

region. The forestry tract of fourteen thousand acres provides the basis for forest management studies which should eventually prove of great importance to large landowners in the more rugged sections of the state. This tract has been surveyed and an estimate made of the present timber supply. In general, it is well stocked with young timber, with certain plantings contemplated for land not naturally seeded, and it is in good condition to become a productive property, provided fires can be controlled and prevented.

Frenching of Tobacco. Frenched tobacco plants have been produced experimentally in the greenhouse at will. Tobacco plants appear to french when terminal growth proceeds more rapidly than the necessary nitrogen intake from the soil. Turkish tobacco plants have been used almost exclusively in these studies. Frenched plants rapidly recover normal color when readily available sources of nitrogen are added to the soil. In pot cultures, the disease has been produced in virgin soil high in organic matter, old cultivated soil low in organic matter and in sand cultures. There appears to be a very direct application of the results obtained to obscure diseases of other crops, as pecan and apple rosette and the accompanying die-back conditions.

Tobacco Mosaic. Certain brands of cigarettes, granulated smoking tobaccos and plug chewing tobaccos have been found to carry the mosaic virus in an active state. This may explain the sporadic appearance of tomato mosaic in commercial and experimental greenhouses where infection is often very difficult to explain. Old samples of ground or leaf tobacco, ranging in age from five to thirty-one years, have given positive results when a water decoction has been rubbed on healthy tobacco plants. At the Western Kentucky Substation, tobacco set by men using infected chewing tobacco developed a high percent of mosaic, while check rows set after washing the hands developed a low percentage. The mosaic in the check rows may have resulted from spread from the other rows, as two other large plantings, set while the men were not using tobacco and after washing their hands, were free from