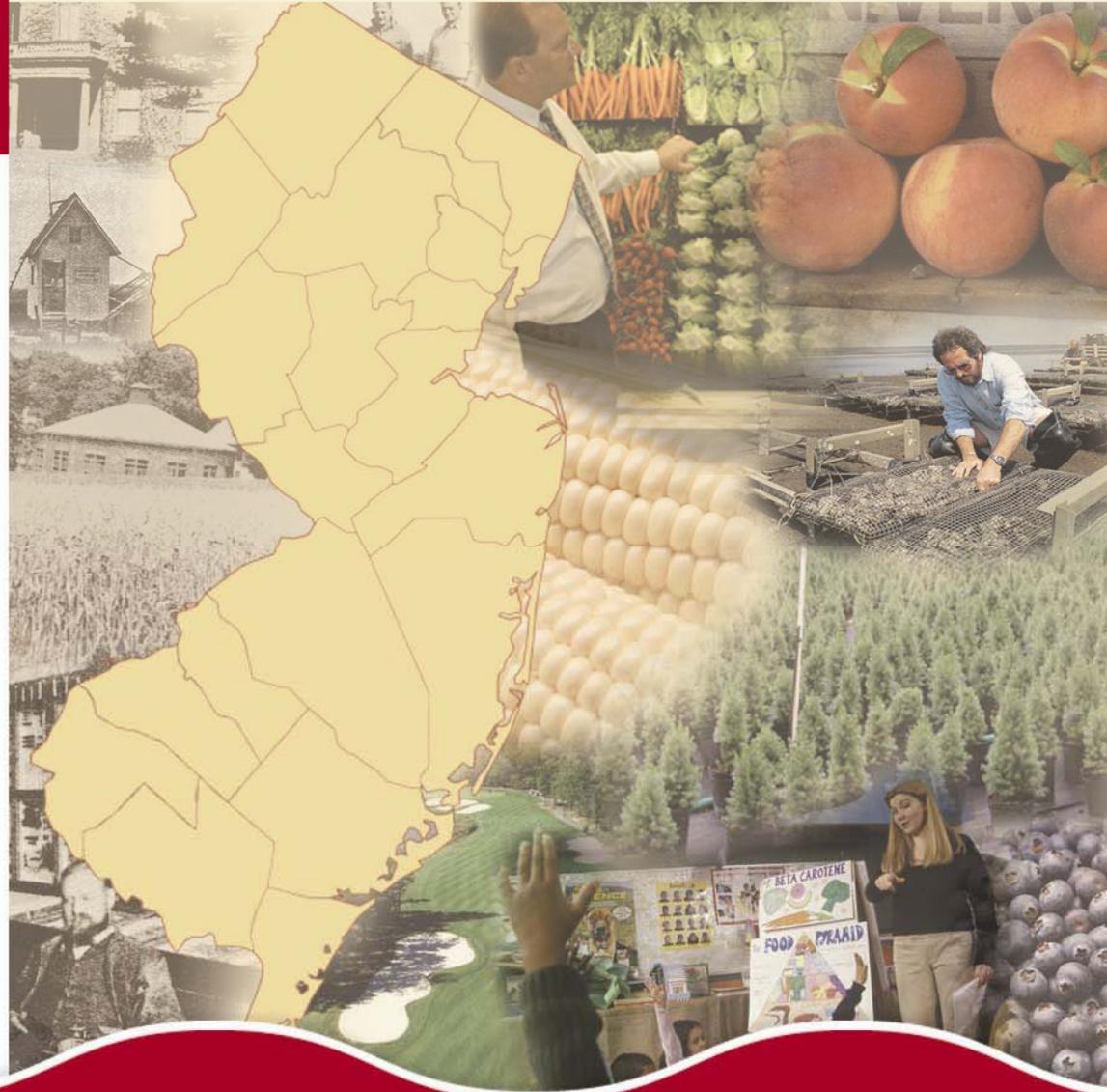




NJ AGRICULTURAL EXPERIMENT STATION
RUTGERS
COOPERATIVE RESEARCH & EXTENSION

Soil Properties and Land Use in New Jersey: NRCS-NJ sponsored research at Rutgers



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Soils represented

- Coastal Plain
 - Freehold, Sassafras
- Piedmont
 - Quakertown



Soil Sampling Map Location
Golden Pheasant Golf Course
Burlington County, New Jersey



Land uses

- Agriculture
- Urban/Suburban
- Undisturbed (!? In NJ?!)

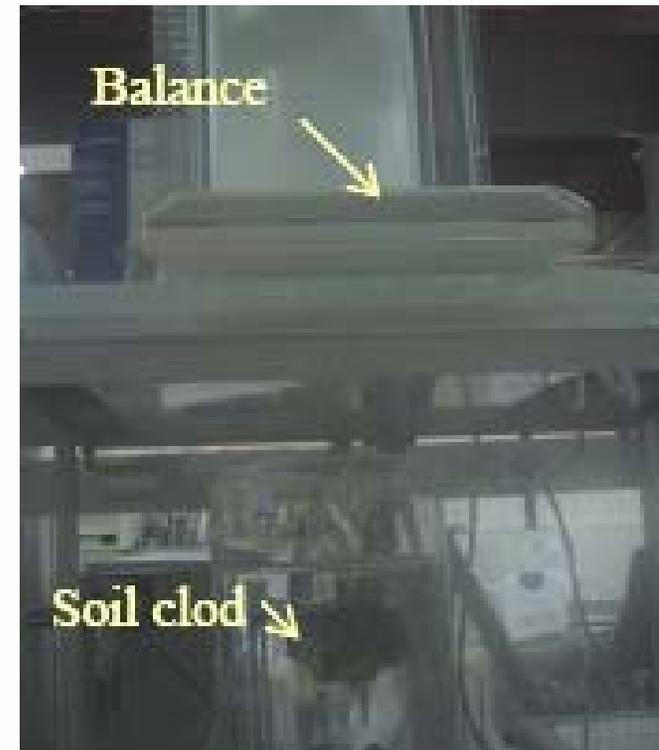
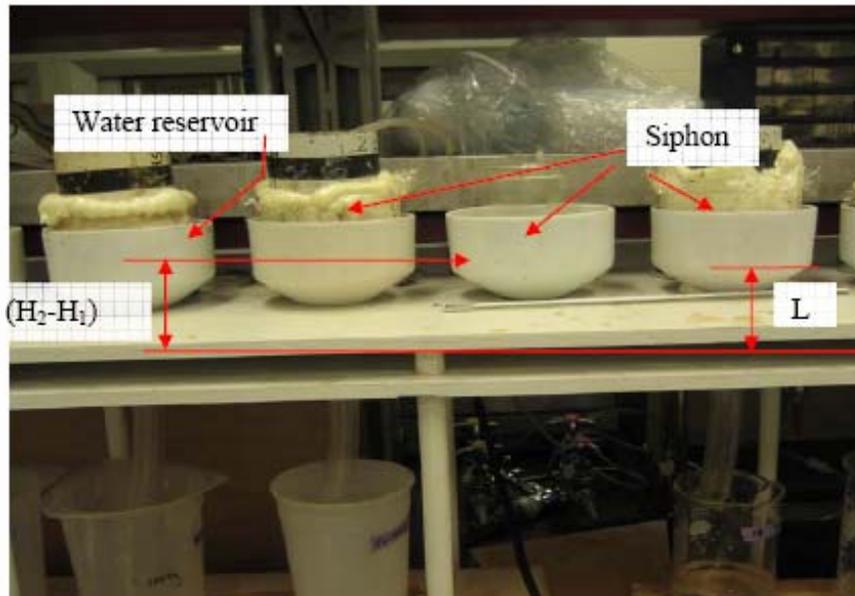


Properties

- Soil Testing Lab
 - pH, nutrient levels, organic matter content, sand/silt/clay percentages, TKN, Inorganic N
- Soil Physics Lab
 - Water retention/release, bulk density, saturated hydraulic conductivity

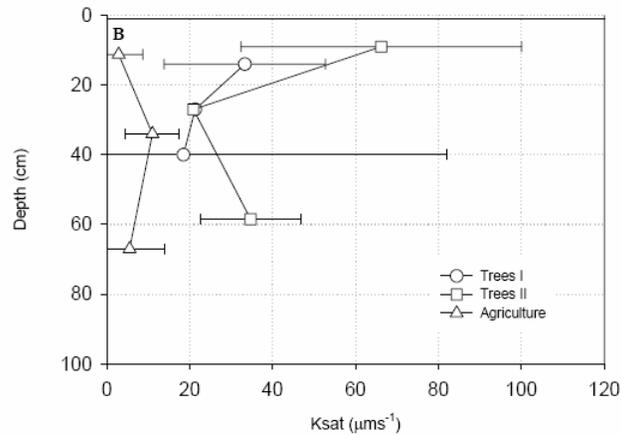
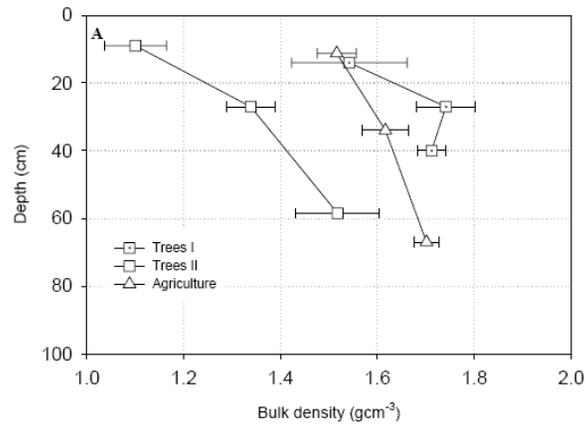


Physical Analysis

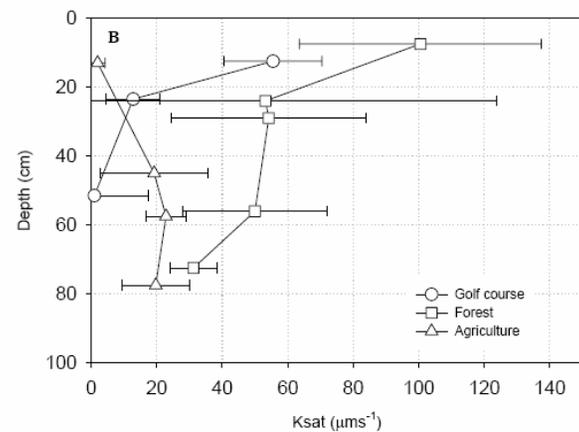
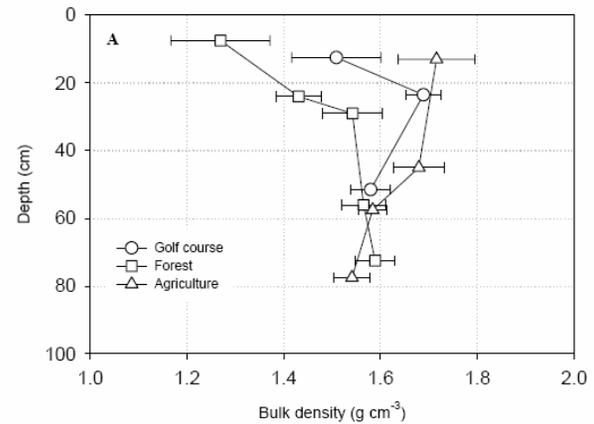


Selected Results

Quakertown



Freehold



Continuing Work

- Demonstration plots to showcase recommended practices and document soil quality changes
- Encourage use of abundant manure compost to improve soil organic matter