

● **Tobacco Seed**

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ground portion of the stems are black and dead.

Black Shank does not threaten to become a real serious danger to county growers, Engle said, because rotations will keep it in check. However, he said, it spreads very rapidly the second year if tobacco goes back in an infected field.

Engle told growers research has shown that tobacco farmers are probably wasting money on high priced sulfate forms of potassium fertilizers on many county farms.

The chloride forms of Potassium fertilizer will cause poor burn quality in tobacco and for this reason the more expensive sulfate form must be used in tobacco fertilizer.

He said soil tests show that a large majority of county farms have extremely high levels of potassium already in the soil. To add more potassium than the tobacco plants can use is just wasting money, he said.

On the other hand, most county tobacco growers could apply more Nitrogen economically, he said.

While the Pennsylvania State University was formerly recommending a 1-2-3 ratio for tobacco, it is now suggesting a 1-1-1 ratio for soils which have a large potash reserve—as shown by a soil test.

He said rates up to 150 pounds of actual Nitrogen per acre have not produced undesirable quality tobacco. Higher rates of Nitrogen tend to produce larger, but thinner leaves with no damage to the burn.

Engle said growers can count on about 5 pounds of Ni-

trogen from each ton of manure the first year. Thus, if ten tons were spread on each acre, 50 pounds of nitrogen would be available for the crop.

The addition of as much as 500 to 800 pounds of 10-10-10 fertilizer could be added profitably on soils that are not already extremely high in fertility.

To protect seed from seed-bred diseases, Engle told the farmers. All seed not known to be free of wild fire should be treated with a 1:1000 silver nitrate solution.

Select seed from your best plants. Remove particles of husks, stems and light seed by passing the seed through

an air stream.

Either have the druggist mix a 1:1000 solution or make your own by mixing 2 1/2 ozs. of 5% silver nitrate solution with 4 quarts of distilled water. Silver nitrate is a deadly poison, use with caution.

Treat in earthenware, glass or wooden container. Soak the seed for 15 minutes, rinse and dry promptly and thoroughly if the seed is to be stored. Use a fresh silver nitrate solution for treating each lot of seed, Engle said.

Three seed treating demonstrations were held Tuesday by the county extension service.

The first woman publisher was Elizabeth Timothy, who published the South Carolina Gazette in 1739.

● **Manor FFA**

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Herr, Millersville R1. He is also treasurer of the Lancaster County FFA chapter.

Secretary, Jerry Breneman, Lancaster R2, the son of Mr and Mrs Martin Breneman.

Treasurer, Carson Kaufman, Willow Street R1, son of Mr. and Mrs. Ralph Kauffman.

Reporter, Lehman Metzler, Holtwood R1, son of Mr and Mrs C R Metzler.

Chaplain, John Groff, Lancaster R6, son of Mr and Mrs Elias Groff.

Sentinel, Roger Weaver, Millersville, son of Mr and Mrs Arthur Weaver.

County PFA delegate, Jay Mylin, Willow Street R1, son of Mr and Mrs Raymond Mylin.

Advisors of the chapter are Howard Siglin and Garland Gingerich.

● **Public Speaking**

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What the farmer needs to know about Fallout, was in third place.

All three winners are in the 11th grade at Penn Manor High School. The following three ninth grade boys also competed: Deane Funk, Washington Boro R1; Glenn Miller, Conestoga R1; Robert Muehl-ing, 500 Millersville Road, Lancaster.

Judges for the contest were Mrs. Harry Gerlach of the English Department and Howard Siglin of the Agriculture Department at the high school.

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