

MODERATOR HILLENMEYER: Thank you, Mrs. Stone.

Our next speaker is Mr. Vincent Bailey, J. V. Bailey Nurseries, St. Paul, who will speak on Softwood Rooted Cuttings of *Prunus cistena* and *Prunus triloba*. Mr. Bailey.

PROPAGATION OF PRUNUS CISTENA & TRILOBA BY SOFTWOOD CUTTINGS

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This subject was discussed with you two years ago by Rodney Bailey but I feel it is of sufficient importance to again bring it to your attention. The superiority of own root plants over those budded on *Prunus americana* or some other root stock is so obvious that I will not take time on that but rather will discuss our method of producing plants from soft wood cuttings.

Our schedule during the past summer was as follows:

	Stuck	When	Rooted	%
<i>Prunus cistena</i>	29,000	July 12	18,445	64
<i>Prunus triloba</i>	20,000	July 15	12,875	64

The per cent of *cistena* rooted in 1960 and 1961 was 80 and 65 per cent *triloba* rooted.

The greenhouse is equipped with air conditioning and humidification. The air conditioning allows us to use much more sunlight which I believe is important to success. The relative humidity is carried at 80 to 85 percent for the first 3 to 4 weeks and this contributes to success.

A mild solution of Indolebuteric acid is used as a soak. It is important to take cuttings at proper stage of maturity.

The rooted cuttings as you see them on exhibit in this room, are lifted in late November and rolled up in Polyethelene sheets, 250 to 500 per bundle. These are then stored without packing in a room at about 34 to 35 degrees F. until planting time in late April. They are then placed in 40 inch field rows 8 to 10 inches apart. We are getting about 90 per cent survival (estimated) and a very good growth. (80 per cent finished saleable plants). Most of these are grown two years when the highest per cent of the plants will be $\frac{2}{3}$ ' grade. A few of the *cistena* are grown 3 years to obtain some 4 to 5 foot sizes.

You can readily see the low cost of production under this method where no potting is done and several thousand plants can be carried to the planting site in a matter of minutes. If we are to progress as an industry, we must be always alert to means of offering a better product to the public at a price that returns a profit to the producer. Thank you.