

**RESPONSE OF COTTON TO APPLICATIONS OF
MESSENGER - FIRST YEAR RESULTS**

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Abstract

A replicated small plot field trial to measure the response of cotton, *Gossypium hirsutum* L., to applications of Messenger, harpin, was conducted during the 2000 growing season near Inverness, MS. Applications of 2.23 ounces of Messenger were made at various combinations of 3 leaf, pinhead square, 2 weeks after pinhead square, first bloom and 3 weeks after first bloom timings. No differences were observed in percentage of nitrogen, phosphorus and potassium in the leaves at mid-bloom. Measurements of plant growth, fruiting positions, fiber characteristics, lint yield and population levels of reniform nematodes, *Rotylenchulus reniformis*, produced variable results. Extreme heat and drought may have masked the full effects of Messenger.