## MANAGING COTTON ROOT-KNOT NEMATODE ON THE HIGH PLAINS OF TEXAS USING VELUM TOTAL K. T. Siders Texas A&M AgriLife Extension Service Levelland, TX

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## <u>Abstract</u>

Nematodes are an economically important plant parasitic pest of cotton throughout most of the cotton growing areas of the United States. On the Texas High Plains, the southern root-knot nematode, *Meloidogyne incognita*, is the predominant nematode species infesting cotton. In irrigated cotton where nematode populations are typically high (usually areas where sandier soils are most prevalent) many growers opt to utilize a partial nematode tolerant cotton variety since the loss of Temik 15G. The use of seed treatments for both nematodes and thrips management is also used, but effective primarily in low nematode population situations. Partially nematode tolerant cotton varieties can incur yield loss when not protected chemically by nematicides as demonstrated when Temik 15G was available. The need for additional control has encouraged the development of a more effective at-plant product. Velum Total, a nematicide/insecticide, in the process of being officially released by Bayer CropScience, did not provide any additional protection to the nematode tolerant variety Stoneville 4946GLB2, which was used in this year's study. Further examination of this product will be conducted.