II. BIOLOGICAL CONTROL OF FOLIAR DISEASES OF WHEAT WITH AND WITHOUT A REDUCED RATE OF FUNGICIDE (WHEAT206 - Tidewater AREC Research Farm, Suffolk)

A. PURPOSE: To compare the efficacy of a biological agent to a reduced rate of fungicide for foliar disease control in wheat

B. EXPERIMENTAL DESIGN:
   1. Five randomized complete blocks with 10-ft alleys between blocks
   2. Plots 12 ft wide and 30 ft long with 6.67-in. row spacing
   3. Data collected from the center, 7 rows/plot

C. APPLICATION OF TREATMENTS: Treatments were applied with a Lee Spider Sprayer having 8002VS nozzles spaced 18 in. apart and delivering 16.5 gal/A.

D. TREATMENTS: All treatments were applied at GS 45 (14 Apr) and GS 50 (20 Apr)
   1. Untreated
   2. QRD 288 Ballad 2 qt/A + QRD 602 Biotune (0.2% v/v)
   3. QRD 288 Ballad 2 qt/A + QRD 602 Biotune (0.2% v/v) + Headline 250EC 2 fl oz/A
   4. Headline 250EC 2 fl oz/A

E. ADDITIONAL INFORMATION:
   1. Location: Tidewater AREC Research Farm, Hare Road, Suffolk
   2. Crop history: Peanut 2005; wheat/soybean 2004; peanut 2003
   3. Soil fertility report (Dec. 2005)

pH	6.4
Ca	302 ppm
Mg	43 ppm
P	33 ppm
K	51 ppm
Zn	0.4 ppm
Mn	1.8 ppm
Soil type	Kenansville loamy sand

   4. Planting date and cultivar: 14 Nov 2005, Coker 9803
   5. Fertilizer: 9-16-31 350 lb/A (4 Nov 2005)
      Liquid nitrogen (32%) 60 lb/A (28 Jan, 31 Mar)
   6. Herbicide: Harmony Extra 0.75 oz/A (28 Jan)
   7. Harvest date: 19 Jun 2006