Dryland Sunflower Yield and Oil Response to Residual and Fertilizer Nitrogen. (S08-vigil143759-Poster)

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Abstract:

A quantification of the nitrogen (N) recovery, N requirements, and yield response to fertilizer N of no-till dryland sunflower is needed for optimal management of this crop. In this experiment we quantify the N requirements, fertilizer recovery, and yield response of sunflowers in a no-till dryland rotation of winter wheat, corn, sunflower, fallow (WCSF)over a 7 year period. Optimal N rates were near 0 for 6 of the 7 years. In 1999, a significant response to added N was measured.

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