EROSION PREDICTION - _
Statewide
NE-T.G. Notice 444
Section I NE-NRCS-APRIL 1996

PROCEDURE FOR ESTIMATING SHEET AND RILL EROSION FROM WATER
USING THE NRCS TECHNICAL GUIDE AND A CALCULATOR

Client _____ Business ID _____
Tract _____ Field _____

Soil_____ Soil Loss Tolerance (T)_____ Irrigated Yes No

R - Rainfall factor _____

K - Soil erodibility factor for the soil is _____. See page 13 for K factor zone _____. See page 15 adjusted K factor =_____

L - Length of slope is _____
S - Percent of slope is _____

See LS tables:
1a Pasture/Range
1b Cropland
1c Construction Sites
LS value refer to page 16

C - Average cover management factor for rotation from table 2

	Year(s)___	Year(s)___	Year(s)___	Year(s)___	Year(s)___
Crop	_____	_____	_____	_____	_____
Previous crop	_____	_____	_____	_____	_____
Tillage/practice 1/	_____	_____	_____	_____	_____
Percent cover/tons manure	_____	_____	_____	_____	_____
C factor	_____	_____	_____	_____	_____

Rotational average C factor (total ÷ years)
_____ = _____

P - Average support practice factor for 10 year single storm EI _____. Refer to P factor section, page 20 for instructions on computing P for contouring, stripcropping, terraces, etc.

Soil Hydrologic Group A B C D

	Year(s)___	Year(s)___	Year(s)___	Year(s)___	Year(s)___
Crop(s)	_____	_____	_____	_____	_____
Cover mgt Condition, Table P1	_____	_____	_____	_____	_____
Ridge Height, Table P2	_____	_____	_____	_____	_____
Furrow Grade	_____	_____	_____	_____	_____
On-grade P Subfactor, Table P3	_____	_____	_____	_____	_____
Adjust furrow Grade, Table P4	_____	_____	_____	_____	_____
Adjust for slope length	_____	_____	_____	_____	_____
Terrace/stripcropping subfactor	X_____	X_____	X_____	X_____	X_____

P factor for crop(s) =_____ =_____ =_____ =_____ =_____

Rotational average P factor (total ÷ years)
_____ = _____

A - Sheet & Rill erosion from water is RxKx(LS)xCxP = T/A/Yr.

1/ Tillage System Types: Planting System Types:
ST = Spring Mulch Tillage NONE = Tillage not allowed NT = No Till
FT = Fall Mulch Tillage SP = Spring Plow STP = Strip Till (Till-Plant)
MT = Mulch Tillage FP = Fall Plow RT = Ridge Till