

Yellow Leaf, Dwarf Disease Attack Small Grain Crops

By R. M. WILLIAMS
County Agricultural Agent

The yellow leaf disease of oats appeared throughout the south-eastern United States in the spring of 1957. The young leaves of affected oat plants appear bright yellow when growth is resumed in the spring. Sometimes the tips of young leaves are green and the lower portions yellow.

Associated with this disease also is a yellow-green striping of the leaves. The leaves are green along the veins and yellow between the veins. The disease usually occurs in patches in the field, although sometimes it occurs in streaks.

This disease has been under investigation in Georgia, South Carolina, and North Carolina since 1957. The cause of the disease is not known. It seems at present, that perhaps more than one factor is involved in producing the yellow symptoms.

The disease is apparently influenced by environmental factors. It appears to be more prevalent in early planted oats and with high levels of nitrogen fertilization. There is no evidence at present that the disease is caused by a particular source of nitrogen. The Victorgrain appears to be the most

susceptible of the commonly grown varieties.

Fulgrain is almost as susceptible as Victorgrain. Arlington and Lee are much more resistant to the disease although some yellow plants may occur in these varieties.

The other disease that attacks small grain, referred to earlier as yellow dwarf, is a virus disease and is transmitted from one plant to another by an insect called the aphid. This disease causes a stunting and reduction in yield in all three crops. In North Carolina, oats are more severely affected than wheat and barley.

The leaves of infected oat plants usually turn red. The disease in oats is also called "Red leaf". In wheat and barley the leaves of infected plants usually show a yellowish discoloration. The yellowing begins at the leaf tip and progresses toward the base. The veins of the leaf frequently remain green longer than the areas between the veins.

Workers in other states and in Canada have found that a number of wild and cultivated grass species are hosts of the yellow dwarf virus. Orchard grass, tall fescue, ryegrass and some of the broom-grasses are hosts of the virus although in many cases the infected grass plants show no symptoms.

The yellow dwarf virus is not seed-borne. It cannot survive from season to season in the soil nor in dead grain straw. It can survive only in living plants or in living aphids.

Attempts to control the yellow dwarf disease by controlling the aphid with insecticides have given variable results.

While no small grain variety is known to be immune to the yellow dwarf virus, some varieties are more severely damaged than others. Field observations and greenhouse inoculations in the seedling stage indicate that Arlington is the most resistant of our commonly grown oat varieties.

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Special Notices

CARD OF THANKS

My sincere thanks to personnel at the Morehead City hospital, doctors, and all who sent flowers, cards, food and expressions of sympathy during the illness and death of my mother, Mrs. Idelle Dempsey. Mrs. Joe Rose Jr. f26p

CARD OF THANKS

The family of George Cornelius Norman wishes to express their deepest appreciation for many kindnesses shown during his recent illness and death. f26p

CARD OF THANKS

We express our sincere appreciation to those who sent cards, flowers, and food during our recent bereavement. Family of Mrs. Lula P. Ricks. f26p

Legal Notices

NOTICE OF ADMINISTRATION
Having qualified as administrator c.t.a. of the estate of Alida L. Woodland, late of Carteret County, the undersigned hereby notifies all persons having claims against the estate to present them to him at his office in Morehead City, North Carolina, on or before February 26, 1960, or this notice will be pleaded in bar of their recovery. Any persons indebted to the estate will please make prompt payment. This February 25, 1960.
Gordon Willis
Administrator c.t.a.
f26 m4-11-18-25 a1

Old Friends Reunited Through News Picture

Atlantic City, N. J. (AP)—Anthony R. Mazullo was looking through the Atlantic City Press when he saw a photo of a man and his wife celebrating their 50th wedding anniversary. The man looked vaguely familiar.

A phone call confirmed Mazullo's suspicions. He and the man in the photo, Michael Alaise, had been childhood friends in Philadelphia but had not seen or talked to each other in 80 years.

Negro News

The Rev. J. W. Barrett of Aurora will preach at St. Mary's Holiness Church, Morehead City, tonight at 8. The public is invited.

Birth at Morehead City Hospital:
To Mr. and Mrs. Pete Davis, Beaufort, twin daughters, Monday, Feb. 22.

Morehead City Hospital Admitted: Saturday, Mrs. Maggie Craft, Stella.

Sunday, Master Rex Greene, Morehead City.

Monday, Mrs. Rebecca Davis, Beaufort.

Discharged: Sunday, Miss Jean Sutton, Newport.

Tuesday, Mr. Dan Smith, Mrs. Betty Nolen and son, Beaufort; Mrs. Maggie Craft, Stella.

The stewards and stewardesses of Purvis Chapel A.M.E. Zion Church of Beaufort met Sunday afternoon at the home of Miss Hester Jordan. Devotions were led by the president, Mrs. Mamie Oden, assisted by Mrs. Annie Henderson.

The meeting was a prayer and spiritual hour. Visitors were the Parkers and the Rev. Wilson Johnson.

The hostess served hot chocolate and cookies. The next meeting will be at the home of Mrs. Inez Peterson March 19.

The Jolly Makers Club met at the home of Mrs. Effie Jones this week. Mrs. Melinda Jones, mother of the hostess, led the devotions, after which the president, Mrs. Sarah Petteway, presided over the business session.

Mrs. Petteway won the prize for the Bible quiz. Next week's question will be, "In what chapter and verse of the Bible does it tell that cucumbers were found in the land of Egypt?"

Present were Mrs. Mary Anderson, Mrs. Flora Gordon, Mrs. Louise Nolen, Mrs. Rosa L. Hyman, Mrs. Mattie Pickett, Mrs. Gertie Vann, Mrs. Henrietta Hargett, Mrs. Evanna Jones and Mrs. Estelle Hazel.

The hostess served fried chicken, potato salad, hot rolls, spiced rice, punch and candy. The next meeting will be at the home of Mrs. Lula Mae Ellison.

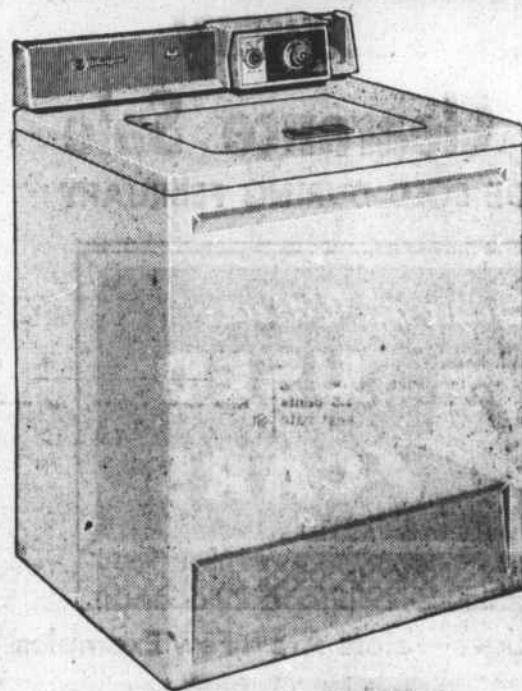
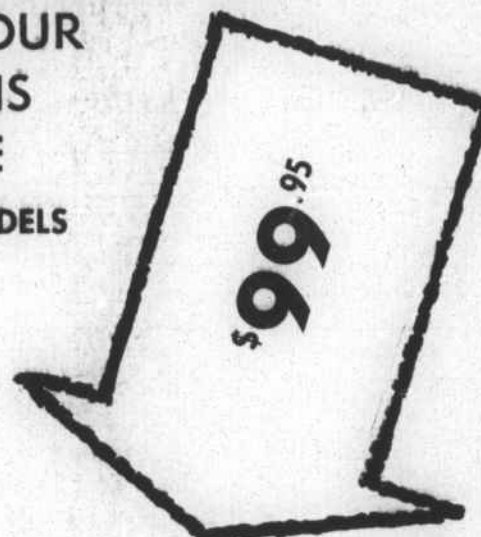
Miss Parker L. Tillery of Durham spent her vacation with her parents, Mr. and Mrs. John R. Tillery. Another daughter of the Tillerys, Miss Althea Tillery of Kinston, spent the weekend at home.

The Rev. W. W. Warren, Mansfield Methodist church, and his choir, will conduct the service in St. Mary's Holiness church at 8 o'clock Sunday night. Everyone is invited.

LUCKY BUYS IN APPLIANCES

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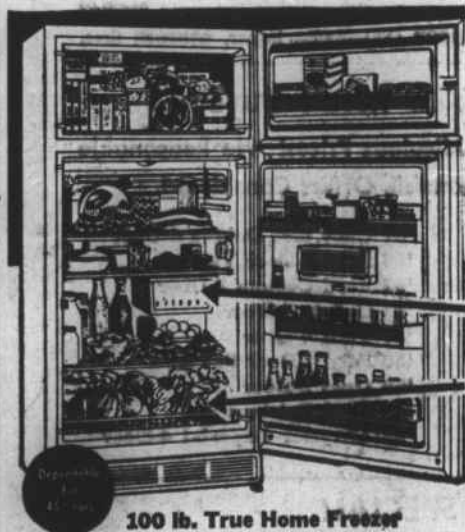
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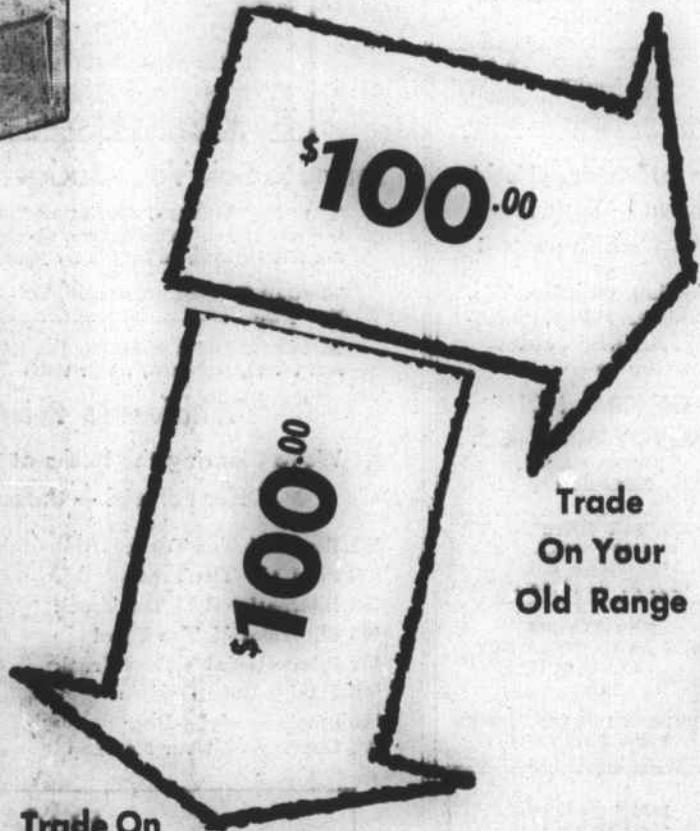
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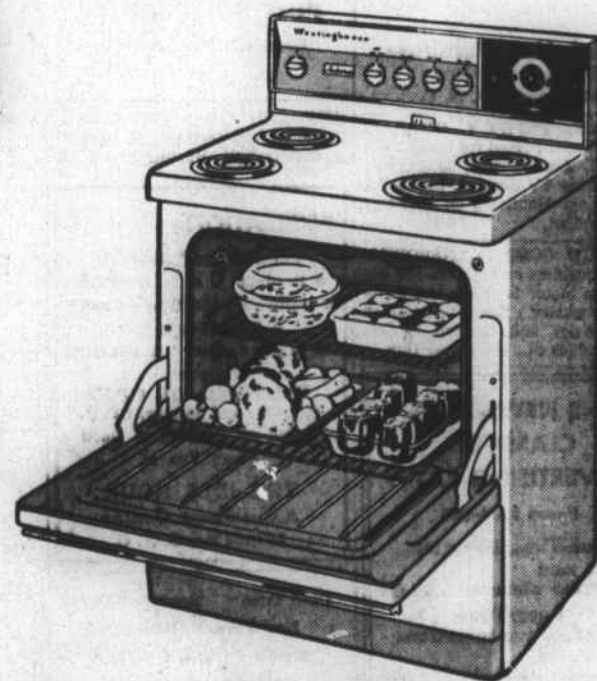


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