

**NECC-1312 Annual State Report For Connecticut**

Reported July 2016 for period: Calendar 2015

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**Lab personnel FTE's:** 2 + ½ Special Payroll (11 months) + Student Labor

**Extractant(s):** Modified Morgan for mineral soils, water for SME for greenhouse soils,

**Instrumentation:** Spectro Ciros Vision ICP, Unity Westco Smart Chem 170 Discrete Analyze for ortho-phosphate and nitrogen-nitrogen, nitrate electrode for tissue NO<sub>3</sub>-N (Cornstalks), Elementar VarioMax

**Cost for routine test:** \$12

**Routine test includes:** pH, Ca, Mg, K, P, Mn, Cu, Zn, Fe, Al, B, estimated total lead, estimated CEC, % BS & modified Mehlich buffer pH.

**Sample Summary:**

Category	Soil	SME	Plant
<b>Total Samples</b>	8554	158	1134
<b>Commercial MM</b>	918		
<b>Homeowner MM</b>	4578		
<b>Dept Research MM</b>	342		
<b>Nitrate/PSNT</b>	1075		
<b>Teaching</b>			
<b>Misc – OM, Tex, SS, pH</b>	1619		
<b>Cornstalk NO<sub>3</sub></b>			334
<b>Total N – Elementar</b>	22		389
<b>ICP Plant Tissue</b>			411

**Summary of Research:**

Soil and tissue testing for N in turf. Spatial variation of soil chemical and biological tests on manured fields. Leaching of P where compost applied to turf.

**Other/News:**

Soil sample numbers down but price went up so revenue about the same. Cold spring.

Master Composter program offered in October 2017

Still working out a few kinks in new Access soil test recommendation program.

Purchased a new muffle furnace with 3 shelves.