Dryland Winter Wheat Production Using Bed Planting Systems. (S04-raun105143-Poster)

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Abstract:

Traditionally hard red winter wheat in Oklahoma is grown under conventional tillage and planted on the flat with row spacing ranging to from 15 to 25 cm. This study was conducted to determine if planting winter wheat in Oklahoma in a bed planting system could maintain or increase yields using less area. Two experiments were initiated in the fall of 2000 at Hennessey and Perry, Oklahoma and repeated in the fall of 2001. The studies included four varieties and three nitrogen rates, replicated three times under the conventional system and the bed planted system. At both locations and crop cycles there was no significant yield differences between the planting systems. However, there were differences noted across varieties and N rates. The bed planting system shows no significant loss from the conventional system and will give producers more tillage and crop rotation options.

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