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

Characteristic	Fruit rating[z]			
	'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[y]	7	7–8	8
Pubescence	7	7–8	7–8	6–7
Red skin color (% of skin with red over-color)	80	70–80	80	70–80
Flesh color (freedom from red)	7	7–8	8	6–7
Attractiveness	8	8	8	7–8
Firmness	8	7–8	8	7–8
Freestone[x]	5	2–3	8	6–7
Texture	7–8	7	8	7–8
Quality (flavor)	7	5–6	8	7–8
Avg. maturity date	6 June	26 May	15 June	9 June

[z]Rating, except size and skin color, are on a scale of 1 (completely unsatisfactory) to 10 (best). Three trees of each cultivar were evaluated.
[y]Slight suture.
[x]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

J.E. Boudreaux[1], C.E. Johnson[2], P.L. Hawthorne[3], W.A. Young[4], R.L. Cunningham[5], M.G. Lartigue[6], T.J. Raiford[6], F.J. Peterson[7], and P.W. Wilson[1]

Louisiana Agricultural Center, Baton Rouge, LA 70803

Additional index words. fruit breeding, *Prunus persica*

'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.

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.

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[1]Assistant Professor.
[2]Assistant Professor. Present address: Calhoun Research Station, Calhoun, LA 71225.
[3]Professor Emeritus.
[4]Resident Director. Present address: Calhoun Research Station, Calhoun, LA 71225.
[5]Farm Research Supervisor II. Present address: Idlewild Research Station, Clinton, LA 70722.
[6]Research Associate.
[7]Resident Director. Present address: Idlewild Research Station, Clinton, LA 70722.

Table 1. Seven-year average fruit ratings for 'La White', 'Harvester', and 'La Feliciana' peach.

Characteristic	Fruit rating[z] 'La White'	'Harvester'	'La Feliciana'
Fruit set	8	8	10
Diameter (cm)	5.7–6.4	5.7–7.0	5.7–7.0
Shape	7–8[y]	7–8	9
Pubescence	8	7–8	7–8
Red Skin Color (% of skin with red over-color)	80	80	70–80
Flesh color (freedom from red)	7–8[x]	8	7
Attractiveness	8	8	8–9
Firmness	7	8	8–9
Freestone	7–8	8	10
Texture	8	8	8
Quality (flavor)	8	8	8–9
Avg. maturity date	18 June	15 June	5 July

[z]Rating, except size and skin color, are on a scale of 1 (completely unsatisfactory) to 10 (best). Three trees of each cultivar were evaluated.
[y]Slight suture.
[x]White flesh.

White', 'Harvester', and 'La Feliciana' for 7 years is presented in Table 1.

Results of experimental plantings have shown that 'La White' is a consistent producer of large, attractive fruit that ripen 3 days after 'Harvester' and 17 days before 'La Feliciana'. This cultivar is recommended for limited commercial production in central and southeastern Louisiana and comparable areas with comparable chilling conditions.

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

Availability

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

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'Harrow Beauty' Peach

Richard E.C. Layne
Research Station, Agriculture Canada, Harrow, Ontario, Canada NOR 1G0

Additional index words. fruit breeding, *Prunus persica,* winter hardiness, disease resistance

'Harrow Beauty' is a very attractive, medium-sized, firm-fleshed, cold hardy, freestone peach *[Prunus persica* (L.) Batsch] that ripens between 'Canadian Harmony' and 'Loring'. It was introduced in 1983 for the Ontario fresh market as a possible replacement for 'Loring' which is marginally adapted to all but the best peach sites in Ontario. The tree is of medium vigor, cold hardy, productive, and appears to have moderate field tolerance to perennial canker (*Leucostoma* spp.). The fruit seem resistant to bacterial spot [*Xanthomonas campestris* pv. *pruni* (Smith) Young et al.], brown rot [*Monilinia fructicola* (Wint.) Honey], split pits, preharvest drop, and flesh oxidation. The fruit are well suited for the fresh market including local sales and shipping. 'Harrow Beauty' is performing well in regional trials in Ontario and is adapted to regions where 'Redhaven' is successfully grown.

Origin

'Harrow Beauty' resulted from hybridizing 'Cresthaven' x 'Harken' at Harrow in 1971. It was selected in 1976 and given the designation H 7120046. It was propagated by the Western Ontario Fruit Testing Association (WOFTA) and placed in regional trials as budded trees beginning in 1978 under the designation HW 231. Propagated annually by WOFTA for regional trials since 1976, 'Harrow Beauty' also was propagated in the United States beginning in 1980 by the New York State Fruit Testing Cooperative Association (NYSFTCA). In this report the performance of 'Harrow Beauty' is compared with its parents, and with 'Canadian Harmony' and 'Loring', the 2 most important commercial cultivars in Ontario that ripen in the last week of August.

'Harrow Beauty' was placed in 2nd test as budded trees at Harrow in 1978. Its performance from 1980 to 1983 was compared with 'Cresthaven', 'Harken', 'Canadian Harmony', and 'Loring' in a replicated orchard planting of 4 trees each at the Harrow Research Station (Table 1). The overall performance of 'Harrow Beauty' based on 15 rated characters was superior to its parents,

Table 1. Performance of 'Harrow Beauty' in comparison with its parents and 'Canadian Harmony' and 'Loring' (1980 to 1983).

Characters evaluated	Avg rating[z] 'Harken'	'Canadian Harmony'	'Harrow Beauty'	'Loring'	'Cresthaven'
Tree vigor	7.8	7.1	7.3	7.0	6.8
Winterhardiness	4.8	5.3	6.3	6.3	5.5
Perennial canker	5.5	4.6	6.4	5.5	4.5
Bacterial leaf spot	9.0	6.8	8.0	8.5	7.6
Bacterial fruit spot	9.0	6.5	8.1	8.5	7.4
Productivity	6.5	6.0	6.3	6.0	5.7
Uniformity of ripening	6.8	6.5	8.0	6.8	6.1
Fruit size	7.0	7.8	7.1	7.5	6.8
Attractiveness	7.8	7.0	8.0	6.0	6.0
Blush	8.0	7.0	8.1	4.5	5.5
Flesh firmness	8.0	7.1	7.9	7.3	7.1
Flesh adherence to pit	7.0	7.0	7.6	7.2	7.0
Red pigment in flesh	8.3	7.4	6.1	8.0	6.9
Flavor	6.8	6.6	7.0	6.3	6.1
Split pits	7.5	7.1	8.9	7.8	6.6
Total score (15 characters)	109.8	95.2	111.1	103.2	95.6
Avg. ripe date	17 Aug.	27 Aug.	28 Aug.	31 Aug.	8 Sept.

[z]Ratings were subjective on a scale of 1 (least desirable) to 10 (most desirable). All trees were propagated on Siberian C rootstock and tested in the same orchard.

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