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REPORT ON PROJECT CS04C:

Soil structure and physical properties as affected by tillage operations in bed systems

Introduction

The goals of this research were:

1. measure the soil stresses and deformations due to "edge of bed" operations, and measure the changes to soil physical properties (infiltration, aeration, strength) that result. This was to be pursued in collaboration with the anticipated rotation experiments led by Cooper and the structure project led by Koppi;
2. correlate the field performance of operations with soil conditions, in order to determine optimum conditions for operations;
3. transfer the conclusions via SOILPAK, the Australian Cotton Grower and Grower Conferences.