



# WHAT IS NEW IN PEACH, AND NECTARINE VARIETIES 2016

*By*

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## 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™(NJ101)

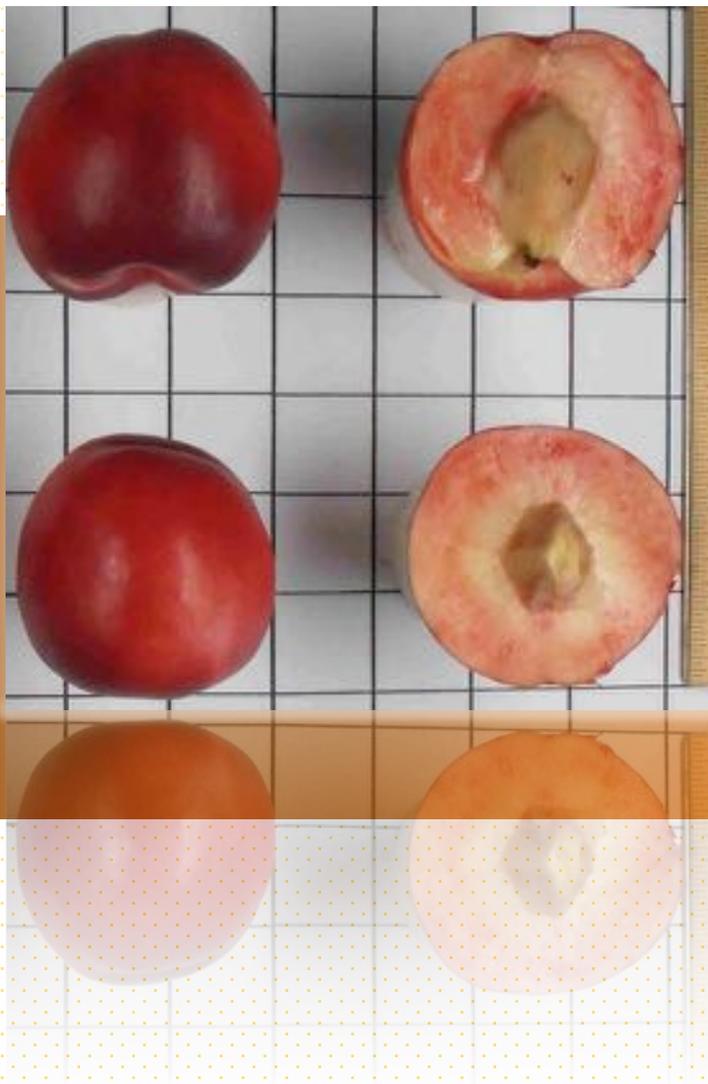
Ripens 11 to 14 days before Redhaven;  
Developed by the Rutgers NJAES Fruit  
Breeding Program and Adams County  
Nursery;

Yellow-fleshed semi clingstone; firm,  
melting flesh;

Medium size, low blemish skin;

Excellent low acid sweet flavor,

Very productive with low susceptibility to  
bacterial spot;



## SILVERGEM™(NJ N100)

Ripens 10-14 days before Redhaven;

Developed by Rutgers NJAES Fruit Breeding Program and Adams County Nursery;

White to cream fleshed, moderately firm(2.4 inches in diameter average melting semi-clingstone

Medium sized but very good sweet flavor

TTA .55% TSS 11.1% SS/A ratio 20/1

Productive trees with low susceptibility to bacterial spot



## CARENE™

An early-season nectarine ripening 10-14 days before Redhaven just before Eastern glo;

Developed by R. Monteux-Caillet and INRA Mediterranean Fruit Research Station of Avignon, France;

Yellow-fleshed, firm melting clingstone;

Flavor very good, sweet, normal acidity;

Medium fruit size, Some skin blemishes

Medium susceptibility to bacterial spot;

moderate productivity



# ARRINGTON

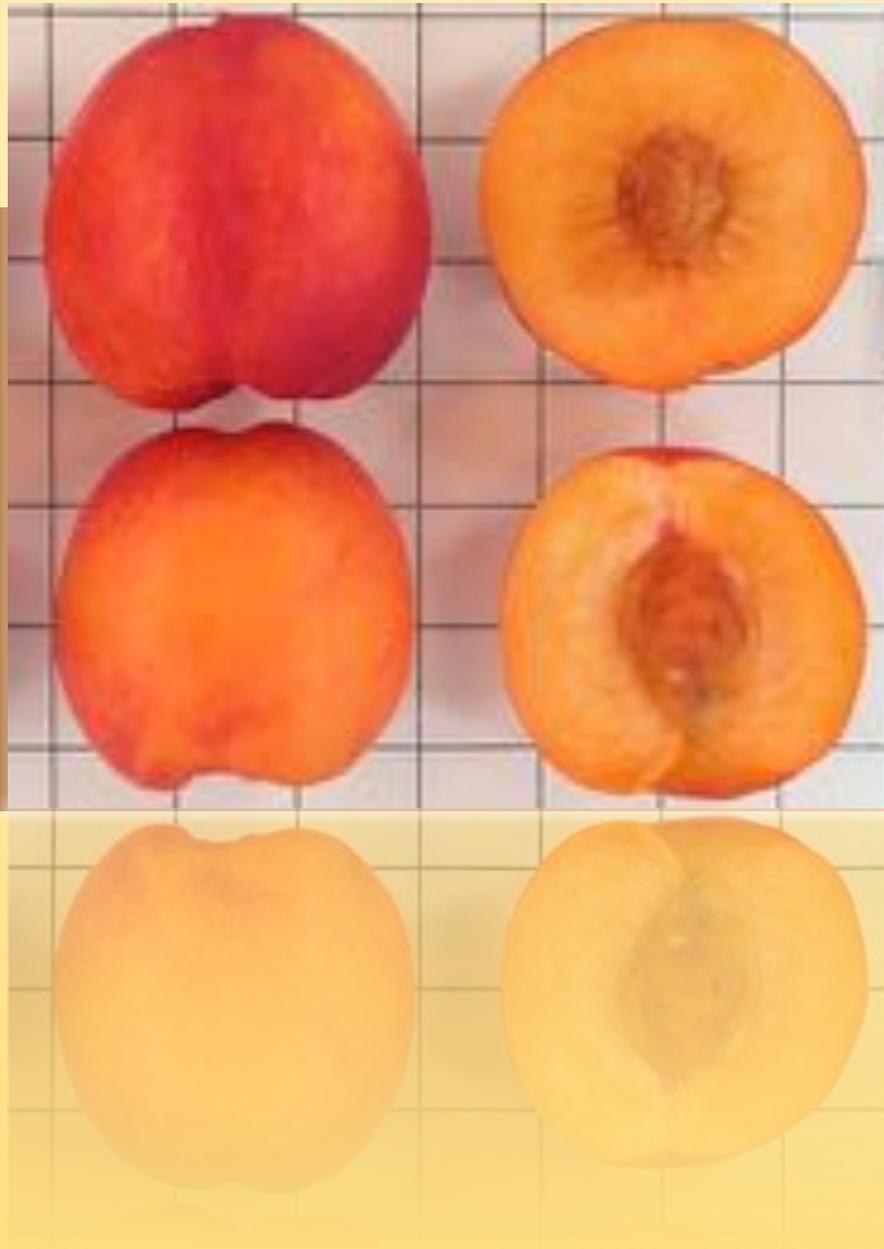
Ripens approximately 6 to 8 days before Redhaven;

Developed by the University of Arkansas Fruit Breeding Program;

Yellow-fleshed, firm, non-melting fleshed clingstone;

Excellent flavor, sweet, slightly sub acid;

A vigorous, moderately productive tree with low susceptibility to bacterial spot.



## BRADLEY

Ripens a few days before Redhaven;

Developed by the University of Arkansas Fruit Breeding Program;

Yellow-fleshed, firm, nonmelting fleshed clingstone;

Very good flavor , sweet., normal acidity;

Fruit is medium large size, finish has been relatively blemish free;

Tree is moderately productive, with low susceptibility to bacterial spot.



## 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.



# 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;

Productive, medium susceptibility to bacterial

# DESIREE™ 'NJ350 USPP19,382



- Developed by the Rutgers New Jersey AES Fruit Breeding Program
- Very early ripening yellow peach . Ripens 23 days before Redhaven
- Very attractive.
- 70-95% medium red on light yellow.
- 2 ½ to 2 ¾ inches. Must be thinned early to size
- Good firmness.
- Nice peach flavor.
- Very productive
- Patented and licensed to Adams County Nursery
- 



# CARORED

- Developed by Clemson University, South Carolina;
- Ripens 23 days before Redhaven;
- Flavor is excellent with firm melting sweet acidic flesh
- Very attractive red overcolor;
- Good size in 2013 for this season. When trees were younger size was only medium;
- Good productivity and vigor;
- Medium susceptibility to bacterial spot;



# EARLYSTAR® (FA 101)



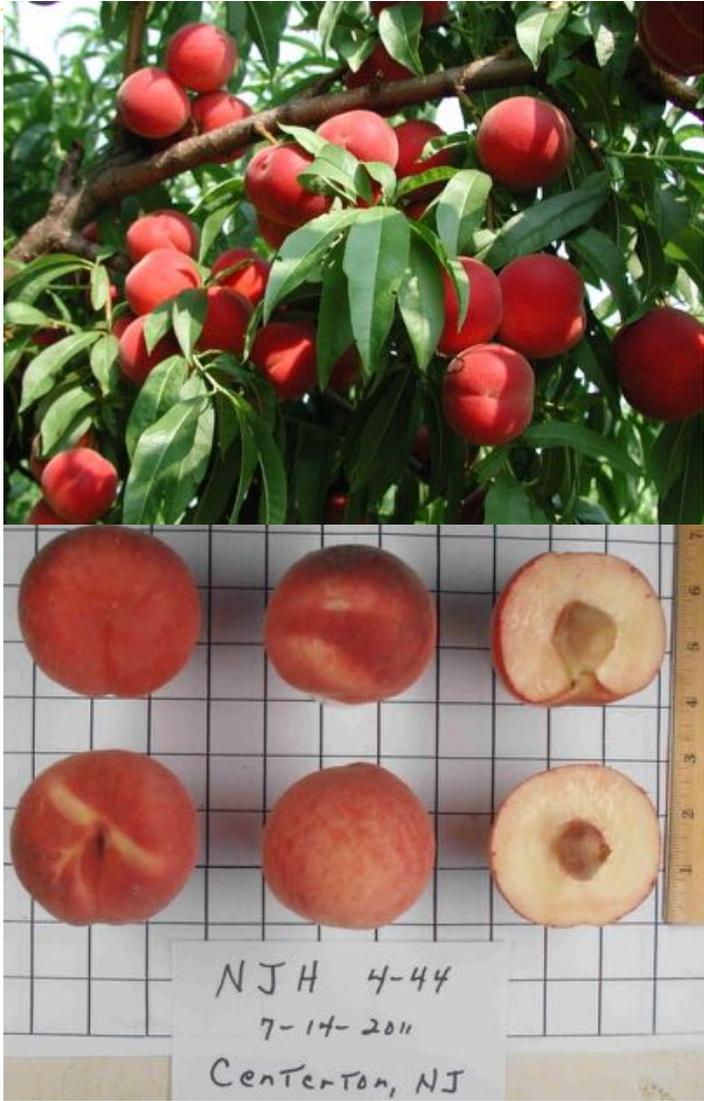
- Developed in the Fruit Acres Breeding program in Michigan
- Ripens about 18 days before Redhaven with Flamin Fury PF 5D Big and later than PF 5B or Desiree.
- An attractive yellow-fleshed peach in Mass, South Carolina and New Jersey.
- Firm melting clingstone flesh with good flavor for an early peach.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

# **JULY ROSE™ (NJ354cv) USPP 23,669**



- Developed by the Rutgers New Jersey Fruit Breeding Program;
- 80-90% crimson red over a creamish red undercolor;
- Ripens 14 days before Redhaven;
- Clingstone, firm, melting, sweet and low acid;
- Very good flavor for an early peach;
- Low susceptibility to bacterial spot;
- Patented and licensed to Adams County Nursery.

# SCARLET ROSE™ (NJ355Cv) USPP23883



- Developed by the Rutgers New Jersey Fruit Breeding Program
- Early season about 7-11 days before RH;
- Very firm almost stony hard;
- Hangs on tree well;
- Medium susceptibility to Bacterial Spot;
- Beautiful color and excellent early low acid flavor, clingstone;
- Full pinkish scarlet red color;
- Patented and licensed to Adams County Nursery.

# FLAMIN FURY® PF 9A-007 US PP 15,498



- Developed by Paul Friday's Flamin Peach Breeding Program in Michigan;
- Ripens just ahead of Redhaven;
- Uniform large size. The best size in this early season;
- 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



# FLAVRBURST™ (KV000398) PP#21378



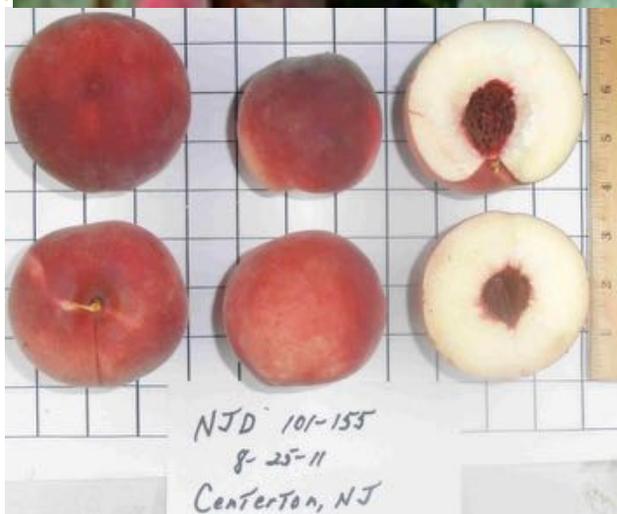
- Developed by the ARS-USDA in Kearneysville, West Virginia.;
- Ripens approximately 10 days after Redhaven;
- Sweet and subacid with excellent flavor;
- Flesh is firm and melting at harvest maturity;
- Medium susceptibility to bacterial spot;
- Standard-type tree, good firmness at harvest maturity;
- Patented and licensed to Adams County

# 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.
- Medium susceptibility to bacterial spot.
- Southern variety so hardiness is suspect but very firm large and beautiful

# AUGUST ROSE™ (NJ356Cv) USPP 23,884



- Developed by the Rutgers New Jersey AES Fruit Breeding Program;
- Ripens 25-30 days after Redhaven;
- Fruit is very large all over 3 inches;
- Freestone, very firm;
- White flesh is subacid with very good quality and flavor;
- Low susceptibility bacterial spot;
- Patented and licensed to Adams County Nursery.

# AUTUMN STAR™ (FA 42)

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





## 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 108 years;

Today has an exclusive marketing arrangement with Adams County Nursery.

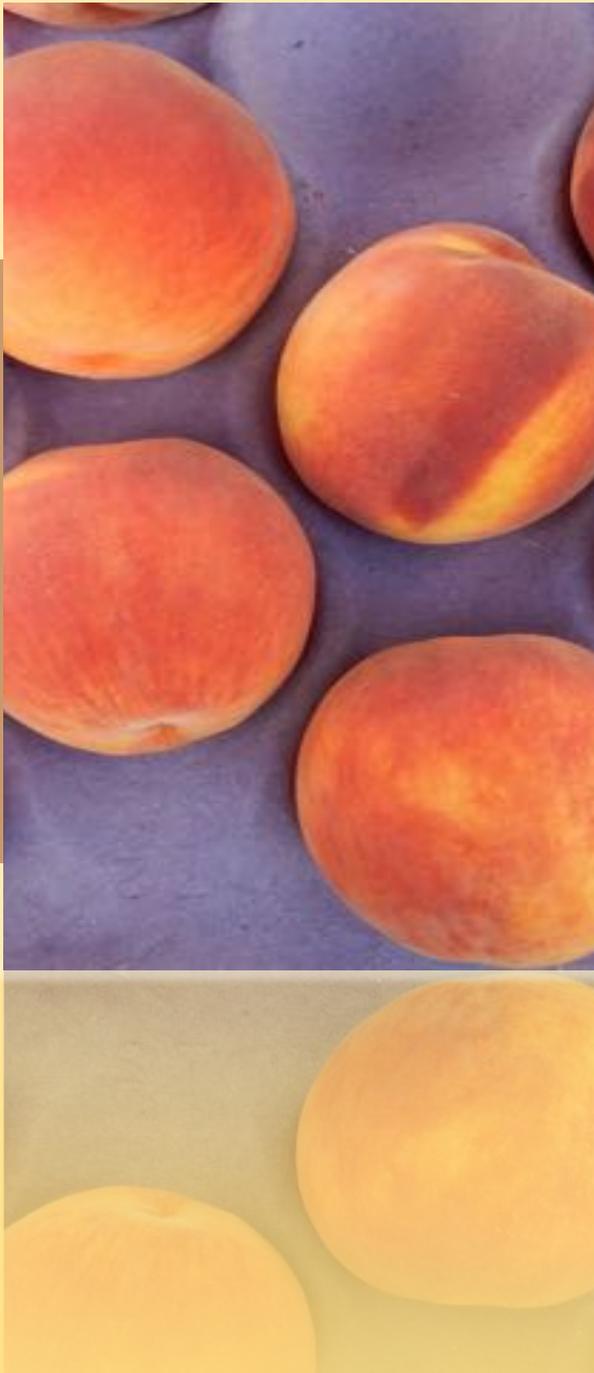


## NJ H7-47 Peach

- ❑ Developed by the Rutgers NJAES Fruit Breeding Program. Will be introduced by Adams County Nursery, Aspers, Pa.
- ❑ Yellow fleshed semi-freestone peach, ripens just after Redhaven.
- ❑ Very firm low acid sweet fles, hangs on the trees well.
- ❑ Evaluated 6 years always cropped with no bacterial spot



## NJ K64-197



- Developed by the Rutgers NJAES Fruit Breeding Program; Will probably be introduced by Adams County Nursery , Aspers, Pa.;
- Yellow-fleshed, freestone peach, ripening 26 days after Redhaven with Jerseyqueen ;
- Flesh very firm, normal acid very good sweet flavor;
- Very large low pubescence; attractive;
- Evaluated six years always productive with no bacterial spot



## NJ K65-76



- Developed by the Rutgers NJAES Fruit Breeding Program; Will probably be introduced by Adams County Nursery, Aspers Pa
- Yellow-fleshed freestone peach ripening 33 days after Redhaven with Encore;
- The flesh is firm and of very good quality; normal acidity
- Skin has a 50-70% crimson red;
- Evaluated 6 years with excellent cropping with no bacterial spot;



# NJH Early Season Yellow fleshed

Ripens July 20-25 with Summer Beaut;

Yellow-fleshed semi freestone with firm melting flesh;

Flavor is very good, seet with normal acidity, TTA = 1.47%, TSS=11.85% S/A = 8/1

Fruit size = 1.6", 160 grams, Skin clean no blemishes

Tree is very productivity with low susceptibility to bacterial spot

Interesting because excellent productivity and low bacterial spot going through patent process



## NJ K early season white

Ripens July 22-27 in southern New Jersey

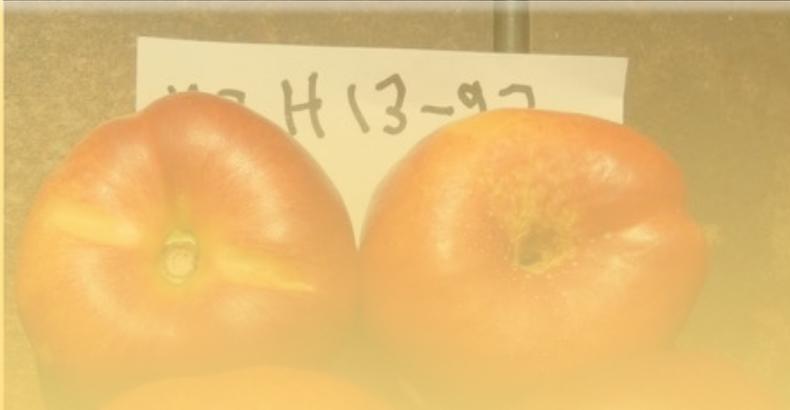
Cream-fleshed semi-freestone; firm melting flesh;

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.

Variety is going through the patent process.



## NJ H very early flat nectarine

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.



## NJ H early nectarine

Ripens July 19-24 with Summer Beaut;

Yellow- fleshed semi-freestone firm melting flesh;

Flavor good, sweet, normal acidity, TTA= 1.14%, TSS=11.24%, S/A = 10/1;

Fruit size, medium large =2.7” or 172 grams; skin relatively blemish free

Medium susceptibility to bacterial spot;  
Productive.



## NJ K very early white

Ripens July 1 to July 4 in southern New Jersey;

Cream-fleshed semi-clingstone with moderately firm, melting flesh;

Medium size, very attractive and has been relatively blemish free;

Very good aromatic sweet normal acidity, flavor;

**Seen some bacterial spot in 3 years of evaluation;**

**Interesting because of its flavor, attractiveness and season of ripening**

# NJ H very early yellow peach

A very attractive, very early ripening yellow-fleshed clingstone peach; 35 days before Redhaven;

Flavor good with large fruit but a few split pits; in multiple blocks;

Attractive peach is interesting because it seems to ripen before Desiree and just after Rich May;

No bacterial spot precocious;





## NI H early season yellow

Ripens July 15-20 in southern New Jersey

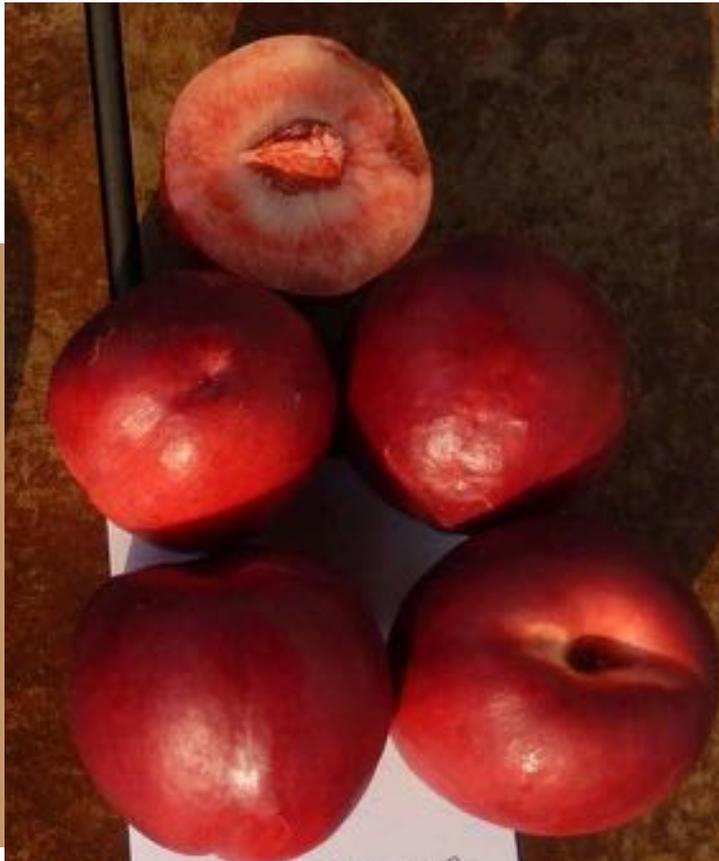
Yellow-fleshed semi-freestone melting firm flesh;

Very good flavor; sweet. low acid,

Medium large; skin relatively blemish free;

Some bacterial spot and 2copper injury in one test **site**;

**Very productive on young trees.**



## NJ H early season white

Ripens July 18- July 21 in southern New Jersey;

White fleshed semi-freestone nectarine;

Firm cream melting firm flesh.

Large size, very attractive, low blemishes;

Flavor is good sweet mildly aromatic sub but not low acidity;

Never observed bacterial spot in 3 years;

Interesting because of size and attractiveness

## NJ H early midseason white

Ripens August 2- August 8, Hangs on tree well;

Cream fleshed, firm melting freestone;

Medium large size, clean no blemishes,  
attractive skin;

Flavor very good, sweet low acid;

Vigorous tree, no bacterial spot observed;

Interesting because it ripens with Arctic Jay  
which cracks, blemishes and get lots of  
bacterial spot



# NJ H early midseason yellow

Ripens August 3-7 in southern NJ with Sunglo;

Yellow-fleshed freestone, very firm, melting flesh;

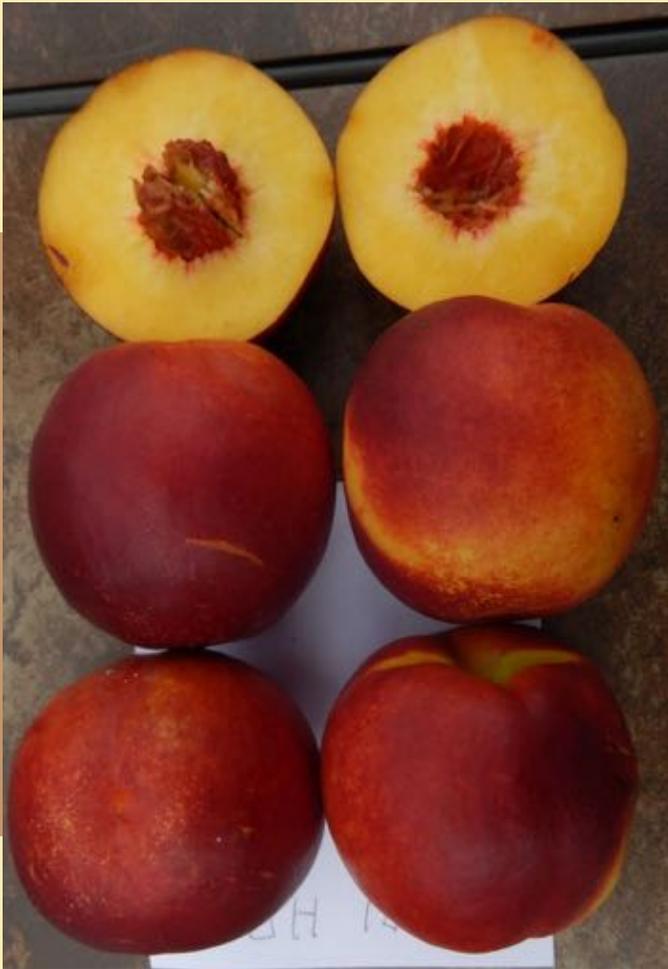
Large size 2.9 inches, 224 grams; Attractive, few blemishes not quite as red as Sunglo;

Flavor, very good, sweet low acid flesh. TTA = .43%,

TSS = 15.40%, S/A = 36 to 1;

Vigorous tree, productive, some bacterial spot and copper injury on young trees;

Interesting because of size, flavor and productivity in Sunglo season





## Acknowledgments:

Dr. Dan Ward Rutgers NJAES Extension Pomologist;

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GC;

New Jersey Peach Council Directors:

Circle M. Farms – Santo Maccherone;

Summit City Farms – Lew DeEugenio;

Sunny Slope Orchards – Ron Thomas;

Fralinger Farms – Bob Fralinger

Larchmont Farms – Charles Haines

Adams County Nursery – Phil Baugher, Jen Baugher, Tom Callahan, and Patti  
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