



United States
Department of
Agriculture

1902 Fox Drive
Champaign, IL
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April 20, 2001

TECHNICAL GUIDE NOTICE IL-136

Purpose: RUSLE "C" values for planning Conservation Systems for corn-soybean mixed tillage rotations for three yield levels.

Background: The Revised Universal Soil Loss Equation calculates the effects of changes in crop residue decomposition, soil roughness, and ground surface cover until they no longer impact soil loss rates. Corn and soybeans are often grown with different tillage systems. Very commonly, corn is planted using full width tillage and soybeans are no-till planted. The affects of these practices impact soil loss beyond the growing season in which they occurred. Therefore, the "C" values provided will provide for more accurate soil loss calculations. It is commonly known that yield levels impact soil erosion rates. The attached "C" values for the corn-soybean mixed tillage rotations are provided at various yield levels.

Filing Instructions:

- File "*C" Values for Split Tillage Systems*" with other RUSLE C values in FOTG, Section I-Erosion Prediction.

A handwritten signature in black ink that reads "William J. Gradle". The signature is written in a cursive, flowing style.

WILLIAM J. GRADLE
State Conservationist

Enclosures

DIST:
IL-FOTG holders
FOD Agronomists/Water Quality Specialists

Visit the Illinois NRCS website at:
<http://www.il.nrcs.usda.gov>

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