Net Returns for Soybean-Wheat Cropping Systems. (C04-keim100951-Poster)

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Abstract:

Need exits to identify rotational crops for wheat from both agronomic and economic perspectives. Alternative cropping systems of monocrop wheat, monocrop soybean and 3-crop/2-year (early-season soybean, winter wheat, doublecrop soybean in a biennial rotation) were compared to determine economic net returns. The study was conducted at Lahoma, OK. Soil type was a Grant silt loam (fine-silty, mixed, superactive, thermic Udic Argiustoll). Cultural practices used were considered as standard for the region, including conventional tillage for wheat, early-season and monocrop soybean, but no tillage for soybean planted as a doublecrop following wheat. Enterprise budgeting was used to determine revenues, costs, and net returns for cropping systems. Annualized net returns to land, labor, and management for different years ranged from -45 dollars per ha for monocrop soybean to 312 dollars per ha for the 3-crop/2-year system. Net returns for alternative cropping systems were no better than for continuous wheat. The ranges of net returns indicate the environmental variability that can be expected for crop production and associated impact on net returns.

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