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PROJECT 1 ABSTRACT
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Uniform fungicide treatment trials for fusarium head blight (FHB) control will be established in spring wheat / barley regions and in winter wheat regions of the United States, including Virginia. The establishment of a core set of treatments across a number of states allows evaluation of products and methods for consistency in performance across a wide number of environments and across grain types affected by FHB. Also, because FHB does not occur every year in every location, regardless of attempts to ensure infection through added inoculum or misting systems, having trials across environments increases the chance of favorable disease levels for evaluation across multiple sites. One strobilurin fungicide, Quadris 2.08 SC, recently received federal registration, Folicur 3.6F, was granted special exemptions for use in 1999, and one triazole fungicide, Tilt 3.6E, was granted state labels for use against FHB. Additional experimental fungicides were included in the 2002 Uniform trails, Folicur 2.6F; AMS 21619F; BAS 500F; Stratego 250E; and two biological agents, TrigoCor 1448 (a *Bacillus subtilus* isolate) and USDA, ARS Peoria (*Cryptococcus nodaensis* OH 182.9 yeast isolate). Results in locations with FHB indicated favorable control with many of the tested products. In 2003 some of the experimental products that may soon be on the market will be tested once more across environments to get additional information on their efficacy and performance consistency. In addition, treatments with these compounds will applied using spray nozzles directed at an angle towards the grain heads, to substantiate that improvements in application techniques can be made across environments.