Drought effects

recover until late at night. As a result, under the drought conditions, the stomates are closed and the trees produce less sugars during the daylight hours. The leaves actually draw water from the fruit," he said.

The carbohydrates needed to sustain the tree over the winter will be present in lower amounts than normal since the tree did not have the conditions needed to produce the sugars, Greene said.

He emphasized that there is always a certain amount of winter injury incurred by susceptible fruit trees, but he feels that this year the situation may be especially severe. He said apples trees, and

especially peach trees, are sensitive to fluctuations in winter temperatures and even if the county would have a mild winter, the trees would be affected if the temperature dipped too far below zero on only one or two nights.

"An apple tree would do better at a 20 degree daytime and zero night-time temperature for the entire winter," he said, comparing that to a very low night temperature and a moderate daytime one. In addition, he continued, bright sunshine coupled with 30 to 50 degree daytime temperatures can be especially bad because the sun can heat the bark of the tree as much as 30 degrees above air temperature.

Irrigating trees was a big expense for growers this year, and Greene said he feels there will be more interest in trickle irrigation since the county has experienced such a dry season.

A main difference between trickle irrigation and sprinkle or overhead irrigation, he said, is in the amount of water used. He said about 27,000 gallons of water per acre are needed to supply on-inch of water on one acre using the sprinkle method. This amount would last about one week, he noted, that compares to about 24 gallons of water a day needed to irrigate one tree by trickle irrigation.

AUCTION

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Auction will begin with tools, tractor and attachments at 11 AM. Pinball Machine at 12 Noon with furniture to follow.

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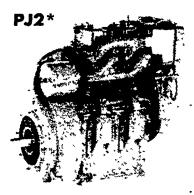
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