

NC-140 Peach Rootstock Trial  
Progress Report, 1988

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Yield in 1988 was comparable to 1987, but fruit size was substantially larger on most rootstocks. The own rooted Redhaven continued to produce well, very similar to our standard rootstocks, Lovell and Nemaguard.

The dwarfing rootstocks are all turning out to be quite disappointing under California conditions. Citation has had good fruit size in past years, but was quite small in 1988. The trees continue to look unhealthy. GF-655-2 is a healthier looking tree but fruit size has been consistently poor. Damas 1869, besides having an unacceptable number of suckers, has not been very productive and has had somewhat smaller fruit sizes.

In 1987, Lovell and Nemaguard seemed to induce somewhat less percent red color on the fruit, even compared to trees of similar canopy density. The same pattern did not hold true in 1988. We plan to look at this more objectively in 1989 using a camera imaging color sorter.

NC-140 Peach Rootstocks  
Yield Summary

	Yield Kg./Tree			Mean Fruit Wt. (g)			% Red Color	
	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1987</u>	<u>1988</u>
Own	25.86	63.00	58.62	139	145	186	62	44
Halford	25.81	63.43	52.35	126	143	181	59	35
Siberian C	24.60	57.94	56.30	148	141	178	62	35
Bailey	26.85	57.16	42.97	137	139	190	57	37
GF-677	22.73	63.28	57.96	122	142	185	51	42
GF-655-2	8.33	9.36	11.02	128	120	128	62	54
Damas 1869	19.85	30.15	27.68	137	124	162	69	49
Lovell	19.55	56.39	54.27	147	155	185	46	39
Citation	4.78	8.03	7.79	155	148	98	55	38
Nemagard	15.24	59.23	54.36	163	158	192	40	42