IV. PRELIMINARY OBSERVATION ON THE ROOT DEVELOPMENT OF COTTON, TOBACCO AND PEANUT

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Tobacco, cotton and peanuts were grown on an open sandy loam and a "tight" clay soil during the summer of 1925. The root development was observed during the growth and at the maturity of the plants. Tobacco was found to have many strong roots penetrating deeply and spreading widely. It had no strong tap root. This was perhaps a result of transplanting. Peanuts and cotton had slender yellow roots. Their root systems were less extensive than the root systems of tobacco.

The root systems showed a marked response to the soil conditions in variations in depth, spread, and branching.