

BROADWAY BROWSINGS

The Theta Rho girls had a nice trip to Klamath Falls . . .

Estacada Locals

Mr. and Mrs. Neil Linn and daughters were dinner guests Father's Day at the home of her parents Mr. and Mrs. Roy Douglas of Eagle Creek.

Father's Day dinner guests at the home of Mr. and Mrs. Ralph Wade were Mr. and Mrs. Wilbur Wade and Merle. Guests during the afternoon were Mr. and Mrs. Brooks Snyder and Larry and their house guests, Mr. and Mrs. Joe Fake of Portland.

Mr. and Mrs. George Armstrong had as a visitor the past week her sister, Mrs. Olive Davis of Corvallis. Mrs. Davis and the Armstrongs spent several days in Sumner, Washington, visiting at the home of Mr. and Mrs. Steve Elysson, Mr. and Mrs. L. D. Elleson and the Leonard Davis family.

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About The Farm - - -

By John J. Inskeep, County Agent

Attention all holly growers!! One of the most destructive of insects infesting holly has established a beachhead in the southern portion of Multnomah county and the northern portion of Clackamas county. It is called the holly leaf miner. The larvae

of the leaf miner burrows between holly leaf tissues. The result is an ugly leaf blister roughly the size of a quarter.

Immediately after identification of the leaf miner, the Oregon State Department of Agriculture went into action. Pete Larson, a state department staff member, completed a survey showing the extent of the infestation as of June 10.

"Apparently," Larson reports, "the infestation started from a point near Reed college two years ago. It now extends as far north as Powell boulevard and as far south as Harrison street, Milwaukie. The miner has crossed the Willamette and has been found near Oswego. Had the infestation been discovered sooner, we might have initiated an eradication program. It now appears that eradication is impractical, if not impossible. The leaf miner has been a scourge to the state of Washington growers for years. It is likely that the infestation near Reed college started from holly brought in from the state of Washington. We may never know by whom or how."

The adult of the leaf miner is a fly about a fourth the size of the house fly. Eggs are deposited in May on the underside of the holly leaf. The maggot hatching from these eggs burrows between the leaf tissues causing damage as previously described. Fortunately the leaf miner is easy to control with DDT spray about the middle of May when the flies are out. Two pounds of wettable DDT powder per 100 gallons of water used at that time controls both the leaf miner and the troublesome oblique-banded leafroller. This is the worm which ties up the new leaf tips in a web about the first of June. It is likely that a malathion spray used for the soft brown scale in May will also control the leaf miner.

The leaf miner has not yet appeared in commercial orchards in this county. Nor is it likely to do so, when the orchardist is using a good recommended spray program. However, if left uncontrolled, the leaf miner is ruinous in commercial orchards. Unsprayed backyard trees are likely to be a continuous source of trouble.

Growers who suspect infestation of the leaf miner are asked to send specimen leaves, or bring them, to the extension office, basement of the post office building, Oregon City. Or to the State Department of Agriculture, Salem. It will be obviously impossible to make a personal inspection of all of the many plantings in the county. We expect a flood of requests.

Natural leaf drop is extremely prevalent in nearly all plantings this year. This leaf drop occurs each year to a greater or less extent. It should not be confused with leaf miner.

The possibility of boron shortage in our Clackamas county soils, and possible effects of a shortage of this element on Clackamas county crops, first came to our attention this spring. Securing a soil analysis for boron has not been a customary practice. No one thought of it aside from a few alfalfa, celery, and broccoli growers.

Well, this spring a few alfalfa growers asked for boron analysis from the state laboratory at Corvallis. Results showed short supply in every sample submitted. We then suggested that more farm operators ask for the boron test in addition to tests for limestone, phosphorus, and potash. Results have been interesting if not conclusive.

In going back over our records, we find that 29 samples have been submitted during the past two years. Of these, 22 have been low, 4 adequate, 1 medium, and 2 high. It is likely that boron has previously been

applied to all samples showing adequate and high count. The 29 analyses are very few in relation to the hundreds of samples submitted for analyses for other elements. However, the trend is definite and points to the desirability of asking for boron analysis when samples are submitted for other analysis.

The possibility exists that boron shortage may be a limiting factor no matter how well a given soil is supplied with other elements. But we cannot be sure for this is a relatively new problem. No one knows for certain which plants respond more favorably to the use of boron. A generous supply of boron is absolutely essential for production of table beets. For instance, in Lane county, where beets are produced extensively for canning, growers would not think of planting without providing the necessary boron. The amounts they use for beets would be certain death to snap bean plantings. Boron is toxic when used in excess for a given crop and snap beans is one of them.

Boron corrects celery crick, unsightly cracks in all root crops, water core of apples, abnormality in walnut trees. Boron affects yields of walnuts, alfalfa, and clover seed.

We suspect that boron shortage may be responsible for abnormalities in other plants. Possibly the dieback of raspberry plants formerly attributed to winter kill may be due to boron shortage. And how about obscure abnormalities of strawberry plants and peach trees? We do not know, but we are making a few demonstration applications for observation during the next few years.

Here is a case in point. Analysis of a soil sample from a holly orchard shows only 6 per cent of what might be considered a normal boron content. What might be the effect of this apparent shortage on vigor of the tree and production and maturity of barried sprays? The same

orchard soil is bountifully supplied with phosphorus and potash.

This does not mean that every one should make a dash to the nearest fertilizer dealer for purchase of agricultural borax as a cure-all. Agricultural borax is the carrier of boron. The reason for this statement is that boron, like certain other trace elements, can be highly toxic when used in excess. In few cases would we suggest use of boron without a soil analysis. Results of the analysis should indicate how much boron can be used safely.

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Past Matrons Meet

ESTACADA—Mountain Chapter's past matrons club met last week at the picnic grounds of the PGE company, near the River Mill power plant.

Hostesses were Mrs. Bessie Meade, Mrs. Abbie Armstrong and Mrs. Lavina Ahnert. Eleven adults and two children were present.

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Alan Olson
Photografies

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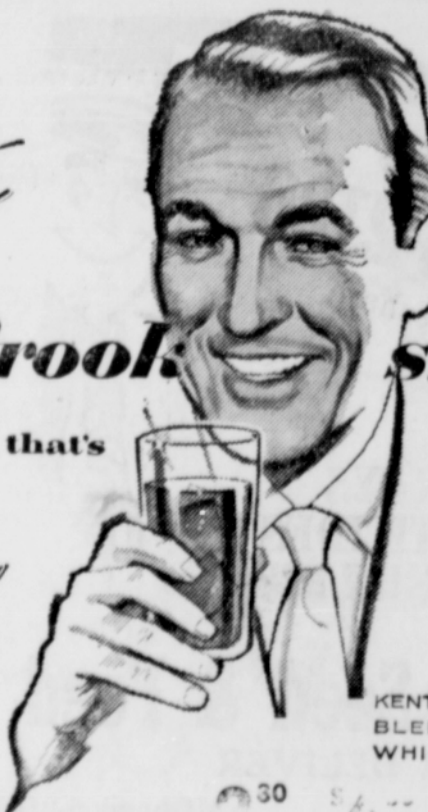
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