

Research

North Carolina Cotton Producers Association Research & Extension Proposals 2010 Amount

Requested 2010 Amount

Funded 2011 Amount

Requested Source of

Funds RENEWAL PROPOSALS: BIOLOGICAL & AGRICULTURAL ENGINEERING

- Precision Agriculture for Cotton Production in North Carolina
G.T. Roberson (Extension)
\$7,500 \$7,500 CI State Support CROP SCIENCE
- Production of 2010 Cotton Information, AG-417
K.L. Edmisten (Extension) \$5,000 \$5,000 CI State Support • Redefining Plant Growth Regulator Strategies for Roundup Ready Flex Cotton
- K.L. Edmisten (Extension) \$21,900 \$21,900 CI State Support • Measuring Petiole P and K to Interpret Petiole Nitrate Results
- K.L. Edmisten (Extension) \$21,900 \$21,900 CI State Support • The Effects Defoliation Timing in Flex versus Roundup Ready Cotton Systems in Terms of Maturity Dates, and Regrowth Potential
- K.L. Edmisten (Extension) \$21,900 \$21,900 CI State Support • Legume Cover Crops in Cotton
- K.L. Edmisten (Extension) \$21,900 \$21,900 CI State Support • Breeding Cotton Varieties for North Carolina
V. Kuraparthy and D.T. Bowman (Research)
\$23,700 \$15,000 \$22,000 CI State Support ENTOMOLOGY
- Evaluation of Various Stink Bug Thresholds and a Practical Field Scouting Template to More Effectively Manage Stink Bugs in North Carolina
J.S. Bacheler and D.D. Reisig (Extension)
\$11,400 \$11,400 CI State Support PLANT PATHOLOGY
- Evaluation of Cover Crops for Management of Plant Parasitic Nematodes in Cotton Production Systems
S.R. Koenning and K.L. Edmisten (Research) \$16,000 \$16,000 CI State Support • Effect of Soil Texture on the Damage Caused to Cotton by the Reniform Nematode
S.R. Koenning (Research) \$26,335 \$28,700 CI State Support • Evaluation of Tillage and Cover Crops for Management of Columbia lance and Root-knot Nematodes in Cotton
S.R. Koenning and K.L. Edmisten (Research)
\$13,000 \$13,000 \$15,000 CI State Support SOIL SCIENCE
- Verification of Poultry Manure Nutrient Availability Coefficients in Conventional and No-till Production
C.R. Crozier, T.J. Smyth, D.L. Osmond, and A.D. Meijer (Research) \$11,850 \$11,850 CI State Support • Optimum Ripping Depth for Coastal Plain Soils
A.D. Meijer (Research) \$5,500 \$5,500 CI State Support TOTAL RENEWAL PROPOSALS: \$207,885 \$210,550 \$37,000
- NEW PROPOSALS: BIOLOGICAL & AGRICULTURAL ENGINEERING
- Cultural Management of Cotton to Minimize the Impact of Herbicide Resistant Palmer Amaranth
M.W. Veal (Extension) \$22,750 \$22,750 CI State Support • Assessment of Cotton Production and Gin Residues for Thermal Energy Production
M.W. Veal (Extension)
- CROP SCIENCE \$2,400 \$2,400 CI State Support • Herbicide Resistance Management in Cotton
D.L. Jordan and A.C. York (Research) \$23,160 \$23,160 \$23,160 CI State Support