

WEED MANAGEMENT IN CONVENTIONAL AND NO-TILL WHEAT-SOYBEAN CROPPING SYSTEMS IN CENTRAL OKLAHOMA

B. S. Trusler¹, T. F. Peeper

AUTHORS: ¹Graduate Research Assistant, Oklahoma State University, Department of Plant and Soil Sciences, phone 405-744-9589, email truslec@okstate.edu.

Summary

Oklahoma wheat producers are seeking for alternative methods of controlling Italian ryegrass. Three experiments were established in Central Oklahoma to compare herbicide and grazing treatments in continuous wheat with rotating out of wheat for one growing season on I. ryegrass density in the final wheat crop of each cropping system. In the system where wheat was not grown for one year, the missed wheat crop was replaced with double-cropped soybeans followed by early season soybeans after which the final wheat crop in the system was seeded. Both cropping systems were evaluated under no-tillage and conventional tillage. The experiments were established in June 1999 following wheat harvest.