

Apples, Carrots Just Don't Mix

GENEVA, N.Y. (UPI) — A team of Cornell University scientists has discovered that chemical changes which produce bitter-tasting carrots hold in cold storage with apples are due to the action of a gas, probably ethylene, given off by the apples.

The theory developed from tests of four samples of carrots from eight different farms. The carrots were stored in 10 refrigerated storage bins to determine why the vegetables developed a bitter flavor.

All the carrots in three bins where there were no apples remained free of bitterness. In the other seven, apples were included and all the carrots involved became so bitter they could not be processed.

Soil Auger Proves Worth In Gooseneck Tree Plant

By C. D. TRICKEY

The day of the planting bar and mattock is almost a thing of the past in reforestation work on the Gooseneck Ranger District, Klamath National Forest. A newly developed soil auger that drills a planting hole in most any type of soil is responsible for the demise of the old standard planting tools.

This "Little Beaver" auger drills a four-inch round hole in the soil leaving straight sides that are ideal for planting seedlings. The trees that are being planted in the Prather Ranch planting site are three-year-old ponderosa pine seedlings obtained from the Mount Shasta Nursery at McCloud, California.

The planting site is in an old brush field on the southeast slope of Ball Mountain that is the result of a lightning fire that happened in 1924. This valuable timber site was taken over by useless brush

after fire made it a forest of snags and charred earth. Thirty five acres were machine cleared and the brush and snags wind-rowed in 1959 leaving clear planting sites between windrows.

The four-man crew, with one man boring holes and three planting, averages about 2,300 seedlings per day in good soil.

The fatigue factor is eliminated by changing operators with each refill of the gas tank at about one and one-half hour intervals. Although one man has operated the Eager Beaver for a full shift, a fellow is glad to be rid of the backing, bouncing spluttering

pounds of machinery when the gas tank goes dry.

This little machine not only speeds up production but its use results in a better planting job because the bored holes have straight sides and are drilled deep enough so there is no danger of cramping the roots, no reason for air pockets around the roots and never any bent up roots to be exposed to the sun. It is too early to tell yet but we firmly expect to get much better survival of the young trees than with the old methods.

The Gooseneck District has an

ambitious planting program planned for this spring.

Twenty two thousand trees are to be planted in the Prather Ranch site by the Forest Service crews. Contract planters are going to plant 73,000 trees at the Bogus-Shake Camp timber sale unit, 68,000 at the Bull Meadow timber sale unit, 41,000 in the Lower Parker Creek timber sale unit and 14,000 in the Ball Mountain fire unit.

With the help from Mother Nature in the form of a little rain now and then this spring we should have a good stand of pine for future harvest.



FOREMAN ROY ANDRUS with the Little Beaver on his back is shown here drilling planting holes next to a brush windrow. —Photo by Trickey



THE PLANTING STOCK is removed from the nursery boxes where it has been packed in damp moss and shavings and is then dipped into the tub of wet vermiculite in the foreground, then hurried into the planting bags. The roots are never exposed to the air for more than a few seconds at a time. —Photo by Trickey



THE FULL CREW is shown here on the job. Left to right are Joe Otey, James Arasim, Roy Andrus, Zack Walton and J. C. Bell with the soil auger. —Photo by Trickey

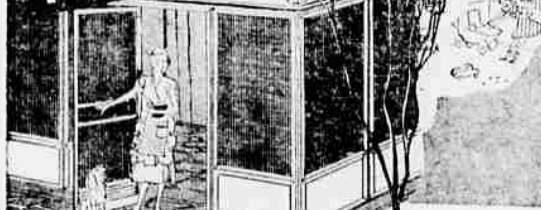


IT'S A TWO MAN JOB to start the soil auger after a change of operators. Here J. C. Bell is about to take his turn at the chore. —Photo by Trickey



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