

ENERGY MANAGEMENT ENHANCEMENT

July 2005

LOWER BIG BLUE AND LOWER LITTLE BLUE WATERSHEDS IN NEBRASKA

Name: _____

STIR Ratings (Less Than 60, 30 & 15)

Payment = \$0.90 / Acre / Year for STIR rating less than 15; \$0.70 / Acre / Year for STIR rating less than 30; \$0.50 / Acre / Year for STIR rating less than 60.



Soil Tillage Intensity Rating (STIR) is a calculation based on the location of cropland and the Crop Management System that the producer employs on that land. It is an index used to evaluate the kind, severity and number of ground disturbing tillage passes on soil quality. Higher numbers indicate greater disturbance; lower numbers indicate less disturbance.

The components of STIR are: operating speed of tillage equipment, tillage type, tillage depth, and the percent of surface area disturbed. Weights are assigned to each component to calculate a rating. This rating is useful in making residue management decisions. It is one of three outputs from the Revised Universal Soil Loss Equation Version 2.0. (RUSLE2). The other outputs are a soil loss estimate and a soil organic matter trend estimate from the Soil Conditioning Index.

Documentation Required: Attach map and list each tract and field that is applicable; and complete Crop Rotations and Field Operations Information Sheets from the Nebraska Conservation Security Program (CSP) Soil and Water Quality Documentation Workbook for the entire crop rotation for each field.

Tract No.(s)	Field No.(s)	Acres in the field

