

## SARE RESULTS – NOTES

1. If the tied trees had been planted much closer together, as they are in California, at the rate of 150 trees per acre rather than 105 trees per acre as they are in these orchards, the per acre yield would be much greater. Estimated results:

For the PF24-007 variety the yield was:  $1.25 \text{ bushels / tree} \times 151 \text{ trees per acre} + 189 \text{ bushels/acre}$ . This would be almost the same yield as the "not tied" trees planted at  $105 \text{ trees per acre} \times 1.77 + 186 \text{ bushels/acre}$ .

Treating the Cresthaven trees similarly we find that  $151 \text{ trees} \times .37 \text{ bushels/tree} + 56 \text{ bushels/acre}$  for "tied" trees as opposed to  $105 \times .97 + 101.85 \text{ bushels/acre}$  for "not tied" trees.

Although not too bad for the PF24-007 variety, the results look discouraging for the Cresthaven variety in this first year. We are looking forward to this second year of data for 2001.

2. It is unfortunate that we had already pruned all the trees in this experiment, both the "tied" and the "not tied" trees the year before, using the standard method. The resulting effort needed to begin to form the "tied" trees to the "new method" cost us in having to cut an extra amount of fruiting wood. This most probably resulted in lost yield in those trees.
3. We want very much to continue this program and feel that our first years results are just that, a beginning. The new pruning techniques will now be in place for year two. And we are eager to plant new plantings closer together as mentioned in #1 on this page. Also, pruning techniques will be altered for "tied tree" research project.
4. Thank you for supporting this research in the first year. We are as excited about the work as we were in our initial application. Hopefully, we will continue together this second year.

*Genie DeCou - owner*

*Raf DeCou - project manager*

## PRODUCTION DATA

### PEACH VARIETY: PF-24-007

TIED TREES: 840 trees

Production: 1st picking = 297  
2<sup>nd</sup> picking = 496  
3<sup>rd</sup> picking = 240  
4<sup>th</sup> picking = 20  
TOTAL = 1053

1053 bushels / 840 trees = 1.25 bushels per tree

NON-TIED TREES = 189 trees

Production: 1<sup>st</sup> picking = 154  
2<sup>nd</sup> picking = 151  
3<sup>rd</sup> picking = 30  
4<sup>th</sup> picking = 0  
total = 335

339 bushels/189 trees = 1.77 bushels per tree

### PEACH VARIETY: CRESTHAVEN

TIED TREES - 94

Production: 1<sup>st</sup> picking = 20  
2<sup>nd</sup> picking = 15  
total = 35

35 bushels/ 94 trees = .37 bushels per tree

UNTIED TREES - 72

Production: 1<sup>st</sup> picking = 40  
2<sup>nd</sup> picking = 30  
total = 70

70 bushels/72 trees = .97 bushels per tree