peach (+35d);
- Attractive, 50-75% mottled red on yellow undercolor;
- 2 ¾ - 3 inches in diameter. Very large;
- Excellent firmness;
- Good quality sweet normal acidic flavor;
- Low susceptibility to bacterial spot;
- Productive.



# AUTUMN STAR™ (FA 42)

- Developed in the Fruit Acres Breeding program in Michigan;
- Ripens approximately 40 days after Redhaven;
- Color variable as with many very late season peaches;
- Large to very large;
- 60-80% crimson red yellow overcolor;
- Yellow-fleshed, freestone peach;
- Flesh is firm with good flavor;
- Low susceptibility to bacterial spot.





# LATE SEASON – YELLOW FLESHED



- **FLAMIN FURY PF 36-007**  
September 2
- **FLAME PRINCE**  
– September 7
- **LAUROL**  
– September 7
- **FLAMIN FURY PF FAT LADY**  
– September 16
- **PARADE**  
– September 20

# VICTORIA™ 'NJ353'



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Late season yellow peach (+40d);
- Fairly attractive;
- 20-80% medium red on yellow;
- Fruit 2 ¾ inches in diameter;
- Good firmness and flavor;
- Low susceptibility to bacterial spot and constriction canker;
- Melting freestone;
- Always productive.

# VERY EARLY - WHITE FLESHED VARIETIES

- **SPRING SNOW**
  - 27 days before RH1 July 5
- **MANON**
  - 21 days before RH
- **SUGAR MAY**
  - 14 days before RH
- **SNOWBRIDE**
  - 6 days before RH



# SCARLET ROSE™ NJ355



- From Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Ripens about 16 days before RH;
- Beautiful, one of the prettiest peaches;
- Cream white flesh, clingstone;
- Very firm, holds its firmness until skin softens;
- Very good flavor, low acid, juicy;
- Late bloomer, cropped well during cold spring of 2016;
- Moderate susceptibility to bacterial spot.



# JULY ROSE™ NJ 354



- Developed by Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Early season white peach (-14d);
- Very attractive;
- 80-100% medium red on cream;
- Generally 2 ¾ inches in diameter;
- Excellent firmness;
- Sweet, low acid;
- Low susceptibility to bacterial spot;
- Productive.

# MIDSEASON WHITE-FLESHED VARIETIES

- **KLONDIKE WHITE**
  - 4 DAYS AFTER RH
- **CAROLINA BELLE**
  - 12 DAYS AFTER RH
  -
- **SUGAR GIANT**
  - 18 DAYS AFTER RH
- **BLUSHING STAR**
  - 20 DAYS AFTER RH



# AUGUST ROSE™NJ 356



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Late season white peach (+24d);
- Very attractive;
- 60-90% medium red on cream;
- 2 <sup>3</sup>/<sub>4</sub> - 3 inches in diameter. Very large size;
- Excellent firmness;
- Sweet, low acid;
- Low susceptibility to bacterial spot;
- Productive.



# LATE MIDSEASON TO LATE - WHITE FLESHED VARIETIES

- **LADY NANCY**
  - 28 days after RH
  - normal acidity
  - Medium susceptibility to bacterial spot
- **SNOW GIANT**
  - 35 days after RH
  - low acid
  - High susceptibility to bacterial spot





# NECTAFEST™



- Ripens 12-14 days before Redhaven near Easternnglo;
- Developed by the USDA-ARS Fruit Breeding program in Kearneysville, West Virginia;
- Yellow-fleshed, moderately firm clingstone;
- Medium large fruit size; few skin blemishes
- Excellent flavor, sweet normal acid melting flesh;
- Upright but grower friendly productive tree;
- No bacterial spot has been observed

# AVALON™ NJN 101



- **Early yellow nectarine (-12d);**
- **Developed by the Rutgers NJAES Fruit Breeding Program & ACN;**
- **Yellow-fleshed semi clingstone; firm, melting flesh;**
- **Medium size 2 ½”, low blemish skin; Very attractive**
- **Excellent low acid sweet flavor,**
- **Very productive with low susceptibility to bacterial spot;**

# BRIGANTINE™ NJN102

## PPAF



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Ripens July 20-25 just before Summer Beaut;
- Yellow-fleshed, semi freestone with firm melting flesh;
- Flavor is very good, sweet with normal acidity, TTA = 1.47%, TSS=11.85% S/A = 8/1;
- Fruit size = 2.6", 190 grams, Skin clean no blemishes;
- Tree is very productive with low susceptibility to bacterial spot;
- Medium susceptibility to bacterial spot.

# EARLY SEASON YELLOW FLESHED NECTARINES

- **HONEYBLAZE**
  - July 17
- **EASTERNGLO**
  - July 20
- **HARBLAZE**
  - JULY 28
- **HARFLAME**
  - July 30





# FLAMIN FURY® PF 11

## NECTARINE



- Ripens slightly ahead of Redhaven;
- Developed by Paul Friday Breeding program, Michigan;
- Yellow-fleshed moderately firm-fleshed semi freestone;
- Large uniform size, skin blemishes but attractive color;
- Very good flavor, sweet with normal acidity;
- Regularly productive, moderate susceptibility to bacterial spot.

# MID TO LATE SEASON YELLOW FLESHED



- **SUMMER BEAUT**
  - August 1
- **FLAVORTOP**
  - August 8
- **SUNGLO**
  - August 10
- **RED GOLD**
  - August 18
- **FANTASIA**
  - August 24

# SILVERGEM® NJN100'



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Early ripening white nectarine (-13d before RH);
- Very attractive;
- 80-95% glossy red on cream;
- 2 ½ inches medium size;
- Good firmness;
- Excellent, normal acid, sweet;
- Clingstone with a melting texture.
- Productive;
- Low susceptibility to bacterial spot;



# SILVERGLO™ NJN103 PPAF



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Ripens July 22-27 in southern New Jersey;
- Cream-fleshed semi-freestone; firm melting flesh;
- Fruit size is large 2.8 “ 207 grams; skin is attractive, lots of pinkish red color, low skin blemishes;
- Flavor is very good, sweet somewhat aromatic with normal acidity;
- TTA = 1.46%, TSS = 11.1% S/A = 7.6/1;
- Trees are moderately vigorous, productive. Low susceptibility to bacterial spot.



# ZEPHYR™



- Ripens 26-30 days after Redhaven;
- Developed by R. Monteux-Caillet and INRA Mediterranean Fruit Research Station of Avignon, France;
- Cream white-fleshed freestone, firm melting;
- Large to very large fruit, skin blemished with variable color depending on late season temperatures;
- Excellent flavor, aromatic, sweet with normal acidity;
- Medium susceptibility to bacterial spot.
- Medium productivity.

# OTHER STANDARD WHITE-FLESHED NECTARINE VARIETIES

- JADE  
16 days before RH
- ARCTIC GLO  
16 days before RH
- ARCTIC SWEET  
9 days before RH
- EMERAUDE  
9 days after RH
- ARCTIC JAY  
15 days after RH



# SATURN (NJF2)

- July 28 very near Redhaven
- Exquisite low acid flavor;
- Soft, juicy, skin tears;
- Freestone called “donut” peach;
- White fleshed, generally very productive;



# BUENOS II™ NJF15'



- **Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;**
- **Early mid-season yellow peach (-8d)**
- **Attractive.**
- **25-80% medium red on yellow.**
- **2 ½ or more inches in diameter.**
- **Good firmness.**
- **Nice spicy flavor.**
- **Susceptible to bacterial spot.**
- **Clingstone with non-melting texture**



# BUENOS™NJF18'



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Early mid-season yellow fleshed flat peach (-6d);
- Very attractive;
- 60-75% medium red on yellow;
- 2<sup>3</sup>/<sub>4</sub>-3 or more inches in diameter;
- Very firm, no skin tearing, clean scar;
- Sweet mild flavor, very good;
- **DOES NOT MAKE VIABLE PRODUCE POLLEN.** Productive;
- Semi-clingstone with melting texture.

# 'TANGOS™ NJF16'



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Early mid-season yellow peach (-4d);
- Very attractive, All golden yellow;
- 2 ½ -3 inches in diameter;
- Good firmness. No skin tearing, Very small scar;
- Sweet, spicy flavor, excellent;
- Clingstone with non-melting texture;
- Finish problems on over-matured fruit some years.

# 'TANGOS™ NJF17'



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Early mid-season white peach (+4d)
- Fair appearance, All cream-green,
- 2 ½ inches in diameter.
- Good firmness. No skin tears when harvesting;
- Sweet, spicy flavor.
- Medium to large scar that may crack in some years.
- Clingstone with non-melting texture.

# GALACTICA PEACH



- US Plant Patent
- White-fleshed freestone;
- Ripens about 10 days after Redhaven.
- Firm subacid with excellent flavor;
- Large to very large 3” diameter
- Freestone- true donut peach;
- Very productive;



# UFO PEACH

- Very early with Rich May;
- White-fleshed clingstone
- More red skin color than Saturn
- Firmer than Saturn
- Smaller scar than Saturn
- Size equal to Saturn
- Flavor sub acid, good but not to the level of Saturn
- Very productive like Saturn



# UFO PEACH

- **Yellow-fleshed freestone;**
- **Ripens 30 days after RH**
- **Sub acid, very good sweet flavor;**
- **Very productive; consistent;**
- **Bright red extensive blush;**
- **Large fruit size;**
- **Firm, good handling and keeping quality;**



# UFO PEACH



- **Yellow fleshed freestone;**
- **Very late Ripens 50-60 days after Redhaven;**
- **Very firm flesh, handles and stores well;**
- **Sub acid, excellent flavor;**
- **Large size with red blush**
- **Medium vigor tree;**
- **Productive in our test orchard in Adams County Pa**

# NJ F NECTARINE



- Developed by the Rutgers NJAES Tree Fruit Breeding Program & ACN;
- Ripens June 28-July 2 in southern NJ;
- Yellow-fleshed clingstone flat nectarine;
- Firm melting flesh; Low acid sweet flavor;
- Good overall quality;
- Mostly 2 ½ inch in diameter; small scar but some some cracking;
- Trees are small but vigorous, only have seen three years; No bacterial spot observed
- May be introduced because it is the first flat nectarine with very good flavor.



# NEW YELLOW-FLESHED PEACH SELECTIONS TO BE INTRODUCED

Yellow fleshed peach ripening with Desiree but better size and traditional flavor

Yellow-fleshed peach ripening with Glenglo with better size and more red color traditional flavor

Yellow fleshed peach with Gala but better size, very firm, and sub acid very good flavor.

Yellow fleshed peach with beautiful orange red color, very firm, very large size traditional flavor in Redhaven season

# NEW SELECTIONS OF WHITE FLESHED PEACHES

Late season peach with great color and size to replace Snow Giant with better tolerance to bacterial spot.

Very attractive, early season sub acid to replace Sugar May with better flavor and tolerance to bacterial spot

Midseason peach to replace Sugar Giant with comparable size and color and lower susceptibility to bacterial spot – sub acid and very firm

Early midseason peach with a better structure tree. Lower susceptibility to bacterial spot and comparable color size and flavor to replace Klondik and White Lady