

Table 1. Evaluation of 'Fu Shuai' apple fruit quality.

| Root stock       | Mean fruit wt. (g) | Soluble solids (%) | Total sugar (%) | Total acids (%) | Fruit firmness (kg/cm <sup>2</sup> ) |
|------------------|--------------------|--------------------|-----------------|-----------------|--------------------------------------|
| M7               | 124.1              | 12.9               | 10.0            | 0.20            | 12.5                                 |
| M4               | 142.1              | 12.8               | 11.4            | 0.19            | 10.1                                 |
| M9/M. micromalus | 135.0              | 16.5               | ---             | 0.18            | ---                                  |

(E. & E.) Salm.], 'Fu Shuai' is recommended for planting in the Yong Shun area.

In Nancheng, Jiangxi Province, 'Fu Shuai' showed very good adaptability. The percentage of fruit set was high, even after rain during the bloom period, and fruit quality was high.

Similar results were obtained at the Shanxi Research Institute of Pomology. At this site, the trees had few physiological and prehar-

vest drop problems. Eating quality was excellent (sugar:acid ratio 72:1) and it had better shelf life and could be transported to market earlier than 'American Summer Pearmain'.

The Xu Zhou Orchard in Jiangsu Province has grown 'Fu Shuai' extensively. Twenty provinces are introducing this cultivar and 5 of them have planted it on a large scale.

Thus, 'Fu Shuai' was considered as a very productive, good, new, early, high quality

apple cultivar and should be planted in central China, especially the Old Yellow River Basin Area, near the suburbs of cities in this region.

#### Availability

Trees and limited scions of 'Fu Shuai' will be available from the Zhengzhou Fruit Research Institute, Chinese Academy of Agricultural Sciences, Zhengzhou, Henan, People's Republic of China.

#### Literature Cited

1. Sheng, B.C., S.L. Shi, and H.Y. Shi. 1982. Studies on the adaptability of apple to the climate in the Old Yellow River Basin Area. *Scientia Agr. Sinica* No. 3:39-44 (English summary).

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## 'La Pêcher' Peach

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'La Pêcher' peach [*Prunus persica* (L.) Batsch] was released to provide a good quality yellow flesh cultivar with a 400 to 500 hr chilling requirement. 'La Pêcher' produces a heavy crop of medium to large semi-freestone fruit that ripen 39 days before 'Elberta' or about 6 June in southern Louisiana.

#### Origin

'La Pêcher', tested as L71-A72-23, was selected in 1973 by P.L. Hawthorne from a group of open-pollinated seedlings obtained in 1971 from 'La Feliciana'. This selection fruited and was evaluated for 9 years.

#### Description

Trees of 'La Pêcher' are vigorous and productive. No tendency toward sunscald on branch bark has been noted. Leaves are large, dark green, serrated, and have 2 to 4 reni-

form glands. The cold requirement to break rest is estimated at 400-500 hr at 7.2°C or below.

Blossoms are nonshowy, light pink with rose margins, and are self-fertile. Flower buds and fruit set have been heavy each year of evaluation, and heavy thinning has been required since it 1st came into production in 1973. Fruit shape is round with a nonprominent suture (Fig. 1) and almost equal halves. Surface color is medium yellow with about 80% bright red over-color. The flesh is yel-

low with red flecks throughout. The semi-freestone fruit are medium to large in diameter (5.7-7.0 cm) with medium pubescence. Fruit quality, firmness, and texture are good.

A uniform score card system of rating peach cultivars and selections is used within the research orchard. An average rating of each characteristic determined for 3 trees of 'La Pêcher', 'Bicentennial', 'Harvester', and 'Idlewild' for 9 years is presented in Table 1.

Results of experimental plantings have shown that 'La Pêcher' is a consistent producer of large, attractive fruit that ripen 11 days after 'Bicentennial', 9 days before 'Harvester', and 3 days before 'Idlewild'. This cultivar is recommended for southern Louisiana and areas with comparable chilling conditions.

'La Pêcher' has shown good resistance to bacterial spot [*Xanthomonas campestris* pv. *pruni* (Smith 1903) Dye 1978] under growing condition in southeastern Louisiana.



Fig. 1. 'La Pêcher' peach.

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Table 1. Nine-year average fruit rating for 'La Pêcher', 'Bicentennial', 'Harvester' and 'Idlewild' peach.

| Characteristic                                       | Fruit rating <sup>z</sup> |                |             |            |
|--|---------------------------|----------------|-------------|------------|
|  | 'La Pêcher'               | 'Bicentennial' | 'Harvester' | 'Idlewild' |
| Fruit set  | 8                         | 8              | 8           | 8-9        |
| Diameter (cm)  | 5.7-7.0                   | 4.5-5.0        | 5.7-7.0     | 5.7-7.0    |
| Shape  | 8 <sup>y</sup>            | 7              | 7-8         | 8          |
| Pubescence   | 7                         | 7-8            | 7-8         | 6-7        |
| Red skin color<br>(% of skin with<br>red over-color) | 80                        | 70-80          | 80          | 70-80      |
| Flesh color<br>(freedom from red)                    | 7                         | 7-8            | 8           | 6-7        |
| Attractiveness                                       | 8                         | 8              | 8           | 7-8        |
| Firmness   | 8                         | 7-8            | 8           | 7-8        |
| Freestone <sup>x</sup>                               | 5                         | 2-3            | 8           | 6-7        |
| Texture  | 7-8                       | 7              | 8           | 7-8        |
| Quality (flavor)                                     | 7                         | 5-6            | 8           | 7-8        |
| Avg. maturity<br>date                                | 6 June                    | 26 May         | 15 June     | 9 June     |

<sup>z</sup>Rating, except size and skin color, are on a scale of 1 (completely unsatisfactory) to 10 (best). Three trees of each cultivar were evaluated.

<sup>y</sup>Slight suture.

<sup>x</sup>1-3 clingstone; 4-7 semi freestone; 8-10 freestone.

## Availability

A limited amount of budwood is available from the Idlewild Research Station, Clinton, LA 70722.

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# 'La White' Peach

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'La White' peach [*Prunus persica* (L.) Batsch] was released to provide a 600-700 hr chilling requirement, low acid, white flesh cultivar adapted to conditions in southeastern Louisiana. 'La White' produces a heavy crop of medium to large semi-freestone fruit that ripen 27 days before 'Elberta' or about 18 June in southeastern Louisiana.

## Origin

'La White', tested as L71-A64-42W, was selected in 1973 by P.L. Hawthorne from a group of open-pollinated seedlings derived in 1971 from L69-66-50 (open pollinated seedling of 'Nectar'). Fruiting trees were evaluated for 7 years.

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## Description

Trees of 'La White' are vigorous and productive. No tendency toward sunscald on branch bark has been noted. Leaves are large, dark green, serrated, and have 2 to 4 reniform glands. The cold requirement to break

rest is estimated at 600-700 hr at 7.2°C or below.

Blossoms are nonshowy, light pink with rose margins, and self-fertile. Flower buds and fruit set have been heavy each year of evaluation, and heavy thinning has been required since it 1st came into production in 1973. Fruit shape is round with a nonprominent suture (Fig. 1) and almost equal halves. Surface color is white with about 70% to 80% bright red over-color. The flesh is white with red flecks throughout. The semi-freestone fruit are medium to large in diameter (5.7-6.4cm) with medium pubescence. Fruit quality, firmness and texture are good.

A uniform score card system of rating peach cultivars and selections is used within the research orchard. An average rating of each characteristic determined for 3 trees of 'La

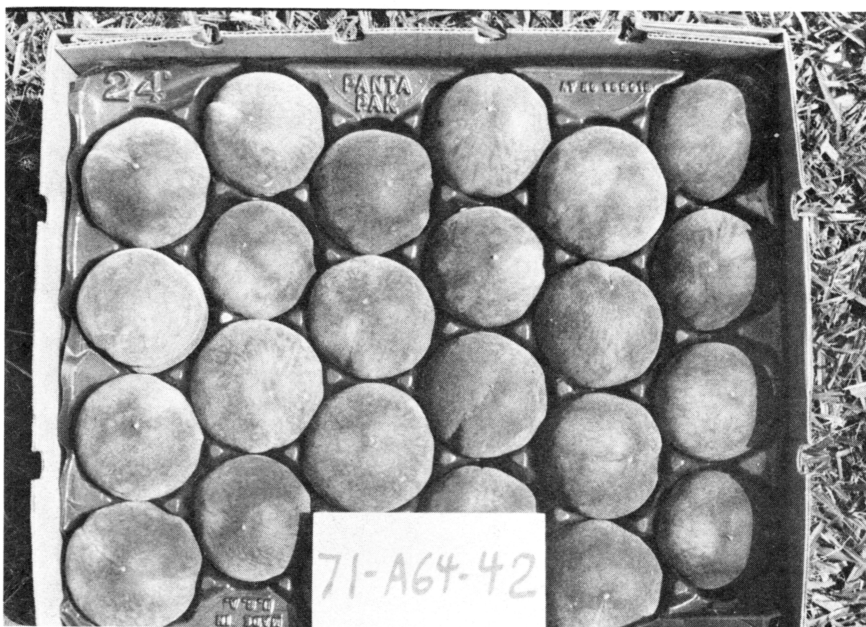


Fig. 1. 'La White' peach.