

No-Till System: Departure from Traditional Agricultural Systems in Semiarid Morocco. (A06-mrabet062312-Oral)

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Abstract:

In Moroccan drylands, conventional and traditional agricultural systems do not provide for sustainability and food security. Thus, research since early 1980s sought to identify appropriate tillage management and cropping systems. Hence, the objectives of the presentation are to highlight research results from accumulated experimentation, to demonstrate notillage through onfarm trials, and to propose a national program for notillage adoption in Morocco. Station and experimental research showed that the notillage system can increase crop output (water use and yield) and improve soil quality through carbon sequestration and aggregate formation. Conservation tillage should be included in a national program for natural resource conservation and protection, which should promote dissemination of this technology in Morocco. Other countries of North Africa could also adopt such tillage practices.

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Presentation Information:

Presentation Date: Thursday, November 14, 2002

Presentation Time: 9:30 am

Keywords:

No-tillage System, Conservation Agriculture, Semiarid Morocco, Soil quality