North Carolina Department of Agriculture and Consumer Services

Agronomic Services Division

addressing nutrient management needs

to sustain crop production
to increase farm profitability
to protect the environment

Soil Testing
- measures soil acidity
- measures levels of plant-available nutrients in the soil
- provides site- and crop-specific lime and fertilizer recommendations

Nematode Assay
- identifies plant-parasitic nematodes present in soil (and occasionally in plant tissue)
- estimates population size and its potential hazard to a crop
- provides recommendations for optimum pest management

Plant/Waste/Solution/Media
- measures nutrient content within plant tissue; waste products, including composted materials for use as organic soil amendments and fertilizer; nutrient solutions; and soilless growth media for container stock
- assesses suitability of water sources, nutrient solutions and soilless growth media for agricultural uses

Field Services
- provides advice on how to collect and submit samples
- helps growers interpret reports and implement recommendations
- provides on-site consultation related to nutrient issues
Benefits of Agronomic Services

- provides accurate site- and crop-specific nutrient recommendations based on field tests
- improves potential for crop productivity and profitability through responsible land management
- reduces crop loss due to nematodes and helps ensure that pesticides are used only when necessary
- quantifies the nutrient content of land-applied waste, thereby promoting responsible use of these products and protecting soil productivity, surface water and groundwater quality, food safety and human health
- analyzes nutrient content of plant tissue samples to identify nutrient problems and offer advice for appropriate corrective measures
- assesses suitability of water sources for irrigation, aquaculture, or use in pesticide or nutrient solutions
- conducts training related to improved nutrient management practices
- promotes grower transition to new crops/enterprises by providing critical nutrient management information

For more information, contact

NCDA&CS Agronomic Division
Phone: (919) 733-2655

Mailing Address
1040 Mail Service Center
Raleigh NC 27699-1040

Physical Address
4300 Reedy Creek Road
Raleigh NC 27607-6465

or visit our Web site

www.ncagr.gov/agronomi

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Colleen M. Hudak-Wise,
Agronomic Division Director

N.C. Department of Agriculture
and Consumer Services

Steve Troxler, Commissioner of Agriculture