

Tobacco Disease Resistance Comes From 60 Species

Bred-in resistance to the many virus, bacterial and fungus diseases which affect tobacco is the most feasible protection for the health of North Carolina's number one agricultural commodity. During the early years of its culture, this 340-year-old commercial crop had to be shifted constantly to fresh land and even from region to region.

Dr. E. E. Clayton, USDA tobacco pathologist who helped develop many of the disease resistant varieties planted in North Carolina while working with the N. C. Agricultural Experiment Station, says that the present commercial tobaccos are too susceptible to disease such as black root, rot, wildfire, blue mold, bacterial wilt, black shank, foot knot and mosaic. However, he adds, scientists in recent years have made great advances in breeding resistant varieties.

Discussing the difficulties in breeding multi-resistant and otherwise desirable commercial strains (which has led to a growing conviction that better resistance cannot be found this way), Clayton outlines the numerous in the so-called wild tobaccos, about 60 in all, growing in different parts of the world. He says different species are resistant to different diseases, and calls attention to new tobacco creations by Federal and State research men. These developments have advanced production of commercial



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varieties resistant to mosaic, a free of wild characteristics that previously has persisted in trailing along with desired characteristics. Apparently it will not be long according to Clayton, when cultivated tobaccos will have added resistance, or even immunity to disease from wild tobaccos long thought to be of no practical use. There is now a refinement in these crossings and backcrossings that makes possible a sifting out of undesirable genes until there results a remade commercial type changed only as to resistance to a particular disease.

Processors are unlikely to contract for larger acreages of vegetables than in 1952. Stocks of canned vegetables are generally adequate and those of frozen vegetables are large.

The outlook for the rest of 1953, according to the USDA,

points to little change in the over all economic situation of farmers.

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LEGALS
NOTICE TO CREDITORS
Having qualified as administrator of the estate of Sam Swan, deceased, late of Hoke County, this is to notify all persons having claims against said estate to present them to the undersigned at his home on or before the 23rd day of April 1954, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.
This the 23rd day of April, 1953.
A. V. Sanders, Administrator. 47-52C

NOTICE TO CREDITORS
Having qualified as executors of the estate of Marshall Newton, deceased, late of Hoke County, this is to notify all persons having claims against said estate to present them to the undersigned on or before the 16th of April, 1954, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment.
This the 16th day of April, 1953.
Mrs. Cleva M. Newton and Glenn M. Newton, Executors. 46-51c

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