

Fifteen Years of Research Examining Continuous Soybean Cultivation in Northeast China. (C03-herbert113157-Poster)

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Abstract:

This paper reviews aspects of research on continuous soybean for the last fifteen years in Northeast China. Growth and development, including changes of root nodule number and LAI are described, and reduction in yield and seed quality are discussed. The effects on physiological and biochemical processes, soil rhizosphere microbes, and soil properties are reviewed; and roles of root diseases, insect pests, and root exudates or plant residuals are discussed. Farm practices for alleviating effects on yield reduction are provided, and a diagram of the interaction among factors involved in continuous soybean yield reduction is presented.

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Presentation Information:

Presentation Date: Tuesday, November 12, 2002

Presentation Time: 4:00-6:00 pm

Poster Board Number: 1412

Keywords:

Soybean, continuous cultivation, limiting factors, yield reduction