TABLE 5.

REVISED UNIVERSAL SOIL LOSS EQUATION (RUSLE)

EAST TENNESSEE CONVENTIONAL C-FACTORS

C-FACTOR ZONES 109 AND 110

File Code	Crop Sequence	C-Factor
ECTOB	CONT. TOBACCO	.501
ECTOBWC	CONT. TOBACCO W/WC	.295
1TBEC1GR	1 YEAR TOB, 1 YEAR MEADOW	.125
1TBEC2GR	1 YEAR TOB, 2 YEARS MEADOW	.056
1TBEC3GR	1 YEAR TOB W/WC, 3 YEARS MEADOW	.042
2TBEC2GR	2 YEARS TOB W/WC, 2 YEARS MEADOW	.113
2TBEC3GR	2 YEARS TOB W/WC, 3 YEARS MEADOW	.090
2TBEC4GR	2 YEARS TOB W/WC, 4 YEARS MEADOW	.075
2TBEC5GR	2 YEARS TOB W/WC, 5 YEARS MEADOW	.064
2TBEC6GR	2 YEARS TOB W/WC, 6 YEARS MEADOW	.057
3TBEC3GR	3 YEARS TOB W/WC, 3 YEARS MEADOW	.124
3TBEC4GR	3 YEARS TOB W/WC, 4 YEARS MEADOW	.106

FOLLOWING TOBACCO C-FACTORS ARE BASED ON FALL PLOWING AFTER LAST YEAR OF SOD:

FE1TB2GR	1 YEAR TOB, 2 YEARS MEADOW	.079
FE1TB3GR	1 YEAR TOB, 3 YEARS MEADOW	.059
FE2TB2GR	2 YEARS TOB W/WC, 2 YEARS MEADOW	.132
FE2TB3GR	2 YEARS TOB W/WC, 3 YEARS MEADOW	.105
FE2TB4GR	2 YEARS TOB W/WC, 4 YEARS MEADOW	.088
FE2TB5GR	2 YEARS TOB W/WC, 5 YEARS MEADOW	.075
FE2TB6GR	2 YEARS TOB W/WC, 6 YEARS MEADOW	.066
FE3TB3GR	3 YEARS TOB W/WC, 3 YEARS MEADOW	.137
ECCMM	1 YEAR CORN, 2 YEARS MEADOW	.034
EC2C2G	2 YEARS CORN, 2 YEARS MEADOW	.060
ECC5ALF	1 YEAR CORN, 5 YEARS ALFALFA	.034
EC2C5ALF	2 YEARS CORN, 5 YEARS ALFALFA	.050
ECALF	ALFALFA	.016
ECC112	CONT. CORN	.142
ECWC112	CONT. CORN W/WC	.113
ECCS	CONT. CORN SILAGE	.378
ECCSWC	CONT. CORN SILAGE W/WC (NOT HARV.)	.165
ECCSWS	CONT. CORN SILAGE, WHEAT SILAGE	.204
ECSSS	CONT. SORGHUM-SUDEX	.105
ECSSSWH	CONT. SORGHUM-SUDEX, WHEAT FOR HAY	.114
ECSB38	CONT. SOYBEANS WIDE ROW	.279
ECSB30	CONT. SOYBEANS 30" ROW	.253
ECSB19	CONT. SOYBEANS 19" ROW	.239

EAST TENNESSEE C FACTORS CONVENTIONAL (CONTINUED)

File Code	Crop Sequence	C-Factor
ECSNP	CONT. SNAPBEANS (1 CROP)	.566
ECSNPWC	CONT. SNAPBEANS W/WC	.313
ECDCSNP	CONT. SNAPBEANS DOUBLE CROP	.489
EDCSNPWC	SNAPBEANS DOUBLE CROP W/WC	.327
E2SNWC2G	2 YRS. SNAPBEANS, W/WC, 2 YRS. GRASS	.107
E3SNWC3G	3 YRS. SNAPBEANS, W/WC, 3 YRS. GRASS	.134
E3SNWC4G	3 YRS. SNAPBEANS, W/WC, 4 YRS. GRASS	.116
E3SNWC5G	3 YRS. SNAPBEANS, W/WC, 5 YRS. GRASS	.103
ECTOM	TOMATOES	.480
ECTOMWC	TOMATOES W/WC	.259
TOMPLAS	TOMATOES WITH PLASTIC, W/WC	.156
ECPU	PUMPKINS	.513
ECPUWC	PUMPKINS W/WC	.287
ECCWSB	CORN, WHEAT, SOYBEANS	.121
ECCSB	CORN, SOYBEANS	.183
ECW	CONT. WHEAT	.069
ECWSB	WHEAT/SOYBEANS (DOUBLE CROPPED)	.105
ECGR	GRASS FESCUE PERMANENT	.002
ECWAWC	WATERMELON W/WC	.167
ECWA	WATERMELONS	.444
ECPWC	BELL PEPPERS W/WC	.283

C FACTORS ARE BASED ON SPRING TILLAGE FOR SPRING CROPS EXCEPT WHERE NOTED FOR SPECIAL TOBACCO C FACTORS. COVER CROP FOR TOBACCO IS FOR CONSECUTIVE CROPS ONLY. THE YEAR OF SOD BEING SOWN DOES NOT HAVE COVER CROP.

EXAMPLE: 2 YEARS TOB W/WC, 2 YEARS MEADOW; CONSISTS OF COVER CROP AFTER FIRST YEAR OF TOBACCO ONLY. GRASS IS SOWN AFTER SECOND YEAR OF CROP.

ALL SPECIALTY CROPS ARE WITHOUT PLASTIC UNLESS NOTED.

TABLE 5.

REVISED UNIVERSAL SOIL LOSS EQUATION (RUSLE)

EAST TENNESSEE CONSERVATION TILLAGE C-FACTORS

C-FACTOR ZONES 109 AND 110

File Code	Crop Sequence	C-Factor
ECNTC112	NO-TILL CORN IN CORN RESIDUE	.026
ENTCWC	NO-TILL CORN, NO-TILL WC	.017
ENTCDWC	NO-TILL CORN, DISK WC	.040
ECNTCSWC	NO-TILL CORN SILAGE, W/WC (NOT HAR.)	.054
ECNTCSWS	NO-TILL CORN SILAGE, WHEAT SILAGE	.112
ECNTSB30	NO-TILL SOYBEANS, DISK WHEAT (30" ROWS)	.042
ECNTSBNR	NO-TILL SOYBEANS NR., DISK WHEAT	.041
ECNTSBW	NO-TILL SOYBEANS, NO-TILL WHEAT	.012
ECNTCWSB	NO-TILL CORN, NT WHEAT, NT SOYBEANS	.018
ECRTWNSB	CONV.CORN, RT WHEAT, NT SOYBEANS	.093
ECRTWRSB	CONV. CORN, RT WHEAT, RT SOYBEANS	.101
ENCDWDSB	NT CORN, DISK WHEAT, RT SOYBEANS	.055
ENCDWNSB	NT CORN, DISK WHEAT, NT SOYBEANS	.032
ENTCSB	NT CORN, NT SOYBEANS	.046
ENTCMTSB	NT CORN, RT SOYBEANS	.108
ERTC	RT CORN	.096
ERCRWNSB	RT CORN, RT WHEAT, NT SOYBEANS	.066
ERCWSB	RT CORN, RT WHEAT, RT SOYBEANS	.084
ERTCSB	RT CORN, RT SOYBEANS	.140
EMTCNTSB	RT CORN, NT SOYBEANS	.116
ECNTSB	NT SOYBEANS, PREVIOUS CROP RESIDUE	.075
ECDW	REDUCE TILL WHEAT	.044
ECNTW	NO-TILL WHEAT	.015
EMTWMTSB	RT WHEAT, RT SOYBEANS (DOUBLE CROPPED)	.064

RT - REDUCE TILLAGE: 1 DISKING AFTER CORN; 1 DISKING FOR WHEAT AND SOYBEANS.

NT - NO-TILL

SOYBEANS ARE ON 19" ROWS, UNLESS NOTED, WHICH WERE NOT SIGNIFICANTLY DIFFERENT FROM 30" OR DRILLED, IN C-FACTOR CALCULATIONS.