# 明治大学　国際交流基金事業

特別講義

## Conservation Tillage: A Viable Option for Sustaining Soil Productivity in Northeast China

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生田キャンパス　中央校舎メディアホール（0608）

### 講演詳細（使用言語：英語）

The Northeast China Plain produces more than 30% of maize and about 60% soybean in China. However, due to traditional intensive tillage, soil degradation has become a serious threat to crop production and agricultural sustainability. It is estimated that over the past 50 years, about 132 mm topsoil has been lost, and SOC content has been reduced by more than 50%. Recently, conservation tillage systems, including reduced tillage and no tillage, have been introduced to reduce soil erosion, conserve soil water, and improve soil fertility. In this presentation, Dr. Ren will illustrate how long-term conservation tillage changes soil properties, crop yield, and farm income in Northeast China.

### 講師紹介　Prof. Tusheng Ren

Dr. Tusheng Ren is a Professor of Soil Physics at China Agricultural University. He got his Ph.D. from University of Alberta, Canada, in 1997. He is a fellow of Soil Science Society of America. His research focuses on quantifying soil physical properties and processes affected by agricultural practices.

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