

Healthy Ancestor Make Healy Plants Tobacco's Best Insurance

The following story was recently released by the Associated Press: Harisville, S. C., Oct. 29—A tobacco plant's best insurance against getting sick is having healthy ancestors.

If almost any one of a discouragingly large number of tobacco diseases gets loose in a field, the farmer usually might as well wave his prospective profits good-bye.

Federal, state and private tobacco researchers are in the thick of the never-ending fight against these plant diseases, which cost flue-cured growers from \$75,000,000 to \$100,000,000 annually.

They believe selective breeding of disease-resistant strains is one of the most effective weapons at their command.

Some of the most important plant-breeding work is being done at Coker's Pedigreed Seed company's experimental farms near here.

Seed breeders, usually kept on the defensive, have done little more than hold the line against annual losses of about 15 per cent. Their research gains have been canceled by the spread-of diseases to other areas.

This loss could be cut considerably, researchers say, if more growers use disease-resistant tobacco.

Among the worst diseases are meadow nematode, which causes brown root rot, and the root knot nematodes. The nematode is a tiny worm-like organism that settles in the roots. It reduces yield and quality, and sometimes kills the plant.

Other dangerous, but comparatively rare, enemies are Granville wilt, caused by a bacteria, and fusarium wilt, caused by a fungus. Both have been localized, but year by year appear in new sections.

Another localized but deadly disease is black shank. It has spread from North Carolina and now is found in parts of Dillon and Darlington counties of South Carolina. It is another fungus disease.

All these diseases are soilborne. There is also the deadly mosaic virus, which is carried over from season to season on infected plant parts and from plant to plant in the field by insects and workers.

And, as if this collection of ailments weren't enough, tobacco plants also are attacked by sore shin and stem rot, which makes plants topple over; black root rot, just what the name implies, backfire and wildfire, which spot the leaves; hollow stalk, which decays the pith of the stalk; frog-eye, causing yellow spots and killing some leaves; ring spot, bringing discolored spots to the leaves; and other

less serious diseases. The average farmer does all he can to avoid planting in disease-bearing soil. But the Coker research deliberately selects these soils and plant other susceptible crops to increase the infestation. Within these plots plants are selected and bagged to prevent cross pollination. The plants are studied closely. Croppings are taken from selected plants and cured to determine texture, quality and other characteristics.

The breeders then select around 1800 of the best plants for use in next year's breeding plots.

Seed from these plants are planted in the nurseries for continued inbreeding, re-selection and study.

\$30,000 TOWN OF FAISON, NORTH CAROLINA WATER AND SEWER BONDS

Sealed bids will be received until 11:00 o'clock, a.m., November 22, 1949, by the undersigned at its office in the City of Raleigh, N. C., for \$30,000 Water and Sewer Bonds (consolidation of \$23,000 Water Bonds and \$7,000 Sanitary Sewer Bonds) of the Town of Faison, North Carolina, dated December 1, 1949, and maturing annually, June 1, \$1,000 1951 to 1964 and \$2,000 1956 to 1972, all inclusive, with option of prior payment.

Denomination \$1,000; principal and semi-annual interest (J and D1), payable in New York City in legal tender; general obligations; unlimited tax; coupon bonds registerable as to principal alone; delivery on or about December 13, 1949, at place of purchaser's choice. There will be no auction.

Bidders are requested to name the interest rate or rates, not exceeding 6% per annum, in multiples of 1/4 of 1%. Each bid may name one rate for part of the bonds (having the earliest maturities), and another rate or rates for the balance, but no bid may name more than four rates, and each bidder must specify in his bid the amount of bonds of each rate. Each rate bid must be for bonds of consecutive maturities. The bonds will be awarded to the bidder offering to purchase the bonds at the lowest interest cost to the Town, such cost to be determined by deducting the total amount of the premium bid from the aggregate amount of interest upon all of the bonds until their respective maturities. No bid of less than par and accrued interest will be entertained.

Each bid must be on a form to be furnished with additional information by the undersigned, enclosed

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Car Crash Kills Past National Chaplain Of Legion

Rochester, N. Y.—The Rev. Father George F. Kettell, 62, pastor of the Old St. Mary's Catholic Church here and a past national chaplain of the American Legion was killed instantly in an auto crash here. National Commander George N. Craig designated National Chaplain E. J. Carney of Lawrence, Mass., to represent the Legion at the funeral services.

The accident occurred when Father Kettell was driving home alone after visiting a friend. An unidentified speeding driver who did not stop forced Father Kettell to swerve on a sidewalk to avoid a collision. His car careened into a lot and struck a wall. He was dead when police arrived.

Father Kettell was a native of St. Catherine's, Ontario. He volunteered as an Army Chaplain for World War I service on March 20, 1918. He served with the 72nd and 307th Field Artillery at home and overseas. Following his return he joined the Yerkes-Couchman Post 99 of The American Legion here and was permanent chaplain of his post. He was department chaplain in 1928-29 and served as national chaplain during 1929-30.

LOCAL GOVERNMENT COMMISSION By: W. E. Easterling, Secretary of the Commission.

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Armistice Day



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