U.S. Department of Agriculture
Soil Conservation Service

RUSLE Soil Data

Survey Area WAKE COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
WmE	WEDOWEE	SL	100	B	.24	3	5
Wn	WEHADKEE	SIL	100	D	.32	5	0
Wo	WEHADKEE	SIL	40	D	.32	5	0
Wo	BIBB	SL	30	D	.20	5	5
WsB	WHITE STORE	SL	100	D	.28	3	0
WsB2	WHITE STORE	SL	100	D	.28	3	0
WsC	WHITE STORE	SL	100	D	.28	3	0
WsC2	WHITE STORE	SL	100	D	.28	3	0
WsE	WHITE STORE	SL	100	D	.28	3	0
WtB	WHITE STORE	SIL	100	D	.43	3	5
WvD3	WHITE STORE	CL	100	D	.37	3	0
WwC	WILKES	SL	100	C	.24	1	10
WwE	WILKES	SL	100	C	.24	1	10
WwF	WILKES	SL	100	C	.24	1	10
WxE	WILKES	STV-SL	100	C	.24	1	25
Wy	WORSHAM	SL	100	D	.28	4	5

RUSLE Soil Data

Survey Area WARREN COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
13	CONGAREE	SL	100	B	.24	5	0
20B	DAVIDSON	L	100	B	.28	5	5
20C	DAVIDSON	L	100	B	.28	5	5
25B	CECIL	CL	100	B	.28	3	10
25C	CECIL	CL	100	B	.28	3	10
32B	CECIL	SL	100	B	.28	4	5
32C	CECIL	SL	100	B	.28	4	5
33B	PACOLET	SCL	100	B	.24	2	5
33C	PACOLET	SCL	100	B	.24	2	5
33D	PACOLET	SCL	100	B	.24	2	5
36B	APPLING	SL	100	B	.28	4	5
36C	APPLING	SL	100	B	.28	4	5
43	CHEWACLA	L	50	C	.28	5	0
43	WEHADKEE	L	30	D	.24	5	0
51B	HELENA	SL	100	C	.24	4	5
57B	VANCE	SL	100	C	.24	3	10
57C	VANCE	SL	100	C	.24	3	10
60B	LOUISBURG	LCOS	100	B	.15	3	15
60C	LOUISBURG	LCOS	100	B	.15	3	15
60E	LOUISBURG	LCOS	100	B	.15	3	15
63B	WILKES	L	100	C	.24	1	10
63C	WILKES	L	100	C	.24	1	10
63E	WILKES	L	100	C	.24	1	10
68C	GOLDSTON	CN-SIL	100	C	.32	1	50
68F	GOLDSTON	CN-SIL	100	C	.32	1	50
70B	WEDOWEE	SL	100	B	.24	3	5
70C	WEDOWEE	SL	100	B	.24	3	5
70D	WEDOWEE	SL	100	B	.24	3	5
70E	WEDOWEE	SL	100	B	.24	3	5
80	WORSHAM	L	100	D	.37	4	5
205B	GEORGEVILLE	SIL	100	B	.49	4	5
205C	GEORGEVILLE	SIL	100	B	.49	4	5
212B	HERNDON	SIL	100	B	.43	5	5
212C	HERNDON	SIL	100	B	.43	5	5
232B	TATUM	SIL	60	B	.37	4	5
232B	NASON	SIL	25	C	.43	4	5
232D	TATUM	SIL	60	B	.37	4	10
232D	NASON	SIL	25	C	.43	4	5
506B	ENON	FSL	100	C	.28	3	10
506C	ENON	FSL	100	C	.28	3	10
522B	LIGNUM	SIL	100	C	.37	4	10
540B	WICKHAM	FSL	100	B	.24	5	5
544A	ALTAVISTA	FSL	100	C	.24	5	5

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Survey Area WASHINGTON COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
AaA	ALTAVISTA	FSL	100	C	.24	5	5
Ap	ARAPAHOE	FSL	100	B/D	.15	5	0
Ar	ARGENT	SIL	100	D	.32	5	0
At	AUGUSTA	FSL	100	C	.20	4	5
Ba	BELHAVEN	MUCK	100	D			0
BoA	BOJAC	LFS	100	B	.17	3	0
Cf	CAPE FEAR	L	100	D	.15	5	0
Co	CONABY	MUCK	100	B/D			0
CtA	CONETOE	LFS	100	A	.15	5	0
DgA	DOGUE	FSL	100	C	.28	5	5
Do	DOROVAN	MPT	100	D			0
Dr	DOROVAN	SIL	100	D	.32	4	0
Ds	DRAGSTON	LFS	100	C	.17	4	0
Fo	FORTESCUE	MK-L	100	C/D	.37	5	0
Hy	HYDE	SIL	100	B/D	.17	5	0
Me	MUCKALEE	L	100	D	.20	5	5
Pe	PETTIGREW	MUCK	100	B/D			0
Po	PONZER	MUCK	100	D			0
Pt	PORTSMOUTH	FSL	100	B/D	.24	5	0
Pu	PUNGO	MUCK	100	D			0
Ro	ROANOKE	L	100	D	.37	4	5
Rp	ROPER	MUCK	100	B/D			0
Se	SCUPPERNONG	MUCK	100	D			0
TaB	TARBORO	S	100	A	.10	5	0
To	TOMOTLEY	FSL	100	B/D	.20	5	0
Wa	WAHEE	FSL	100	D	.24	5	0
Wd	WASDA	MUCK	100	B/D			0
WkB	WICKHAM	LS	100	B	.15	5	5

RUSLE Soil Data

Survey Area WATAUGA COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
1A	ROSMAN	FSL	100	B	.24	5	5
2A	REDDIES	L	100	B	.20	3	5
3A	DELLWOOD	GR-FSL	100	A	.20	2	25
4A	NIKWASI	L	100	B/D	.20	3	5
5A	NIKWASI	L	100	B/D	.20	3	5
8A	TOXWAY	L	100	B/D	.17	5	0
10B	SAUNOOK	L	100	B	.20	5	5
10C	SAUNOOK	L	100	B	.20	5	5
10D	SAUNOOK	L	100	B	.20	5	5
10E	SAUNOOK	L	100	B	.32	4	5
11C	SAUNOOK	L	100	B	.20	5	5
11D	SAUNOOK	L	100	B	.20	5	5
11E	SAUNOOK	L	100	B	.20	5	5
12C	TATE	L	100	B	.20	5	5
15C	SAUNOOK	L	100	B	.24	5	5
15C	NIKWASI	L	60	B	.20	5	5
25C	BALSAM	L	20	B/D	.20	3	5
25C	TANASEE	CB-FSL	50	B	.24	5	25
25D	BALSAM	CB-FSL	30	B	.24	5	25
25D	TANASEE	CB-FSL	50	B	.24	5	25
25E	BALSAM	CB-FSL	30	B	.24	5	25
25E	TANASEE	CB-FSL	40	B	.24	5	25
26C	WATAUGA	CB-FSL	40	B	.24	5	25
26D	WATAUGA	L	100	B	.24	3	10
28D	FANNIN	L	100	B	.24	3	10
28E	FANNIN	L	100	B	.32	3	5
34C	CHESTNUT	L	100	B	.32	3	5
34C	EDNEYVILLE	GR-FSL	40	B	.24	2	20
34D	CHESTNUT	GR-FSL	40	B	.24	4	20
34D	EDNEYVILE	FSL	40	B	.24	2	10
34E	CHESTNUT	FSL	40	B	.24	4	5
34E	EDNEYVILLE	FSL	40	B	.24	2	10
34F	CHESTNUT	FSL	40	B	.24	4	5
34F	ASHE	GR-FSL	40	B	.24	2	20
35C	EDNEYTOWN	GR-FSL	40	B	.24	2	15
35D	EDNEYTOWN	L	100	B	.20	5	5
35E	EDNEYTOWN	L	100	B	.20	5	5
37C	EVARD	L	100	B	.20	5	5
37C	COWEE	FSL	40	B	.24	5	10
37D	EVARD	GR-FSL	40	B	.28	2	20
37D	COWEE	FSL	40	B	.24	5	10
37E	EVARD	GR-FSL	40	B	.28	2	20
37E	COWEE	FSL	40	B	.24	5	10
40A	CULLOWHEE	GR-FSL	40	B	.28	2	20
61D	NORTHCOVE	FSL	100	B/D	.20	3	5
61E	NORTHCOVE	CBV-SL	100	B	.28	5	45
		CBV-SL	100	B	.28	5	45

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Survey Area WATAUGA COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
62C	KENNER	L	100	B	.24	5	5
62D	KENNER	L	100	B	.24	5	5
64D	SOCO	L	40	B	.28	2	10
64D	DITNEY	CB-FSL	40	C	.24	2	25
64E	SOCO	L	40	B	.28	2	10
64E	DITNEY	CB-FSL	40	C	.24	2	25
65F	DITNEY	CB-FSL	40	C	.24	2	25
65F	UNICOI	CB-SL	40	C	.28	1	30
68D	JEFFREY	CB-L	100	B	.24	2	20
68E	JEFFREY	CB-L	100	B	.24	2	20
69F	ASHE	GR-FSL	40	B	.24	2	15
69F	CLEVELAND	GR-FSL	35	C	.28	1	25
70D	CHESTNUT	GR-FSL	50	B	.24	2	20
70D	ASHE	GR-FSL	30	B	.24	2	15
70E	CHESTNUT	GR-FSL	50	B	.24	2	20
70E	ASHE	GR-FSL	30	B	.24	2	15
70F	CHESTNUT	GR-FSL	50	B	.24	2	5
70F	ASHE	GR-FSL	30	B	.32	3	5
72E	CHANDLER	FSL	100	B	.32	4	5
74C	CASHIERS	L	100	B	.32	4	5
74D	CASHIERS	L	100	B	.32	4	5
74E	CASHIERS	L	100	B	.28	2	20
77C	COWEE	GR-FSL	100	B	.28	2	20
77D	COWEE	GR-FSL	100	B	.28	2	20
77E	COWEE	GR-FSL	100	B	.28	2	20
77F	COWEE	GR-FSL	100	B	.28	3	5
88C	PORTERS	L	40	B	.2	2	20
88C	UNAKA	L	40	B	.28	3	1
88D	PORTERS	L	40	B	.2	2	2
88D	UNAKA	L	40	B	.28	3	2
88E	PORTERS	L	40	B	.2	2	2
88E	UNAKA	L	40	B	.28	3	2
88F	PORTERS	L	40	B	.2	2	1
88F	UNAKA	L	40	B	.24	2	1
90E	CHESTNUT	FSL	100	B	.24	2	1
90F	CHESTNUT	FSL	100	B	.24	2	1
91D	CHESTNUT VARIANT	FSL	100	B	.24	2	1
91E	CHESTNUT VARIANT	FSL	100	B	.24	2	1
91F	CHESTNUT VARIANT	FSL	100	B	.24	2	1
95B	CULLASAJA	CBV-FSL	40	B	.10	5	
95C	CULLASAJA	CBV-FSL	40	B	.10	5	
95D	CULLASAJA	CB-FSL	50	B	.15	5	
95E	CULLASAJA	CB-FSL	50	B	.15	5	
96C	CULLASAJA	CBV-FSL	100	B	.10	5	
96D	CULLASAJA	CBV-FSL	100	B	.10	5	
96E	CULLASAJA	CBV-FSL	100	B	.10	5	

RUSLE Soil Data

Survey Area WATAUGA COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
97F	BURTON	GR-FSL	40	B	.24	2	25
97F	CRAGGEY	GR-SL	40	D	.20	1	20
98C	PORTERS	L	100	B	.28	3	5
98D	PORTERS	L	100	B	.28	3	5
98E	PORTERS	L	100	B	.24	4	5
98F	PORTERS	L	100	B	.28	3	5
99C	BURTON	L	60	B	.24	2	10
99C	WAYAH	L	20	B	.24	3	5
99D	BURTON	L	60	B	.24	2	10
99D	WAYAH	L	20	B	.24	3	5
99E	BURTON	L	60	B	.24	2	10
99E	WAYAH	L	20	B	.24	3	5

U.S. Department of Agriculture
Soil Conservation Service

RUSLE Soil Data

Survey Area WAYNE COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cove: %
AyA	AYCOCK	VFSL	100	B	.37	5	0
AyB	AYCOCK	VFSL	100	B	.37	5	0
AyB2	AYCOCK	VFSL	100	B	.37	5	0
Ba	BARCLAY	VFSL	100	C	.43	5	0
Bb	BIBB	SL	100	D	.20	5	5
Ch	CHEWACLA	L	100	C	.28	5	0
Co	COXVILLE	L	100	D	.24	5	0
CrB2	CRAVEN	SL	100	C	.20	3	5
CrC2	CRAVEN	SL	100	C	.20	3	5
Dr	DRAGSTON	LS	100	C	.17	4	0
Ex	EXUM	VFSL	100	C	.37	5	0
Go	GOLDSBORO	LS	100	B	.17	5	0
Jo	JOHNS	SL	100	C	.20	5	0
Js	JOHNSTON	L	100	D	.20	5	0
KaA	KALMIA	LS	100	B	.15	5	0
KaB	KALMIA	LS	100	B	.15	5	0
KaD	KALMIA	LS	100	C	.15	4	5
KaE	KALMIA	LS	100	C	.15	5	5
Ke	KENANSVILLE	LS	100	A	.15	5	0
Kn	KINSTON	L	100	B/D	.37	5	0
La	LAKELAND	S	100	A	.10	5	5
Le	LEAF	L	100	D	.28	4	0
Ln	LEON	S	100	B/D	.10	5	0
Ls	LIDDELL	VFSL	100	B/D	.43	5	0
Lu	LUCY	LS	100	A	.10	5	0
Lv	LUMBEE	SL	100	B/D	.24	5	5
Ly	LYNCHBURG	SL	100	C	.20	5	5
My	MYATT	VFSL	100	D	.28	5	0
Na	NAHUNTA	VFSL	100	C	.43	5	0
Nf	NIXONTON	VFSL	100	B	.37	5	0
NoA	NORFOLK	LS	100	B	.17	5	0
NoB	NORFOLK	LS	100	B	.17	5	0
NoC	NORFOLK	LS	100	B	.17	5	0
NrB2	NORFOLK	SL	100	B	.20	5	0
Pa	PAMLICO	MUCK	100	D			0
Po	PANTEGO	L	100	B/D	.15	5	0
Ra	RAINS	SL	100	B/D	.20	5	0
Rm	RIMINI	S	100	A	.10	5	0
RuA	RUSTON	LS	100	B	.10	5	0
RuB	RUSTON	LS	100	B	.10	5	0
RyB2	RUSTON	SL	100	B	.20	5	0
To	TORHUNTA	L	100	C	.15	5	0
Tr	TROUP	S	100	A	.10	5	0
WaB	WAGRAM	LS	100	A	.15	5	0
WaC	WAGRAM	LS	100	A	.15	5	0
WaD	WAGRAM	LS	100	A	.15	5	0

RUSLE Soil Data

Survey Area WAYNE COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
We	WESTON	LS	100	B/D	.10	5	0
WhA	WICKHAM	LS	100	B	.15	5	5
WhB	WICKHAM	LS	100	B	.15	5	5
WkB2	WICKHAM	SL	100	B	.24	5	5

RUSLE Soil Data

Survey Area WILKES COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
BhC	BETHLEHEM	GR-SL	60	B	.32	2	35
BhC	HIBRITEN	CBV-SL	30	B	.24	2	50
BrB2	BRADDOCK	CL	100	B	.32	3	10
BrD2	BRADDOCK	CL	100	B	.32	3	10
BuB	BUNCOMBE	LS	100	A	.10	5	0
CdF	CHANDLER	GR-FSL	100	B	.32	3	25
CeD	CHESTNUT	GR-SL	50	B	.24	2	20
CeD	ASHE	GR-SL	35	B	.24	2	15
CeF	CHESTNUT	GR-SL	45	B	.24	2	20
CeF	ASHE	GR-SL	35	B	.24	2	15
ChD	CHESTNUT	GR-SL	55	B	.24	2	20
ChD	EDNEYVILLE	GR-SL	30	B	.24	4	20
ChE	CHESTNUT	GR-SL	60	B	.24	2	20
ChE	EDNEYVILLE	GR-SL	25	B	.24	4	20
CkA	CHEWACLA	L	100	C	.28	5	0
CrF	CLEVELAND	GR-SL	60	C	.28	1	25
CrF	ROCK OUTCROP	UWB	25	D			NO DATA
CsD	COWEE	GR-SL	70	B	.28	2	20
CsD	SALUDA	GR-SL	15	C	.28	2	25
CsE	COWEE	GR-SL	70	B	.28	2	20
CsE	SALUDA	GR-SL	15	C	.28	2	25
CuE	CULLASAJA	BYX-FSL	100	B	.24	5	60
CwA	CULLOWHEE	FSL	100	B/D	.20	3	5
DoB	DOGUE	FSL	100	C	.28	5	5
EdD	EDNEYTOWN	GR-SL	100	B	.24	5	25
ErC	EVARD	GR-SL	100	B	.28	5	25
ErD	EVARD	GR-SL	100	B	.28	5	25
EsD	EVARD	GR-SL	75	B	.28	5	25
EsD	COWEE	GR-SL	20	B	.28	2	20
EsE	EVARD	GR-SL	75	B	.28	5	25
EsE	COWEE	GR-SL	20	B	.28	2	20
GrD	GREENLEE	CBV-SL	55	B	.20	5	45
GrD	OSTIN	CBV-LS	25	A	.20	2	25
HaC2	HAYESVILLE	SCL	100	B	.24	5	5
HbE	HIBRITEN	CBV-SL	100	B	.24	2	50
MaB2	MASADA	SCL	100	C	.24	4	10
MaC2	MASADA	SCL	100	C	.24	4	10
MsB2	MASADA	GR-SCL	100	C	.24	4	25
MsC2	MASADA	GR-SCL	100	C	.24	4	25
MuC	MASADA	SCL	50	C	.24	4	10
MuC	URBAN LAND	VAR	30				NO DATA
OsB	OSTIN	CBV-LS	100	A	.20	2	25
PaD	PACOLET	SL	100	B	.20	3	5
PcB2	PACOLET	SCL	100	B	.24	2	5
PcC2	PACOLET	SCL	100	B	.24	2	5
PrC	PACOLET	SCL	50	B	.24	2	5

RUSLE Soil Data

Survey Area WILKES COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
PrC	URBAN LAND	VAR	30				NO DATA
PrD	PACOLET	SL	50	B	.20	3	5
PrD	URBAN LAND	VAR	30				NO DATA
PwD	PORTERS	L	100	B	.28	3	5
RnD	RION	FSL	100	B	.24	3	5
RnE	RION	FSL	100	B	.24	3	5
RsD	RION	FSL	60	B	.24	3	5
RsD	ASHLAR	GR-SL	20	B	.24	2	25
RwC	RION	FSL	60	B	.24	3	5
RwC	WEDOWEE	SL	30	B	.24	3	5
Rx	ROCK OUTCROP	UWB	100	D			NO DATA
RzA	ROSMAN	FSL	55	B	.24	5	5
RzA	REDDIES	FSL	30	B	.20	3	5
StB	STATE	FSL	100	B	.28	5	0
TaD	TATE	FSL	100	B	.24	5	5
TcC	TATE	FSL	55	B	.24	5	5
TcC	CULLOWHEE	FSL	25	B/D	.20	3	5
ToA	TOCCOA	SL	100	B	.10	4	0
UdC	URBAN LAND	VAR	35				NO DATA
UfB	URBAN LAND	VAR	35				NO DATA
WaC	WATAUGA	L	100	B	.24	3	10
WaD	WATAUGA	L	100	B	.24	3	10
WeF	WATEREE	SL	55	B	.24	3	10
WeF	RION	FSL	30	B	.24	3	5
WhA	WEHADKEE	L	100	D	.24	5	0

RUSLE Soil Data

Survey Area WILSON COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
AaA	ALTAVISTA	FSL	100	C	.24	5	5
AyA	AYCOCK	VFSL	100	B	.37	5	0
AyB	AYCOCK	VFSL	100	B	.37	5	0
Bb	BIBB	L	100	D	.28	5	5
Co	COXVILLE	SL	100	D	.24	5	0
DpA	DUPLIN	SL	100	C	.24	5	0
ExA	EXUM	VFSL	100	C	.37	5	0
FuB	FUQUAY	LS	100	B	.15	5	5
GoA	GOLDSBORO	SL	100	B	.20	5	0
GpA	GOLDSBORO	SL	50	B	.20	5	0
Gr	GRANTHAM	VFSL	100	D	.37	5	0
GtB2	GRITNEY	SL	100	C	.20	3	5
GtC2	GRITNEY	SL	100	C	.20	3	5
Gu	GRITNEY	SL	55	C	.20	3	5
MaA	MARLBORO	LS	100	B	.15	5	0
MaB	MARLBORO	LS	100	B	.15	5	0
NaB2	NANKIN	SL	100	C	.28	3	5
NnC	NASON	SIL	100	C	.43	4	10
NoA	NORFOLK	LS	100	B	.17	5	0
NoB	NORFOLK	LS	100	B	.17	5	0
NuB	NORFOLK	LS	40	B	.17	5	0
Ra	RAINS	SL	100	B/D	.20	5	0
Rb	RAINS	SL	40	B/D	.20	5	0
Ro	ROANOKE	L	100	D	.37	4	5
Sa	STALLINGS	FSL	100	C	.20	5	0
StA	STATE	LS	100	B	.28	5	0
TaB	TARBORO	S	100	A	.10	5	0
TmB	TATUM	L	100	B	.37	4	5
To	TOISNOT	L	100	D	.15	3	0
Tt	TOMOTLEY	FSL	100	B/D	.20	5	0
VaA	VARINA	LS	100	C	.15	4	5
VaB	VARINA	LS	100	C	.15	4	5
WaB	WAGRAM	LS	100	A	.15	5	0
WeB	WEDOWEE	SL	100	B	.24	3	5
WeC	WEDOWEE	SL	100	B	.24	3	5
Wh	WEHADKEE	L	50	D	.24	5	0
Wh	CHEWACLA	L	30	C	.28	5	0
Wk	WILBANKS	SIL	100	D	.20	5	0

RUSLE Soil Data

Survey Area YADKIN COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
AfA	ALTAVISTA	FSL	100	C	.24	5	5
AfB	ALTAVISTA	FSL	100	C	.24	5	5
AfC	ALTAVISTA	FSL	100	C	.24	5	5
ApB	APPLING	FSL	100	B	.28	4	5
ApB2	APPLING	FSL	100	B	.28	4	5
ApC	APPLING	FSL	100	B	.24	3	5
ApC2	APPLING	FSL	100	B	.24	3	5
ApD	APPLING	FSL	100	B	.24	3	5
ApD2	APPLING	FSL	100	B	.24	3	5
ApE	APPLING (WEDOWEE	FSL	100	B	.24	3	5
ApE2	APPLING (WEDOWEE	FSL	100	B	.24	3	5
ApF	APPLING (WEDOWEE	FSL	100	B	.24	3	5
Au	AUGUSTA	SIL	100	C	.24	4	5
Bn	BUNCOMBE	LS	100	A	.10	5	0
Bu	BUNCOMBE	S	100	A	.10	5	0
CIC	CECIL	L	100	B	.28	4	5
CcB3	CECIL	CL	100	B	.28	3	10
CcC3	CECIL (PACOLET)	CL	100	B	.24	2	5
CcD3	CECIL (PACOLET)	CL	100	B	.24	2	5
CcE3	CECIL (PACOLET)	CL	100	B	.24	2	5
CcF3	CECIL (PACOLET)	CL	100	B	.24	2	5
CfB	CECIL	FSL	100	B	.28	4	5
CfB2	CECIL	FSL	100	B	.28	4	5
CfC	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfC2	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfD	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfD2	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfE	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfE2	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfF	CECIL (PACOLET)	FSL	100	B	.20	3	5
CfF2	CECIL (PACOLET)	FSL	100	B	.20	3	5
CgB	CECIL	GR-FSL	100	B	.28	4	25
CgB2	CECIL	GR-FSL	100	B	.28	4	25
CgC	CECIL	GR-FSL	100	B	.28	4	25
CgC2	CECIL (PACOLET)	GR-FSL	100	B	.20	3	15
CgD	CECIL (PACOLET)	GR-FSL	100	B	.20	3	15
CgD2	CECIL (PACOLET)	GR-FSL	100	B	.20	3	15
CgE	CECIL (PACOLET)	GR-FSL	100	B	.20	3	15
CgE2	CECIL	GR-FSL	100	B	.20	3	15
CIB2	CECIL	L	100	B	.28	4	5
CmD3	HAYESVILLE (CECI	CL	50	B	.28	3	10
CmD3	CECIL	CL	30	B	.28	3	10
CmE3	HAYESVILLE (CECI	CL	50	B	.24	2	5
CmE3	CECIL	CL	30	B	.24	2	5
CnC2	HAYESVILLE (CECI	FSL	50	B	.28	4	5
CnC2	CECIL	FSL	30	B	.28	4	5

RUSLE Soil Data

Survey Area YADKIN COUNTY, NORTH CAROLINA
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Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
CnD2	HAYESVILLE (CECI	FSL	50	B	.28	4	5
CnD2	CECIL	FSL	30	B	.28	4	5
CnE	HAYESVILLE (CECI	FSL	50	B	.28	4	5
CnE	CECIL	FSL	30	B	.28	4	5
CnE2	CECIL	FSL	100	B	.28	4	5
CnF	HAYESVILLE (PACO	FSL	50	B	.20	3	5
CnF	CECIL (PACOLET)	FSL	30	B	.20	3	5
CnF2	HAYESVILLE (PACO	FSL	50	B	.20	3	5
CnF2	CECIL (PACOLET)	FSL	30	B	.20	3	5
Cp	CHEWACLA	SIL	100	C	.28	5	0
Cr	CONGAREE (TOCCOA	FSL	100	B	.10	4	0
Cs	CONGAREE	SIL	100	B	.37	5	0
DaB2	DAVIDSON	CL	100	B	.28	5	5
DaC2	DAVIDSON	CL	100	B	.28	5	5
GeC2	GEORGEVILLE	SIL	100	B	.49	4	5
GeE	GEORGEVILLE	SIL	100	B	.49	4	5
HaC	HALEWOOD (EDNEY	VST-SL	100	B	.28	5	30
HaD	HALEWOOD (EDNEY	VST-SL	100	B	.28	5	30
HaE	HALEWOOD (EDNEY	VST-SL	100	B	.28	5	30
HaF	HALEWOOD (EDNEY	VST-SL	100	B	.28	5	30
HwB2	HIWASSEE	L	100	B	.28	5	0
IrB	IREDELL	FSL	100	C/D	.28	3	10
IrB2	IREDELL	FSL	100	C/D	.28	3	10
IrC	IREDELL	FSL	100	C/D	.28	3	10
IrC2	IREDELL	FSL	100	C/D	.28	3	10
IrD	IREDELL (WILKES)	FSL	100	C	.24	1	10
IrD2	IREDELL (WILKES)	FSL	100	C	.24	1	10
LcB3	LLOYD	CL	100	B	.24	2	5
LcD3	LLOYD	CL	100	B	.24	2	5
LcE3	LLOYD	CL	100	B	.24	2	5
LdB	LLOYD (PACOLET)	L	100	B	.20	3	5
LdB2	LLOYD (PACOLET)	L	100	B	.20	3	5
LdC	LLOYD (PACOLET)	L	100	B	.20	3	5
LdC2	LLOYD (PACOLET)	L	100	B	.20	3	5
LdD	LLOYD (PACOLET)	L	100	B	.20	3	5
LdD2	LLOYD (PACOLET)	L	100	B	.20	3	5
LdE	LLOYD (PACOLET)	L	100	B	.20	3	5
LdE2	LLOYD (PACOLET)	L	100	B	.20	3	5
LdF	LLOYD (PACOLET)	L	100	B	.20	3	5
Lo	LOCAL ALLUVIAL	LSL	50	B	.24	5	0
Lo	WEHADKEE	SL	50	D	.24	5	0
LsD	LOUISBURG	SL	100	B	.24	3	10
LsE	LOUISBURG	SL	100	B	.24	3	10
LsF	LOUISBURG	COSL	100	B	0.15	3	15
MaB	MADISON	FSL	100	B	.24	4	5
MaB2	MADISON	FSL	100	B	.24	4	5

RUSLE Soil Data

Survey Area YADKIN COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
MaC	MADISON	FSL	100	B	.24	4	5
MaC2	MADISON	FSL	100	B	.24	4	5
MaD	MADISON	FSL	100	B	.24	4	5
MaD2	MADISON	SL	100	B	.24	4	5
MaE	MADISON	FSL	100	B	.24	4	5
MdC	MADISON	GR-FSL	100	B	.24	4	20
MdD	MADISON	GR-FSL	100	B	.24	4	20
MdD2	MADISON	GR-FSL	100	B	.24	4	20
MdE	MADISON	GR-FSL	100	B	.24	4	20
MdF	MADISON	GR-FSL	100	B	.24	4	20
MfB	MAYODAN	FSL	100	B	.24	4	5
MfB2	MAYODAN	FSL	100	B	.24	4	5
MfC	MAYODAN	FSL	100	B	.24	4	5
MfC2	MAYODAN	FSL	100	B	.24	4	5
MfD	MAYODAN	FSL	100	B	.24	4	5
MfD2	MAYODAN	FSL	100	B	.24	4	5
MfE	MAYODAN	FSL	100	B	.24	4	5
MkB2	MECKLENBURG	L	100	C	.24	4	5
MkC2	MECKLENBURG	L	100	C	.24	4	5
MkE2	MECKLENBURG	L	100	C	.24	4	5
Mm	MIXED ALLUVIAL	LSL	100	D	.24	5	0
Mn	MIXED ALLUVIAL	LSL	100	B	.10	4	0
Mr	MODERATELY GULLI	CL	100	B	.24	2	5
Ms	MODERATELY GULLI	SL	100	B	.20	3	5
Sg	SEVERELY GULLIED	CL	100	B	.24	2	5
SmB	STARR	L	100	C	.28	5	5
Sn	STATE	FSL	100	B	.28	5	0
WaB	WADESBORO	FSL	100	B	.24	4	5
WaB2	WADESBORO	FSL	100	B	.24	4	5
WaC	WADESBORO	FSL	100	B	.24	4	5
WaC2	WADESBORO	FSL	100	B	.24	4	5
WaD	WADESBORO	FSL	100	B	.24	4	5
WaD2	WADESBORO	FSL	100	B	.24	4	5
WaE	WADESBORO	FSL	100	B	.24	4	5
We	WEHADKEE	L	100	D	.24	5	0
WfB2	WICKHAM	FSL	100	B	.24	5	5
WfC2	WICKHAM	FSL	100	B	.24	5	5
WkC	WILKES	SL	100	C	.24	1	10
WkC3	WILKES	SL	100	C	.24	1	10
WkD	WILKES	SL	100	C	.24	1	10
WkE	WILKES	SL	100	C	.24	1	10
WkE3	WILKES	SL	100	C	.24	1	10
WkF	WILKES	SL	100	C	.24	1	10
WoB	WORSHAM	FSL	100	D	.28	4	5

RUSLE Soil Data

Survey Area YANCEY COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
11	ROSMAN	FSL	100	B	.24	5	5
14	DELLWOOD	FSL	50	A	.20	2	10
14	REDDIES	L	40	B	.20	3	5
43	FRENCH	L	100	C	.28	3	5
70	BILTMORE	LS	100	A	.10	5	5
82	NIKWASI	L	100	B/D	.20	3	5
99E	CULLASAJA	CB-FSL	100	B	.15	5	20
99F	CULLASAJA	CB-FSL	100	B	.15	5	20
99G	CULLASAJA	CB-FSL	100	B	.15	5	20
101B	TUSQUITEE	L	60	B	.28	5	10
101B	CULLASAJA	STV-SL	25	B	.10	5	40
101D	TUSQUITEE	L	60	B	.28	5	10
101D	CULLASAJA	STV-SL	25	B	.10	5	40
101E	TUSQUITEE	L	60	B	.28	5	10
101E	CULLASAJA	STV-SL	25	B	.10	5	40
101F	TUSQUITEE	L	50	B	.28	5	10
101F	CULLASAJA	STV-SL	35	B	.10	5	40
101G	CULLASAJA	STV-SL	50	B	.10	5	40
101G	TUSQUITEE	L	35	B	.28	5	10
121B	SAUNOOK	L	100	B	.20	5	5
121D	SAUNOOK	L	100	B	.20	5	5
121E	SAUNOOK	L	100	B	.20	5	5
121F	SAUNOOK	L	100	B	.20	5	5
171E	KEENER	L	60	B	.24	5	5
171E	LOSTCOVE	CBV-L	20	B	.28	5	45
171F	KENNER	L	60	B	.24	5	5
171F	LOSTCOVE	CBV-L	20	B	.28	5	45
181B	THUNDER	STV-L	45	B	.17	5	60
181B	SAUNOOK	L	40	B	.20	5	5
181D	THUNDER	STV-L	50	B	.17	5	60
181D	SAUNOOK	L	35	B	.20	5	5
181E	THUNDER	STV-L	50	B	.17	5	60
181E	SAUNOOK	L	35	B	.20	5	5
181F	THUNDER	STV-L	50	B	.17	5	60
181F	SAUNOOK	L	30	B	.20	5	5
199E	BALSAM	STX-FSL	60	B	.05	5	65
199E	TANASEE	CB-FSL	30	B	.24	5	25
199F	BALSAM	STX-FSL	60	B	.05	5	65
199F	TANASEE	CB-FSL	30	B	.24	5	25
199G	BALSAM	STX-SL	100	B	.05	5	65
243B	UNISON	L	100	B	.32	5	15
243D	UNISON	L	100	B	.32	5	15
243E	UNISON	L	100	B	.32	5	15
253B	DILLSBORO	CL	100	B	.24	5	5
253D	DILLSBORO	CL	100	B	.24	5	5
253E	DILLSBORO	CL	100	B	.24	5	5

RUSLE Soil Data

Survey Area YANCEY COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
311E	HARMILLER	L	55	B	.24	2	5
311E	SHINBONE	L	25	B	.24	3	10
311F	HARMILLER	L	60	B	.24	2	5
311F	SHINBONE	L	20	B	.24	3	10
313D	CLIFTON	CL	100	B	.17	4	5
313E	CLIFTON	CL	100	B	.17	4	5
313F	CLIFTON	CL	100	B	.17	4	5
337E	EVARD	L	45	B	.28	5	5
337E	COWEE	GR-L	40	B	.28	2	20
337F	EVARD	L	45	B	.28	5	5
337F	COWEE	GR-L	40	B	.28	2	20
337G	EVARD	L	45	B	.28	5	5
337G	COWEE	GR-L	40	B	.28	2	20
352B	FANNIN	L	100	B	.32	3	5
352D	FANNIN	L	100	B	.32	3	5
352E	FANNIN	L	100	B	.32	3	5
352F	FANNIN	L	100	B	.32	3	5
361D	WATAUGA	L	100	B	.24	3	10
361E	WATAUGA	L	100	B	.24	3	10
361F	WATAUGA	L	100	B	.24	3	10
393E	BULADEAN	SL	45	B	.20	3	5
393E	CHESTNUT	CB-L	35	B	.24	2	25
393F	BULADEAN	SL	40	B	.20	3	5
393F	CHESTNUT	CB-L	35	B	.24	2	25
393G	BULADEAN	SL	40	B	.20	3	5
393G	CHESTNUT	CB-L	35	B	.24	2	25
493E	EDNEYTOWN	L	40	B	.20	5	5
493E	PIGEONROOST	L	30	B	.28	2	10
493F	EDNEYTOWN	L	40	B	.20	5	5
493F	PIGEONROOST	L	35	B	.28	2	10
493G	EDNEYTOWN	L	40	B	.20	5	5
493G	PIGEONROOST	L	35	B	.28	2	10
544B	DILLARD	L	100	C	.32	4	5
700G	ASHE	ST-L	35	B	.24	2	25
700G	CLEVELAND	ST-L	30	C	.28	1	30
711D	DITNEY	SL	50	C	.24	2	10
711D	RAMSEY	SL	30	D	.20	1	10
711E	DITNEY	CB-FSL	45	C	.24	2	25
711E	RAMSEY	L	35	D	.20	1	10
711F	DITNEY	CB-FSL	45	C	.24	2	25
711F	RAMSEY	L	35	D	.20	1	10
711G	DITNEY	CB-FSL	45	C	.24	2	25
711G	RAMSEY	L	35	D	.20	1	10
721B	CASHIERS	FSL	100	B	.32	4	5
721D	CASHIERS	FSL	100	B	.32	4	5
721E	CASHIERS	FSL	100	B	.32	4	5

RUSLE Soil Data

Survey Area YANCEY COUNTY, NORTH CAROLINA
Component Table Date: Sep 24 Layer Table Date: Sep 24

Map Unit Symbol	Component Name	Surface Texture	Percent of Map Unit	Hyd. Grp.	Kf	T	Rock Cover %
721F	CASHIERS	FSL	100	B	.32	4	5
721G	CASHIERS	FSL	100	B	.32	4	5
722E	CHANDLER	L	100	B	.32	3	5
722F	CHANDLER	L	100	B	.32	3	5
722G	CHANDLER	L	100	B	.32	3	5
737D	TRIMONT	L	100	B	.24	4	5
737E	TRIMONT	L	100	B	.24	4	5
737F	TRIMONT	L	100	B	.24	4	5
737G	TRIMONT	L	100	B	.24	4	5
761D	PORTERS	ST-L	50	B	.24	3	20
761D	UNAKA	CB-L	30	B	.2	2	20
761E	PORTERS	ST-L	50	B	.24	3	20
761E	UNAKA	CB-L	30	B	.2	2	20
761F	PORTERS	ST-L	50	B	.24	3	20
761F	UNAKA	CB-L	30	B	.2	2	20
761G	PORTERS	ST-L	50	B	.24	3	20
761G	UNAKA	CB-L	30	B	.2	2	20
791G	UNAKA	CB-L	40	B	.2	2	20
793G	CHESTNUT	GR-FSL	50	B	.24	2	20
793G	ASHE	L	35	B	.24	2	5
799G	JEFFREY	SL	30	B	.24	2	15
799G	DITNEY	SL	30	C	.24	2	10
931F	CRAGGEY	GR-L	50	D	.20	1	20
931G	CRAGGEY	GR-L	50	D	.20	1	20
933E	BURTON	CB-L	40	B	.20	2	20
933E	CRAGGEY	GR-SL	30	D	.20	1	20
933F	BURTON	CB-L	40	B	.20	2	20
933F	CRAGGEY	GR-SL	30	D	.20	1	20
933G	BURTON	CB-L	40	B	.20	2	20
933G	CRAGGEY	GR-SL	30	D	.20	1	20
961D	WAYAH	CB-L	100	B	.24	3	25
961E	WAYAH	CB-L	100	B	.24	3	25
961F	WAYAH	CB-L	100	B	.24	3	25

Table 2

AVERAGE ANNUAL RUSLE K FACTORS
C/K Factor Zone: MOUNTAIN *

Kf	Adjusted Average Annual RUSLE K
.02	.02
.05	.05
.10	.08
.15	.12
.17	.15
.20	.17
.24	.20
.28	.22
.32	.26
.37	.30
.43	.35
.49	.40
.55	.46
.64	.52

The average Annual RUSLE K factors from this table are for soil erosion calculations prior to the installation of the computerized version of RUSLE in FOCS.

Step 1 - Obtain Kf for each soil from the Kf factor column in the RUSLE Soil Data Report.

Step 2 - Read the Adjusted Average Annual RUSLE K that corresponds to the Kf Factor obtained in step 1. This is the K value to use in RUSLE calculations for estimated soil loss.

* The Kf value must be chosen from the table for the physiographic region in which the soil is located.

Table 3

AVERAGE ANNUAL RUSLE K FACTORS
C/K Factor Zone: PIEDMONT *

Kf	Adjusted Average Annual RUSLE K
.02	.02
.05	.05
.10	.08
.15	.12
.17	.15
.20	.17
.24	.20
.28	.22
.32	.26
.37	.30
.43	.35
.49	.40
.55	.46
.64	.52

The average Annual RUSLE K factors from this table are for soil erosion calculations prior to the installation of the computerized version of RUSLE in FOCS.

Step 1 - Obtain Kf for each soil from the Kf factor column in the RUSLE Soil Data Report.

Step 2 - Read the Adjusted Average Annual RUSLE K that corresponds to the Kf Factor obtained in step 1. This is the K value to use in RUSLE calculations for estimated soil loss.

* The Kf value must be chosen from the table for the physiographic region in which the soil is located.

Table 4

AVERAGE ANNUAL RUSLE K FACTORS
C/K Factor Zone: COASTAL PLAINS *

Kf	Adjusted Average Annual RUSLE K
.02	.02
.05	.05
.10	.08
.15	.10
.17	.12
.20	.15
.24	.17
.28	.22
.32	.24
.37	.28
.43	.32
.49	.37
.55	.43
.64	.49

The average Annual RUSLE K factors from this table are for soil erosion calculations prior to the installation of the computerized version of RUSLE in FOCS.

Step 1 - Obtain Kf for each soil from the Kf factor column in the RUSLE Soil Data Report.

Step 2 - Read the Adjusted Average Annual RUSLE K that corresponds to the Kf Factor obtained in step 1. This is the K value to use in RUSLE calculations for estimated soil loss.

* The Kf value must be chosen from the table for the physiographic region in which the soil is located.

Slope Length and Steepness (LS) Factors

The slope length factor L computes the effect of slope length on erosion and the slope steepness factor S computes the effect of slope steepness on erosion.

What L and S Represent: Sheet and rill erosion is composed of two components, interrill erosion that is caused primarily by raindrop impact, and rill erosion that is caused primarily by surface runoff.

Interrill erosion is nearly uniform along a slope. Rill erosion increases as runoff rate increases along a slope. If soil loss is entirely produced by rill erosion, the L factor will increase with slope length.

Choice of LS Table: *RUSLE* uses one of three tables (sets of equations) to compute LS values. The choice of a table is based on the ratio of rill to interrill erosion. In North Carolina, the following tables will be used: Table 4-1 (used for pastureland and for cropland after 4 years of continuous no-till), Table 4-2 (used for other cropland), and Table 4-3 (used for construction sites and mine spoil).

Selection of Landscape Profiles: *RUSLE* computes average soil loss for the selected landscape profile. Many landscape profiles exist in a field, and thus a user has to choose one or more profiles for the *RUSLE* computation. In conservation planning, the slope profile representing a significant portion of the field having the most severe erosion is often chosen. This profile is usually in the steep areas of the field.

When an average soil loss estimate is made for the field, soil loss is computed for several profiles, and the individual soil loss values are weighted according to the portion of the field represented by each profile to obtain an average soil loss value for the field or, a representative slope can be selected and used. Average field values are needed when estimating sediment yield for the field or when estimating the soil loss reduction for an entire field.

An average soil loss computed with *RUSLE* for the field is not sediment yield from the field but is an estimate of the total sediment production on the field by sheet and rill erosion. Sediment yield from a field can be much less than the average soil loss for the field if much deposition occurs. If much ephemeral gully erosion occurs, sediment yield can be much greater than the sheet and rill erosion estimated by *RUSLE*. Ephemeral gully erosion is not included in the *RUSLE* estimate.

Determining Slope Length: The definition of slope length is the distance from the origin of overland flow along its flow path to the location of either concentrated flow or deposition. Sometimes these features are not readily apparent, and as a result, different users determine different slope lengths for the same general landscape profile. Fortunately, computed soil loss values are not especially sensitive to slope length and differences in slope length of ± 10% are not important on most slopes, especially flat landscapes. Slope steepness is more sensitive to soil loss values than slope length. Therefore, accuracy in determining slope steepness is required.

To determine slope steepness, we must be careful to locate the slope direction. The following procedure is suggested:

> About one-third to one-half down the slope, set two flags at the same elevation about 50 feet apart. Visualize a line between these two flags. The slope direction runs at a right angle to this line.
>
> Now determine slope steepness, using abney, hand, or dumpy level, or other instruments. Be certain that the instrument used is accurate. Readings must be taken along the slope direction.

Slope lengths are best determined by visiting the site, pacing out flow paths, and making measurements directly on the ground. Contour maps having intervals greater than 2-ft should be used cautiously, if at all, to determine slope lengths. Slope length values are generally too long when contour maps are used to choose slope length.

Slope lengths in North Carolina usually do not exceed 400 ft. Slope lengths longer than 1,000 ft should not be used in *RUSLE* because the reliability of *RUSLE* at these long slope lengths is questionable, and flow becomes concentrated on most landscapes before such long slope lengths.

Locations of deposition are often apparent on cropland immediately after a rainstorm. The main areas of deposition that end a *RUSLE* slope length are those on concave slopes. Deposition in row middles and in depressions like those left by tillage may not be slope-ending depositional areas. If no signs of deposition are present, the user will have to visualize where deposition occurs. The location and steepness where deposition begins depend on the degree of slope curvature. For example, no slope-ending deposition occurs on uniform slopes, and if a slope changes from 4 percent to 2 percent, most likely the 2 percent area would not be a slope-ending depositional area. However, if the steepness upslope from the 2 percent area is 6 percent or more, the 2 percent area is most likely a slope-ending depositional area. If the upslope area is as steep as 10 percent, the slope-ending area may be as steep as 3 percent. The slope-ending depositional area on a concave slope is usually below where the slope begins to flatten. That is, unless the slope flattens significantly, deposition does not occur.

Another difficulty is determining if a channel is a concentrated flow channel that ends a *RUSLE* slope length. If the channels on the landscape are parallel, these channels are considered to be rills regardless of depth, and the erosion in them is estimated by *RUSLE*. One exception is where a single channel parallel to many rills collects runoff from an upslope area that would ordinarily have been distributed among several rills. Channels that collect the flow from numerous rills are generally considered to be slope ending concentrated flow channels.

Contouring redirects surface runoff from a direct downslope path to a path following the tillage marks around the slope. The *RUSLE* procedure for determining slope length for these types of conditions is to visualize the downslope flow path as if the ridges do not redirect the flow.

Tables 4-1, 4-2, 4-3 provide guidance for determining the appropriate LS factor for the site depending on the land use to which the erosion rate applies.

Table 4-1.
Values for topographic factor, LS, for low ratio of rill to interrill erosion, such as for long-term no-till and other 4 yrs/more Continuous No-till **consolidated soil conditions with cover (applicable to thawing soil where both interrill and rill erosion are significant).**

	Slope length in feet																
Slope percent	< 3	6	9	12	15	25	50	75	100	150	200	250	300	400	600	800	1000
0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.5	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
1.0	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.17
2.0	0.20	0.20	0.20	0.20	0.20	0.21	0.23	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.33	0.34	0.35
3.0	0.26	0.26	0.26	0.26	0.26	0.29	0.33	0.36	0.38	0.40	0.43	0.44	0.46	0.48	0.52	0.55	0.57
4.0	0.33	0.33	0.33	0.33	0.33	0.36	0.43	0.46	0.50	0.54	0.58	0.61	0.63	0.67	0.74	0.78	0.82
5.0	0.38	0.38	0.38	0.38	0.38	0.44	0.52	0.57	0.62	0.68	0.73	0.78	0.81	0.87	0.97	1.04	1.10
6.0	0.44	0.44	0.44	0.44	0.44	0.50	0.61	0.68	0.74	0.83	0.90	0.95	1.00	1.08	1.21	1.31	1.40
8.0	0.54	0.54	0.54	0.54	0.54	0.64	0.79	0.90	0.99	1.12	1.23	1.32	1.40	1.53	1.74	1.91	2.05
10.0	0.60	0.63	0.65	0.66	0.68	0.81	1.03	1.19	1.31	1.51	1.67	1.80	1.92	2.13	2.45	2.71	2.93
12.0	0.61	0.70	0.75	0.80	0.83	1.01	1.31	1.52	1.69	1.97	2.20	2.39	2.56	2.85	3.32	3.70	4.02
14.0	0.63	0.76	0.85	0.92	0.98	1.20	1.58	1.85	2.08	2.44	2.73	2.99	3.21	3.60	4.23	4.74	5.18
16.0	0.65	0.82	0.94	1.04	1.12	1.38	1.85	2.18	2.46	2.91	3.28	3.60	3.88	4.37	5.17	5.82	6.39
20.0	0.68	0.93	1.11	1.26	1.39	1.74	2.37	2.84	3.22	3.85	4.38	4.83	5.24	5.95	7.13	8.10	8.94
25.0	0.73	1.05	1.30	1.51	1.70	2.17	3.00	3.63	4.16	5.03	5.76	6.39	6.96	7.97	9.65	11.04	12.26
30.0	0.77	1.16	1.48	1.75	2.00	2.57	3.60	4.40	5.06	6.18	7.11	7.94	8.68	9.99	12.19	14.04	15.66
40.0	0.85	1.36	1.79	2.17	2.53	3.30	4.73	5.84	6.78	8.37	9.71	10.91	11.99	13.92	17.19	19.96	22.41
50.0	0.91	1.52	2.06	2.54	3.00	3.95	5.74	7.14	8.33	10.37	12.11	13.65	15.06	17.59	21.88	25.55	28.82
60.0	0.97	1.67	2.29	2.86	3.41	4.52	6.63	8.29	9.72	12.16	14.26	16.13	17.84	20.92	26.17	30.68	34.71

Table 4-2.
Values for topographic factor, LS, for moderate ratio of rill to interrill erosion, such as for row-cropped agricultural and other moderately consolidated soil conditions with little to moderate cover (not applicable to thawing soil) For Coventional Tillage

	Slope length in feet																
Slope percent	<3	6	9	12	15	25	50	75	100	150	200	250	300	400	600	800	1000
0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
0.5	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10
1.0	0.11	0.11	0.11	0.11	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.20
2.0	0.17	0.17	0.17	0.17	0.17	0.19	0.22	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.41	0.44	0.47
3.0	0.22	0.22	0.22	0.22	0.22	0.25	0.32	0.36	0.39	0.44	0.48	0.52	0.55	0.60	0.68	0.75	0.80
4.0	0.26	0.26	0.26	0.26	0.26	0.31	0.40	0.47	0.52	0.60	0.67	0.72	0.77	0.86	0.99	1.10	1.19
5.0	0.30	0.30	0.30	0.30	0.30	0.37	0.49	0.58	0.65	0.76	0.85	0.93	1.01	1.13	1.33	1.49	1.63
6.0	0.34	0.34	0.34	0.34	0.34	0.43	0.58	0.69	0.78	0.93	1.05	1.16	1.25	1.42	1.69	1.91	2.11
8.0	0.42	0.42	0.42	0.42	0.42	0.53	0.74	0.91	1.04	1.26	1.45	1.62	1.77	2.03	2.47	2.83	3.15
10.0	0.46	0.48	0.50	0.51	0.52	0.67	0.97	1.19	1.38	1.71	1.98	2.22	2.44	2.84	3.50	4.06	4.56
12.0	0.47	0.53	0.58	0.61	0.64	0.84	1.23	1.53	1.79	2.23	2.61	2.95	3.26	3.81	4.75	5.56	6.28
14.0	0.48	0.58	0.65	0.70	0.75	1.00	1.48	1.86	2.19	2.76	3.25	3.69	4.09	4.82	6.07	7.15	8.11
16.0	0.49	0.63	0.72	0.79	0.85	1.15	1.73	2.20	2.60	3.30	3.90	4.45	4.95	5.86	7.43	8.79	10.02
20.0	0.52	0.71	0.85	0.96	1.06	1.45	2.22	2.85	3.40	4.36	5.21	5.97	6.68	7.97	10.23	12.20	13.99
25.0	0.56	0.80	1.00	1.16	1.30	1.81	2.82	3.65	4.39	5.69	6.83	7.88	8.86	10.65	13.80	16.58	19.13
30.0	0.59	0.89	1.13	1.34	1.53	2.15	3.39	4.42	5.34	6.98	8.43	9.76	11.01	13.30	17.37	20.99	24.31
40.0	0.65	1.05	1.38	1.68	1.95	2.77	4.45	5.87	7.14	9.43	11.47	13.37	15.14	18.43	24.32	29.60	34.48
50.0	0.71	1.18	1.59	1.97	2.32	3.32	5.40	7.17	8.78	11.66	14.26	16.67	18.94	23.17	30.78	37.65	44.02
60.0	0.76	1.30	1.78	2.23	2.65	3.81	6.24	8.33	10.23	13.65	16.76	19.64	22.36	27.45	36.63	44.96	52.70

Table 4-3.
Values for topographic factor, LS, for high ratio of rill to interrill erosion, such as for freshly prepared construction and other highly disturbed soil conditions with little or no cover (not applicable to thawing soil)

	Slope length in feet																
Slope percent	<3	6	9	12	15	25	50	75	100	150	200	250	300	400	600	800	1000
0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0.5	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.12	0.12	0.13
1.0	0.09	0.09	0.09	0.09	0.09	0.10	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.22	0.24	0.26	0.27
2.0	0.13	0.13	0.13	0.13	0.13	0.16	0.21	0.25	0.28	0.33	0.37	0.40	0.43	0.48	0.56	0.63	0.69
3.0	0.17	0.17	0.17	0.17	0.17	0.21	0.30	0.36	0.41	0.50	0.57	0.64	0.69	0.80	0.96	1.10	1.23
4.0	0.20	0.20	0.20	0.20	0.20	0.26	0.38	0.47	0.55	0.68	0.79	0.89	0.98	1.14	1.42	1.65	1.86
5.0	0.23	0.23	0.23	0.23	0.23	0.31	0.46	0.58	0.68	0.86	1.02	1.16	1.28	1.51	1.91	2.25	2.55
6.0	0.26	0.26	0.26	0.26	0.26	0.36	0.54	0.69	0.82	1.05	1.25	1.43	1.60	1.90	2.43	2.89	3.30
8.0	0.32	0.32	0.32	0.32	0.32	0.45	0.70	0.91	1.10	1.43	1.72	1.99	2.24	2.70	3.52	4.24	4.91
10.0	0.35	0.37	0.38	0.39	0.40	0.57	0.91	1.20	1.46	1.92	2.34	2.72	3.09	3.75	4.95	6.03	7.02
12.0	0.36	0.41	0.45	0.47	0.49	0.71	1.15	1.54	1.88	2.51	3.07	3.60	4.09	5.01	6.67	8.17	9.57
14.0	0.38	0.45	0.51	0.55	0.58	0.85	1.40	1.87	2.31	3.09	3.81	4.48	5.11	6.30	8.45	10.40	12.23
16.0	0.39	0.49	0.56	0.62	0.67	0.98	1.64	2.21	2.73	3.68	4.56	5.37	6.15	7.60	10.26	12.69	14.96
20.0	0.41	0.56	0.67	0.76	0.84	1.24	2.10	2.86	3.57	4.85	6.04	7.16	8.23	10.24	13.94	17.35	20.57
25.0	0.45	0.64	0.80	0.93	1.04	1.56	2.67	3.67	4.59	6.30	7.88	9.38	10.81	13.53	18.57	23.24	27.66
30.0	0.48	0.72	0.91	1.08	1.24	1.86	3.22	4.44	5.58	7.70	9.67	11.55	13.35	16.77	23.14	29.07	34.71
40.0	0.53	0.85	1.13	1.37	1.59	2.41	4.24	5.89	7.44	10.35	13.07	15.67	18.17	22.95	31.89	40.29	48.29
50.0	0.58	0.97	1.31	1.62	1.91	2.91	5.16	7.20	9.13	12.75	16.16	19.42	22.57	28.60	39.95	50.63	60.84
60.0	0.63	1.07	1.47	1.84	2.19	3.36	5.97	8.37	10.63	14.89	18.92	22.78	26.51	33.67	47.18	59.93	72.15

Cover-Management (C) Factor

The cover-management factor C represents the effect of plants, soil cover, soil biomass, and soil disturbing activities on erosion. *RUSLE* uses a subfactor method to compute soil loss ratios, which are the ratios of soil loss at any given time in a cover-management sequence to soil loss from the unit plot that is clean-tilled, bare, and uncrusted. Soil loss ratios vary with time as canopy, ground cover, roughness, soil biomass, and consolidation change. A C factor value is an average soil loss ratio weighted according to the R distribution during the year. The subfactors used to compute a soil loss ratio value are crop canopy, surface cover, surface roughness, prior land use, and antecedent soil moisture.

Nearly all the C values which follow were calculated to reflect a time-varying value. Crop and soil parameters do change with time due to either specific management practices or natural cyclic effects such as winter knockdown and spring growth. This demands that the SLR values be calculated frequently enough over the course of a year or a crop rotation ro provide an adequate measure of how they change. This is especially important because the erosion potential is also changing with time. The calculated average annual soil loss should be high if a cropping or management scheme happens to leave the soil susceptible to erosion at a time of high rainfall erosivity. USLE incorporated this effect into calculations of SLR values based on crop-growth stages. These values were usually assigned based on tillage type, elapsed time since a tillage operation, canopy development, and date of harvest.

Following the lead of the USLE approach, *RUSLE* calculations are based on a 15-day time step. This means that SLR values are calculated every 15 days throughout the year, and that the important parameters are assumed to remain constant during those 15 days. If a management operation occurs within the period, the parameters can no longer be assumed constant, the half-month period is then broken into two segments and two SLR values are calculated.

A few C factors were calculated using average annual values. This is appropriate when a soil has ceased to be disturbed through cultivation. Soils which have been continuously no-tilled with significant surface residues will re-consolidate in about four years. With more water-stable aggregates at the surface and greater infiltration resulting from long-term no-till, it is appropriate to use an average annual C value, as the erosive potential changes little throughout the years.

Cropping Systems: A cropping system is constructed in *RUSLE* by first selecting the crops in the rotation. For each crop, a list of operations is constructed including the dates of the operations. The complete set of crops and operations for each crop constitutes a cover-management system. Cover-management systems have been developed for some systems commonly used in North Carolina. Refer to the listings of the appropriate C-factor to use for each cropping system grouped by geographic regions.

The C values (or soil loss ratios) which follow are only briefly described. A user who needs more detailed information (such as crop yields, dates and types of soil disturbing activity, etc.) can obtain a full set of support data from the State Conservation Agronomist for NRCS. Provide the file name for each system for which such information is desired.

One of the most effective methods of reducing soil loss is the use of a system which has a low C value. The tables which follow will help the user determine the minimum C value needed to achieve various soil losses. For example, if the product of RxKxLSxP=30, then the minimum C value to achieve a soil loss of 5 is .17; or .13 if the soil loss is to be reduced to 4. Then it is a simple matter to find a C value which is equal to or less than the necessary value.

Table 5

MAXIMUM C FACTOR FOR TOLERANCE

RKLSP	Tolerance 2	3	4	5
3	.67	1.00		
4	.50	.75	1.00	
5	.40	.60	.80	1.00
6	.33	.50	.67	.83
7	.29	.43	.57	.71
8	.25	.38	.50	.63
9	.22	.33	.44	.56
10	.20	.30	.40	.50
11	.18	.27	.36	.45
12	.17	.25	.33	.42
13	.15	.23	.31	.38
14	.14	.21	.29	.36
15	.13	.20	.27	.33
16	.13	.19	.25	.31
17	.12	.18	.24	.29
18	.11	.17	.22	.28
19	.11	.16	.21	.26
20	.10	.15	.20	.25
21	.10	.14	.19	.24
22	.09	.14	.18	.23
23	.09	.13	.17	.22
24	.08	.13	.17	.21
25	.08	.12	.16	.20
30	.07	.10	.13	.17
35	.06	.09	.11	.14
40	.05	.08	.10	.13
45	.04	.07	.09	.11
50	.04	.06	.08	.10
75	.03	.04	.05	.07
100	.02	.03	.04	.05
250	.01	.01	.02	.02
500	.01	.01	.01	.01
1000	.002	.003	.004	.005

Table 6 (Revised 3/00)
RUSLE "C" Values – Coastal Plain

#	FILE NAME	No. of Yrs.	DESCRIPTION	"C" VALUE
1	CTBCNCV1	1 yr.	Cont. tobacco, no cover, moldboard plow	.387
2	CPTOBCON	1 yr.	Conv. tobacco, sp chisel, no winter cover	.367
3	CCTCNCV	1 yr.	Cotton, no wc, spring plow, conv.	.340
4	CTBSPWC	2 yrs.	Tob. (wc), sweet potato (wc), all conv.	.300
5	CCTWCV	1 yr.	Cotton, winter cover, conv.	.298
6	CCTWTBW	2 yrs.	Cotton (wc), tob. (wc), all conv.	.293
7	CPTOBCWC	1 yr.	Conv. tobacco, sp plow, winter cover	.282
8	CCTPC	2 yrs.	1-Conv. peanut rd left, 2-conv. cotton no wc, fall disking all crops	.256
9	COWSBHT	2 yrs.	1-SG Soybeans 2-tob. All conv. cult. straw baled	.255
10	CCTCRPCV	3 yrs.	Cotton, corn, peanuts, all conv, fall disk before each crop. Bale peanut hay	.249
11	CCTCRWC	2 yrs.	1-Cotton, strip-till, cult. (wc) 2-corn, NT (wc)	.227
12	CPCRSP	3 yrs.	1-Corn, 2-peanuts, 3-cotton, all rd left sp. plow	.219
13	CTBWCRB	3 yrs.	Tobacco (wc), corn, soybeans, all conv. spring plow	.215
14	CWC	2 yrs.	Wheat straw left, cotton, conv.-till	.211
15	CTBTBWF	3 yrs,	Conv. tobacco (wc), conv. tobacco, wheat (fescue)	.210
16	CCSTW60	1 yr.	Cotton, strip-till on beds planted to wheat mid-Dec., wheat killed mid-March	.206
17	PSCC	3 yrs.	1-Conv. peanuts, rd baled(wc) mid-December, 2-Strip-till cotton-45% cover, 3-Strip-till cotton 30% cover-12" strip each year.	.197
18	PBSTCD	2yrs.	1-Conv. peanut, rd baled, wc, mid Dec., 2-Strip-till cotton	.191
19	CTOBFES4	4 yrs.	Conv. tobacco (wc), conv. tobacco, wheat (fescue), fescue-straw baled	.185
20	PBBSC	2 yrs.	1-Conv. peanut (wc) 2-strip-till cotton 50% ground cover, peanut rd baled	.185
21	CTBWCRNT	2 yrs.	Conv. tobacco (wc), no-till corn with 82% ground cover after plant spring plow for tobacco	.183
22	CCRCNCV	1 yr.	Corn, conv. spring plow	.179
23	PSTC	2 yr.	1-Conv. peanut rd baled (wc) mid-Nov., 2-Strip-till cotton-45% cover 12" strip	.177
24	PRBSTCD	2 yrs.	1-Conv. peanuts (rd left, wc mid-Dec) 2-Cotton, strip-till 45% cover	.174
25	CTOBFES2	2 yrs.	Conv. tobacco, sg (fescue). straw baled	.170
26	CCTCRPNT	3 yrs.	Conv. cotton, (NT cover), not-till corn, conv. peanuts. Fall disk ahead of cotton and peanuts. 84% ground cover after plant corn	.169
27	CTOBW	2 yrs.	Conv. tobacco, wheat, no straw baled. Spring plow	.166
28	PSTCRL	2 yrs.	1-Conv. peanut rd-left, wc-mid-Nov, 2-Strip-till cotton-45% cover 12" strips	.162

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Table 6 Continued

#	FILE NAME	No. of Yrs.	DESCRIPTION	"C" VALUE
29	CNTCCPWC	3 yrs.	Corn, conv. fall disk, peanuts, wc, cotton no-till	.159
30	PRLBSTC	2 yrs.	1-Conv. peanut (rd left, wc-mid-Nov.) 2-Cotton strip-till 70% cover	.148
31	STCBC	2 yrs.	1-Peanut 2-Cotton, cover after peanut, rd left, both strip-till	.144
32	CCCCWNTB	2 yrs.	Conv. corn (fall disk), Wheat (bale straw), no-till soybeans	.143
33	CWP	2 yrs.	Wheat (straw left), peanut conv. till	.137
34	PRLNTC	2 yrs.	1-Conv. peanut (rd-left, wc mid-Nov.) 2-Cotton NT 80% cover	.136
35	PSTPBCF3	2 yrs.	1-Peanuts, 2-cotton, wc after each Oct. 23, both strip-till-45% cover	.132
36	CNTCC	3 yrs.	1-Conv. peanut (wheat cover) 2-NT cotton (wc) 3-NT cotton. Peanut rd left	.132
37	CNTWP	2 yrs.	1-Wheat NT into peanut rd, 2-Conv. peanuts	.128
38	STPCBD	2 yrs.	1-Peanut 2-Cotton cover after peanut, rd left. Both no-till	.126
39	CCCWSSNB	2 yrs.	Conv. corn (sp chisel), wheat (bale straw), no-till soybeans	.120
40	NTCCC	4 yrs.	1-Conv. peanut (wc) 2-NT cotton (wc) 3-NT cotton (wc) (wc) 4-NT cotton (cover after cotton NT)	.120
41	CWSSNB	2 yrs.	1-Conv. corn 2-conv. wheat (NT beans) straw baled	.120
42	CCNTWC90	1 yr.	Cotton, no-till into wheat cover plntd Nov. with conv. seedbed. Wheat killed 4/20	.117
43	CPCCNT	3 yrs.	1-NT corn 2- conv. peanuts 3-NT cotton cover crops after peanut and cotton	.116
44	CCBNTWB	2 yrs.	1-Conv. drilled beans 2-NT wheat (NT beans) straw baled	.114
45	NTPBCF3	2 yrs.	1-Peanuts, 2-Cotton, wc after each Oct. 23, both no-till-60% cover	.112
46	CCCSWNB	2 yrs.	Conv. corn (sp chisel), conv. wheat (no straw baled), no-till soybeans	.103
47	BNTWRB	2 yrs.	1-Conv. drilled beans 2-NT wheat (NT beans) straw left	.096
48	CCRWBNT	2 yrs.	Corn, conv. sp plow; wheat into corn rd with 40% cover after drill; NT beans after wheat with 76% ground cover after drill	.094
49	CCSTWCNT	2 yrs.	Cotton, strip-till into corn rd and leaving 42% ground cover after plant; conv. winter cover, no-till corn into 92% ground cover killed at corn planting time	.080
50	CCNTW90	1 yr.	Cotton, no-till into wheat cover plntd in Nov. without soil disturbance. Wheat killed 4/20	.079
51	CCWBNTTP	6 yrs.	Corn-wheat (beans) NT thru 2 cycles, then conv. corn 5th year	.049
52	CCRWBNT2	2 yrs.	Corn, no-till into sg (soybean residue, 53% cover after plant. Wheat drilled into corn rd after disking: 38% rd after drill, beans after wheat NT with 76% ground cover after planting	.043
53	CLTNT	1 yr.	Cotton, NT in NT wheat cover 90% cover	.032
54	CCWBNTC	2 yrs.	Corn, wheat (soybeans) all no-till, after 4 yrs. No residue removed	.018
55	TNTWC	2 yrs.	Wheat, cotton no straw removed long-term no-till	.018

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Table 7 (Revised 3/00)
RUSLE "C" Values – Piedmont

#	FILE NAME	No. of Yrs.	DESCRIPTION	"C" VALUE
1	PTOBCFP	1 yr.	Cont. conv. tob. fall plow	.369
2	PTTW	3 yrs.	1-tob(cover crop) 2-tobacco, 3-Wheat, (fescue)-strawbaled	.363
3	BTW	2 yrs.	1-Beets, turnips 2-weeds-disk after beets	.358
4	PCSC	1 yr.	Conv. silage corn, sp plow, no cover	.353
5	BTWND	2 yrs.	1-Beets, turnips 2- Weeds no disk after beets	.325
6	PTOBWC	1 yr.	Cont. tob. with winter cover	.244
7	PTTWF	4 yrs.	1-tob(cover crop) 2-tobacco, 3-Wheat, 4-Wheat(fescue)-all strawbaled	.239
8	BWTGW	2 yrs.	1-Beets (weeds) 2-Turnip grazed no disk after beets	.231
9	PFPTCNTC	2 yrs.	Fall plow for tob. cover crop, no-till corn	.228
10	PCSCWC	1 yr.	Corn silage w/sg cover, all conventional	.217
11	PTWNBSBF	2 yrs.	1-tob.(fall plow), 2-Wheat (straw-baled)	.210
12	BWTWND	2 yrs.	1-Spring Beets (weeds, turnips) 2-Weeds no disk after beets	.205
13	PSPTCNTC	2 yrs.	Spring plow for tob. cover crop, no-till corn	.191
14	PTOBWWFP	2 yrs.	Tob., wheat (weeds), fall plow, no straw baled	.190
15	PTOBNT30	1 yr.	No-till tob. into conv. planted sg cover, 25% gr cover after plntd tob.	.187
16	PCNTW30	1 yr.	Cont no-till cotton into sg wc, cover crop plntd conv. 27% gr cover after plant cotton	.186
17	PTOBWWSB	2 yrs.	1-tob.(spring plow), 2-Wheat (weeds-straw baled)	.183
18	PTWNTBFP	2 yrs.	Tob., wheat (no-till soybeans), fall plow, no straw baled	.178
19	PCWSNTCS	1 yr.	No-till corn plntd into sg cover crop conv. planted, sg removed as silage, 24% gr cover after plntd corn	.177
20	PTTWBNTC	4 yrs.	Tob., (wc) tob, wheat (NT soybeans drilled with 75% gr cover), NT corn, fall plow, no straw removed	.176
21	TOBFES2	2 yrs.	Tob, sg (fescue), straw baled	.163
22	TOBFES4	4 yrs.	Tob (wc), tob, sg (fescue), fescue, Grain straw baled	.161
23	PTOBW2	2 yrs.	Tob, sg, no straw baled, spring plow	.159
24	PTTWBNCS	4-yrs.	Tob (winter cover) tob, wheat (NT beans drilled with 75% ground cover), NT corn with75% ground cover after plntd-No straw removed, sp plow	.158
25	PTNCNC	3 yrs.	1-tob(w.c.), 2-NT cotton(w.c.), 3-NT cotton(w.c.)	.155
26	PCSTW60	1 yr.	Cont. strip-till cotton into conv. plntd wheat cover, 40% gr cover after plntd cotton	.153
27	PCSTS-14	1 yr.	Cont. strip-till cotton into cotton rd., clean strip 8-14 inches wide. 23% gr cover after plntd cotton	.152
28	PTTWFNCF	4-yrs.	Tob(winter cover) tob, wheat (fescue) NT corn. 91% ground cover after plntd corn. No straw removed, fall plow	.152
29	PTOBWW	2 yrs.	Tob, wheat (weeds), spring plow, no straw baled	.150
30	PTOBWNTB	2 yrs.	Tob, wheat (no-till beans) spring plow, no straw baled	.143

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