Miami Conservancy District Nutrient Trading Program

Guidance for Estimating Soil Loss and Calculating Load Reductions

In order to calculate pollutant load reductions for agricultural field and filter strip practices soil loss must be estimated for the areas where conservation practices are to be applied. The load reduction spreadsheet (U.S. EPA Region 5 model) is set up to use soil loss factors for the revised universal soil loss equation (RUSLE). USDA-NRCS no longer uses RUSLE to calculate soil loss; rather a newer version RUSLE 2 is used to estimate soil losses. For the purposes of the Miami Conservancy District Nutrient Trading Program soil loss will be estimated using RUSLE factors and not RUSLE 2 factors. To make things easier, this guidance document along with the relevant maps and tables provides you with the necessary information for estimating soil loss and calculating pollution load reductions.

A copy of the load reduction spreadsheet commonly referred to, as the Region 5 Model is available at:
http://www.ohiodnr.com/soilandwater/programs/agpollutionabate/default/tabid/8856/Default.aspx

Guidance for using the load reduction spreadsheet

The agriculture fields and filter strips sheet is the most commonly used for calculating soil loss and estimating sheet and rill erosion. This sheet should be used to perform the necessary calculations for agricultural BMPs that reduce sheet and rill erosion. Some example BMPs include: no-till, conservation tillage, crop rotation, cover crops, pasture/hayland establishment and filter strips.

1. The first step in beginning to calculate soil loss and estimate load reductions is to determine the agricultural BMP that will be applied. The spreadsheet has check boxes for agricultural field practices and filter strips. Check the box that applies. If you have a situation where filter strips and agricultural field BMPs (example: No-till) are being applied to the same field, separate calculations should be made for the filter strip practice and the no-till practice.

2. Select the appropriate state and county from the pull down menu. Once selected you will notice that the tables in the spreadsheet will be populated with default county data. IMPORTANT: The default data will need to be replaced with field specific data that you will need to provide.

3. USLE or RUSLE Table- This table is used to estimate and evaluate soil loss before/after conditions. Use the guidance below to fill in the information needed

    a. R- Rainfall Runoff Factor use the R factor for your county from the table below.

County	R Factor	Zone
Butler	150	103B
Champaign	125	103A
Clark	130	103A

Darke	130	103A
Greene	135	103B
Logan	120	103A
Mercer	125	103A
Miami	130	103A
Montgomery	140	103B
Preble	140	103B
Shelby	125	103A
Warren	145	103B

b. K- Soil Erodibility Factor represents the susceptibility of soil to erosion and the amount and rate of runoff. To determine the K factor to use identify the most predominant soil type of the area where agricultural BMPs are to be applied. For the purposes of the trading program, use only one predominant soil type; do not use an average among the soil types present. Once you have determined the predominant soil type you can look up the Kf factor for this soil. This information can be found in the County Slope & Length info at the end of this document. Once you open the conservation planning data file look up the predominant soil type and record the Kf factor for the soil type. This factor can be used as the K factor for the spreadsheet calculation. (Note: Also record relative values for slope gradient and slope length from the conservation planning data file. This information will be needed to determine the LS factor).

c. LS- Length Slope Factor represents the slope length and steepness factors. Using the table below you can determine the LS factor. Use the relative values for slope gradient and slope length from the conservation planning data file and then use the chart below to determine the LS factor. Example: slope gradient 2.0% slope length 210' = 0.31 LS factor.

Ohio , FOTG

Table 5.2 – Values for Topographic Factor (LS) for Moderate Ratio Rill to Interrill Erosion (Cropland Conditions)

% Slope	Horizontal Slope Length (feet) *																
	< 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

* The values are based on measuring the length of slope "horizontally" vs. the actual field length of the slope (hypotenuse). However for most measurements the difference for the actual LS value will be vary small. Therefore use these LS values interchangeably whether measuring horizontal or field length

d. C- Cover Management Factor represents the effects of plants, soil cover, biomass, and soil disturbing activities on erosion. To determine the C factor

before and after conditions must be considered. Using the C factor tables below determine the crop sequence and condition after planting. There are two zones in the Great Miami Watershed refer to the table in 3A above to determine the appropriate zone for your county. For agricultural field BMPs you should have 2 C factors, one before the practice was applied and one after the practice is applied.

e. P- Supporting Practice Factor. Only used when contour farming, strip-cropping, and terraces are used. If no of these practices are used the P factor is 1.

4. Entering the contributing area- For agricultural field BMPs the contributing area is the field acreage where BMPs are planned to be applied. For filter strips the contributing area is the watershed acreage that is being treated by installing the filter strip.

5. Soil texture- Check the appropriate soil texture for the predominant soil type used. If you need help determining the soil surface texture you can find the information in the Ohio NRCS eFOTG Section II /Soils Information/Soils Interpretations/Conservation Planning Data.

You have now collected the necessary information to calculate load reductions for agricultural field BMPs and filter strips. Once the information collected is entered into the spreadsheet an estimated load reduction should be automatically calculated.

See example agricultural BMP and filter strip practice for Shelby County.

Table 6 - Ohio C Factor Zone 103 A

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
Corn Grain After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.24	.21	.20	.16	.14	.12	.09	.08	.18	.15	.13	.11	.08	.07	.06	.18	.14	.11	.09	.06	.05	.04	.03	.02	.10
corn silage	.35	.37	.34	.31	.25				.35	.31	.24					.35	.22	.18	.13						.27
corn silage w/cc		.21							.19	.15	.13	.11	.08	.07	.06	.18	.14	.11	.09	.07	.05	.04	.03	.02	.10
soybeans	.36	.30	.34	.28	.23				.28	.24	.21					.26	.20	.13	.09	.07	.06	.05	.04	.03	.20
soybeans w/cc		.23							.21	.18	.14	.11	.09	.08	.07	.19	.15	.12	.09	.07	.06	.05	.04	.03	.11
1 year meadow	.18	.14	.16	.14	.12	.09	.07	.05	.14	.12	.10	.08	.06	.05	.04	.14	.11	.10	.07	.06	.05	.04	.03	.02	
estab. meadow	.17	.11	.17	.15	.13				.10	.09	.08	.06	.05	.04		.10	.08	.07	.06	.05	.04	.03	.02	.01	
wheat	.24	.20	.21	.17	.13	.11	.08	.06	.18	.15	.12	.10	.08	.06	.05	.15	.12	.10	.07	.05	.04	.03	.02	.02	
oats	.30	.24	.27	.23	.18	.14	.09	.08	.21	.19	.16	.13	.11	.08	.06	.21	.18	.15	.11	.08	.07	.06	.05	.04	
sugarbeets	.32	.33	.32	.29					.31	.29						.30	.27								
tobacco	.35	.34	.33	.27					.32	.26						.31	.25								
tobacco w/cc		.20							.20	.18	.16	.13	.11	.09		.20	.17	.14	.11	.09	.07	.05			
wheat/dbl. crop Sb	.22	.18	.19	.15	.13	.11	.09	.07	.17	.14	.11	.10	.08	.07	.06	.17	.13	.10	.08	.06	.05	.04	.03	.02	
Corn Silage After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.27	.20	.24	.17	.14	.12	.09	.08	.19	.16	.13	.11	.09	.07	.06	.19	.15	.12	.08	.06	.05	.04	.03	.02	.10
corn silage	.37	.36	.35	.28	.24				.35	.31	.22					.30	.22	.18	.14						.30
corn silage w/cc		.23							.22	.19	.17	.14	.11	.09	.07	.20	.15	.13	.11	.09	.07	.06	.05	.04	.17
soybeans	.36	.29	.30	.24	.22	.20			.27	.25	.20	.18				.26	.22	.16	.13	.11	.09				.20
soybeans w/cc		.22							.21	.19	.15	.13	.09	.08	.07	.21	.18	.13	.11	.09	.07	.06	.05	.04	.11
1 year meadow	.19	.14	.18	.15	.13	.11			.14	.12	.10					.14	.11	.09	.07	.06	.05	.04	.03	.02	
estab. meadow	.17	.12	.17	.15	.13	.11			.11	.10	.08	.06	.05	.04	.03	.10	.08	.07	.06	.05	.04	.03	.02	.01	
wheat	.25	.21	.23	.18	.14	.11	.09		.19	.16	.12	.10	.08	.06	.05	.17	.12	.08	.06	.05	.04	.03	.02	.01	
oats	.31	.25	.28	.22	.18	.14	.12	.09	.23	.19	.16	.13	.10	.08	.06	.21	.18	.14	.11	.09	.06	.05	.04	.03	
sugarbeets	.32	.32	.31	.29					.32	.29						.30	.28								
tobacco	.36	.36	.35	.30	.25				.35	.30	.25					.32	.27	.22							
tobacco w/cc		.21							.20	.18	.15	.13	.10	.08	.06	.20	.18	.14	.12	.10	.08	.06	.04		
wheat/dbl. crop Sb	.22	.18	.19	.15	.13	.11	.09	.07	.17	.14	.11	.09	.07	.06	.05	.17	.13	.10	.08	.06	.05	.04	.03	.02	

Note: Crops following crops with a cover crops assumes the cover crop is killed or tilled at the 12" - 15" height (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 A

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
Soybeans >20" After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.25	.21	.22	.18	.13	.09	.09	.08	.20	.16	.14	.08	.07	.06	.05	.20	.15	.13	.08	.07	.06	.05	.04	.03	.10
corn silage	.40	.39	.38	.33					.37	.31						.35	.29	.19							.29
corn silage w/cc		.25							.24	.21	.18	.16	.14			.23	.20	.17	.15	.13	.11	.10	.09		.13
soybeans	.38	.31	.36	.30	.22	.19			.30	.26	.21	.18				.27	.21	.15	.12	.09	.07	.05	.03		.16
soybeans w/cc		.25							.24	.20	.14	.11				.23	.19	.14	.10	.08	.06	.05	.04		.11
1 year meadow	.19	.16	.17	.15	.13	.11			.15	.13	.11	.09				.15	.13	.10	.08	.06					
estab. meadow	.18	.11	.17	.14	.12	.10			.11	.09	.07	.05				.11	.09	.07	.05	.04	.03	.02			
wheat	.26	.20	.24	.19	.16	.13	.09		.19	.16	.13	.09	.07			.18	.15	.12	.08	.06	.05	.04	.03		
oats	.33	.25	.31	.25	.20	.14	.11		.24	.19	.16	.13	.11			.23	.18	.15	.12	.09	.06	.05	.04		
sugarbeets	.35	.34	.33	.31					.32	.29						.31	.28								
sugarbeets w/cc		.24							.23	.20	.16	.14				.21	.18	.15	.13	.10	.08	.06	.05		
tobacco	.36	.35	.35	.32					.34	.31						.31	.28								
tobacco w/cc		.20							.18	.16	.13	.11				.17	.15	.13	.11	.09	.07	.06			
wheat/dbl. crop Sb	.22	.18	.20	.17	.14	.11	.09		.17	.15	.12	.10	.08			.16	.13	.10	.08	.06	.05	.04	.03		
Soybeans <20" After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.20	.15	.18	.14	.09	.08	.07	.06	.14	.12	.08	.06	.05	.04	.03	.14	.11	.08	.06	.05	.04	.03	.02	.01	
corn silage	.33	.32	.31	.29	.27				.29	.27	.25					.27	.23	.18	.14						
corn silage w/cc		.18							.18	.16	.15	.13	.11			.17	.15	.14	.12	.10	.08	.07	.06		
soybeans	.29	.22	.27	.22	.16	.14	.12		.21	.17	.15	.13	.11			.20	.17	.14	.11	.09	.07	.05	.04		
soybeans w/cc		.17							.16	.14	.12	.10	.08			.15	.13	.11	.09	.07	.06	.05	.04		
1 year meadow	.17	.15	.16	.13	.11	.09			.15	.12	.10	.08	.06			.14	.11	.09	.07	.06	.05	.04	.03		
estab. meadow	.15	.13	.14	.11	.10	.08			.13	.11	.09	.07	.05			.12	.10	.08	.06	.04	.03	.03	.02		
wheat	.21	.15	.20	.16	.12	.08	.06		.14	.11	.09	.06	.05	.04	.03	.13	.11	.09	.07	.05	.04	.03	.02	.01	
oats	.26	.20	.25	.21	.16	.12	.09	.07	.19	.16	.12	.10	.08	.06	.05	.18	.15	.12	.10	.08	.06	.05	.04		
sugarbeets	.27	.26	.26	.24					.26	.24						.25	.23								
sugarbeets w/cc		.20							.19	.17	.14	.12	.10			.18	.16	.13	.11	.09	.07	.06	.05		
tobacco	.29	.28	.29	.26					.27	.25						.25	.23								
tobacco w/cc		.16							.15	.13	.11					.14	.12	.10	.08	.06	.05	.04	.03	.02	
wheat/dbl. crop Sb	.17	.13	.15	.13	.10	.08	.06	.04	.12	.10	.08	.06	.04			.11	.09	.07	.05	.04	.03	.03	.02		

Note: Crops following crops with a cover crops assumes the cover crop is killed or tilled at the 12" - 15" height (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 A

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
1st Year Meadow After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.14	.10	.12	.10	.08	.06	.05	.04	.10	.08	.06	.05	.04	.03	.02	.10	.07	.05	.04	.03	.02	.01			
corn silage	.23	.21	.22	.18	.16	.14			.20	.16	.14					.18	.15	.13	.10						
corn silage w/cc		.17							.17	.15	.13	.11				.17	.15	.13	.11	.09	.07	.06	.05	.03	
soybeans	.20	.16	.18	.13	.11	.09			.15	.12	.09	.08				.13	.11	.09	.07	.05					
soybeans w/cc		.13							.13	.11	.09	.07				.13	.11	.08	.06	.05	.04	.03			
1 year meadow	.08	.11	.08	.06	.04	.03			.11	.09	.07	.05	.04			.08	.06	.05	.04	.03	.02	.01			
estab. meadow	.07	.09	.07	.06	.05	.04			.08	.07	.06	.05	.04			.07	.06	.05	.03	.02					
wheat	.08	.11	.08	.06	.05	.04	.03		.11	.09	.08	.06	.05			.08	.07	.06	.05	.04	.03	.02	.01		
oats	.10	.12	.10	.08	.06	.05	.04		.12	.10	.09	.08	.07			.10	.09	.08	.07	.06	.05	.04	.03		
sugarbeets	.19	.18	.17	.15					.17	.15						.16	.11								
tobacco	.19	.19	.19	.17					.19	.17						.18	.15								
tobacco w/cc		.15							.15	.13						.14	.12	.10	.08	.06					
wheat/dbl. crop Sb	.12	.08	.10	.08	.06	.04	.03	.02	.08	.06	.04	.03	.02	.01		.08	.06	.04	.03	.02	.01				
Wheat After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.07		.06	.05	.04	.03	.02													.02	.01	.01	.006	.002	
corn silage	.13		.11	.08	.06											.09	.06	.05	.04						
corn silage w/cc																									
soybeans	.11		.10	.08	.06	.04	.03									.09	.08	.06	.04	.03	.03	.02	.01		
soybeans w/cc																									
1 year meadow	.11		.11	.08	.06	.04										.10	.07	.05	.04	.03	.02	.01			
estab. meadow	.08		.08	.05	.04	.03										.08	.05	.04	.03	.02	.01				
wheat																									
oats	.13		.12	.09	.07	.05	.04									.11	.08	.06	.05	.04	.03	.02	.01		
sugarbeets	.09		.09	.07												.09	.07	.05							
tobacco	.10		.09	.07												.09	.07	.05							
tobacco w/cc																									
wheat/dbl. crop Sb																									

Note: First year meadow established at the first optimum planting date after the crop it follows.
For Example, Meadow after corn is spring seeded, meadow after wheats, oats, and meadow are established in the summer for summer tillage and in the spring for spring tillage.

Table 6 - Ohio C Factor Zone 103 A

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING								RIDGE Till
	FALL	SPRG																						
Oats After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.11	.08	.10	.08	.06	.05	.04	.03	.07	.06	.05	.04	.04	.03		.07	.06	.05	.04	.03	.02	.01	.009	.005	
corn silage	.21	.21	.18	.14	.09				.18	.14	.09					.18	.13	.09							
corn silage w/cc																									
soybeans	.17	.13	.16	.13	.09	.07	.05		.13	.10	.08	.06	.05			.12	.10	.08	.06	.04	.02				
soybeans w/cc																									
1 year meadow	.11	.08	.10	.09	.08	.07			.08	.07	.06	.05	.04			.07	.06	.05	.04	.03	.03	.02			
estab. meadow	.10	.07	.09	.08	.07	.06			.07	.06	.05	.04	.03			.07	.06	.05	.04	.03	.02	.01			
wheat	.12	.10	.11	.09	.07	.06	.05		.09	.07	.05	.04	.03			.09	.07	.05	.04	.03	.02	.01			
oats																									
sugarbeets	.16	.15	.15	.13					.15	.13						.14	.12								
tobacco	.21	.21	.21	.19					.21	.18						.20	.16								
tobacco w/cc																									
wheat/dbl. crop Sb	.10	.08	.10	.09	.08	.07	.06		.08	.07	.06	.05	.04	.03		.08	.07	.06	.05	.04	.03	.02	.01		
Sugarbeets After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.25	.21	.23	.19	.16	.14	.12	.10	.20	.18	.15	.13				.20	.18	.15	.12	.10	.08	.06	.05	.04	
corn silage	.40	.39	.39	.37					.38	.36						.37	.34								
corn silage w/cc		.23							.22	.20	.17	.15	.13	.11		.21	.19	.17	.15	.13	.11	.09	.07		
soybeans	.38	.30	.36	.27	.25	.23			.28	.26	.24	.22				.27	.24	.21	.19	.17					
soybeans w/cc		.22							.22	.19	.16	.14				.21	.18	.15	.12	.10	.08	.07	.06		
1 year meadow	.21	.19	.19	.16	.14	.12			.18	.16	.13	.11				.17	.15	.12	.09	.07	.05				
estab. meadow	.18	.12	.19	.17	.14	.12	.10		.12	.10	.09	.07	.06			.11	.10	.09	.08	.07	.06	.05			
wheat	.29	.23	.28	.25	.18	.13	.11		.22	.18	.16	.12	.10	.08		.22	.18	.16	.12	.10	.08	.06			
oats	.32	.26	.30	.26	.19	.14	.12		.24	.19	.17	.13	.11	.09		.24	.19	.17	.13	.11	.09	.08	.07		
sugarbeets																									
tobacco																									
tobacco w/cc																									
wheat/dbl. crop Sb	.20	.17	.19	.16	.14	.12	.10		.16	.14	.12	.10	.08	.06		.15	.13	.11	.09	.07	.05	.03	.01		

Note: Crops following crops with a cover crops assumes the cover crop is killed or tilled at the 12" - 15" height (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 A

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
Tobacco After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.28	.24	.27	.23	.18	.16	.13	.11	.22	.18	.15	.14	.12	.10		.21	.17	.14	.12	.10	.08	.06			
corn silage	.43	.43	.41	.36	.31				.41	.36	.31					.37	.32	.28							
corn silage w/cc		.25							.24	.22	.19	.16	.14	.12		.22	.19	.17	.14	.12	.09	.07	.05		
soybeans	.40	.32	.32	.27	.25				.30	.26	.24					.29	.25	.23	.19						
soybeans w/cc		.22							.21	.18	.14	.12				.20	.18	.15	.12	.09	.06	.04			
1 year meadow	.23	.16	.22	.19	.17				.16	.14	.12					.15	.13	.11	.09	.08	.07	.06	.05		
estab. meadow	.21	.14	.20	.17	.15				.14	.12	.10					.14	.12	.10	.08	.07	.06	.05			
wheat	.28	.24	.26	.21	.17	.14	.11		.22	.17	.15	.13	.10			.19	.15	.13	.10	.08	.06	.05			
oats	.34	.27	.32	.25	.20	.16	.13		.26	.22	.18	.15	.12			.25	.20	.17	.14	.10	.08				
sugarbeets																									
tobacco	.42	.41	.41	.36					.40	.35						.38	.33								
tobacco w/cc		.19							.18	.15	.13	.11				.18	.15	.12	.10	.08					
wheat/dbl. crop Sb	.24	.20	.23	.19	.15	.12			.18	.15	.13	.11				.17	.14	.11	.09	.07	.06	.05			

	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
			<10	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
Wheat w/Double Crop Soybeans >20" After: ("C" Factor for Wheat Establishment - Assumes No Till Double Crop Sb)																									
Soybeans >20"	.12		.11	.09	.07	.06	.05									.08	.07	.06	.05	.04	.04	.03	.02		
Wheat w/Double Crop Soybeans <20" After: ("C" Factor for Wheat Establishment - Assumes No Till Double Crop Sb)																									
Soybeans <20"	.12		.11	.09	.07	.06	.05									.08	.07	.06	.05	.04	.04	.03	.02		

Established Meadow - Use 0.01 for average stands and 0.007 for good to excellent stands.

Note: Crops following crops with a cover crops assumes the cover crop is killed or tilled at the 12" - 15" height (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 A

Continuous No Till "C" Factors (No Till 4 or More Years)

	No Till % Cover After Planting									
No Till Corn Grain After:	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
Corn Grain					.026	.02	.015	.01	.005	
Corn Silage	.21	.16	.12							
Corn Silage w/cc					.06	.047	.034	.02		
Soybeans			.09	.078	.066	.05	.035			
Soybeans w/cc				.055	.042	.03	.02	.009		
Wheat				.05	.034	.025	.015	.008		

	No Till % Cover After Planting									
No Till Corn Silage After:	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
Corn Grain				.035	.026	.02	.016	.01		
Corn Silage	.21	.17	.13							
Corn Silage w/cc				.085	.073	.06	.051	.04		
Soybeans		.182	.14	.11	.078	.06				
Soybeans w/cc				.06	.046	.033	.029	.021	.013	
Wheat					.039	.03	.02	.01		

	No Till % Cover After Planting									
No Till Soybeans After:	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
Corn Grain					.03	.019	.009	.006		
Corn Silage	.20	.15	.12							
Corn Silage w/cc				.079	.063	.055	.041			
Soybeans			.071	.057	.043	.033				
Soybeans w/cc				.05	.038	.025	.01			
Wheat						.035	.031	.028		

	No Till % Cover After Planting									
No Till Wheat After:	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
Corn Grain					.011	.008	.005	.003		
Corn Silage	.08	.054	.04	.023						
Corn Silage w/cc										
Soybeans					.023	.019	.016	.013	.01	
Soybeans w/cc										
Wheat										

	No Till % Cover After Planting									
No Till Alfalfa After:	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
Corn Grain				.025	.015	.01	.008	.006		
Corn Silage	.14	.12	.10							
Corn Silage w/cc										
Soybeans				.06	.038	.026	.015	.01		
Soybeans w/cc										
Wheat				.03	.018	.011	.008	.006		

Note: Crops following crops with a cover crops assumes the cover crop is killed or tilled at the 12" - 15" height (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 B

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE TILL
	FALL	SPRG																							
Corn Grain After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.27	.23	.24	.18	.15	.13	.11	.09	.20	.17	.14	.11	.08	.07	.06	.20	.15	.11	.09	.08	.06	.04	.03	.02	.11
corn silage	.41	.41	.37	.33	.28				.39	.33	.28					.35	.26	.20	.16						.30
corn silage w/cc		.23							.20	.17	.14	.11	.09	.08	.07	.20	.15	.12	.10	.08	.07	.06	.05	.04	.11
soybeans	.38	.32	.33	.28	.23				.28	.24	.22					.26	.20	.16	.12	.10	.08	.07			.21
soybeans w/cc		.25							.24	.21	.17	.13	.11	.09	.07	.22	.16	.13	.10	.08	.07	.06	.05		.12
1 year meadow	.22	.15	.20	.18	.16	.14	.12	.10	.15	.13	.11	.08	.06	.05	.04	.15	.12	.09	.07	.06	.05	.04	.03	.02	
estab. meadow	.21	.12	.20	.18	.15	.11	.09	.07	.12	.11	.09	.07	.05	.05	.04	.11	.09	.07	.06	.05	.04	.03	.02		
wheat	.27	.22	.22	.19	.15	.12	.10	.08	.20	.16	.13	.11	.09	.07	.05	.18	.15	.10	.07	.06	.05	.04	.03	.02	
oats	.33	.26	.29	.26	.21	.16	.12	.10	.23	.21	.18	.15	.12	.10	.08	.23	.19	.16	.11	.09	.07	.06	.05	.04	
sugarbeets	.37	.36	.37	.32					.36	.31						.35	.30								
tobacco	.38	.38	.37	.31					.36	.30						.35	.29								
tobacco w/cc		.22							.21	.19	.16	.14	.12	.10		.20	.17	.14	.12	.11	.09	.07			
wheat/dbl. crop Sb	.25	.20	.24	.18	.15	.13	.11	.09	.20	.17	.14	.10	.08	.07	.06	.20	.15	.10	.07	.06	.05	.04	.03	.02	
Corn Silage After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.27	.22	.24	.19	.16	.12	.10	.08	.20	.18	.16	.13	.10	.08	.06	.20	.16	.12	.08	.07	.06	.05	.04	.03	.11
corn silage	.41	.41	.39	.33	.28				.39	.33	.28					.36	.30	.23	.17						.32
corn silage w/cc		.26							.25	.22	.19	.16	.13	.10	.08	.21	.16	.13	.11	.09	.08	.07	.06		.16
soybeans	.38	.31	.31	.28	.26	.24			.27	.25	.23	.21				.26	.22	.19	.17	.15	.11	.09			.24
soybeans w/cc		.24							.23	.21	.17	.14	.11	.09	.07	.21	.18	.14	.12	.10	.08	.06	.04	.02	.13
1 year meadow	.23	.15	.22	.19	.16	.14	.12		.16	.13	.11	.09				.14	.11	.09	.08	.07	.06	.05	.04	.03	
estab. meadow	.22	.12	.21	.18	.15	.11	.09	.07	.12	.11	.09	.07	.05	.04	.03	.11	.09	.07	.06	.05	.04	.03	.02		
wheat	.28	.23	.23	.20	.15	.13	.11	.09	.21	.17	.14	.11	.09	.07	.05	.18	.14	.10	.07	.05	.04	.03	.02	.01	
oats	.34	.26	.31	.24	.20	.15	.12	.09	.25	.22	.18	.14	.11	.08	.07	.23	.20	.17	.13	.09	.06	.04	.03	.02	
sugarbeets																									
tobacco	.39	.39	.39	.34	.29				.38	.33	.28					.35	.30	.25							
tobacco w/cc		.23							.22	.19	.17	.15	.12	.09	.07	.21	.18	.16	.14	.11	.09	.07	.05		
wheat/dbl. crop Sb	.25	.20	.24	.18	.15	.13	.11	.09	.20	.17	.14	.10	.08	.07	.06	.20	.15	.10	.08	.06	.05	.04	.03	.02	

Note: Crops following a crop with a cover crop assumes the cover crop is killed or tilled at a height of 12" - 15" (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 B

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL						SPRING MULCH TILL							NO TILL									RIDGE
	FALL	SPRG	% COVER AFTER PLANTING						% COVER AFTER PLANTING							% COVER AFTER PLANTING									Till
Soybeans >20" After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.27	.23	.25	.20	.16	.13	.10	.09	.22	.18	.14	.12	.10	.08	.06	.20	.16	.13	.10	.08	.06	.05	.04	.03	.12
corn silage	.43	.41	.40	.35					.40	.35						.37	.30	.21	.18						.31
corn silage w/cc		.27							.25	.22	.19	.17	.15			.25	.22	.19	.17	.15	.13	.11	.10		.14
soybeans	.40	.33	.38	.33	.27	.24			.31	.29	.25	.22				.28	.22	.17	.12	.08	.07	.06	.05		.19
soybeans w/cc		.27							.26	.23	.16	.13	.11			.25	.21	.16	.13	.10	.08	.06	.05	.04	.13
1 year meadow	.22	.19	.20	.18	.16	.14			.18	.16	.14	.12				.17	.15	.13	.11	.08	.06	.05	.04	.03	
estab. meadow	.21	.12	.20	.18	.15	.13			.12	.10	.08	.06				.12	.10	.08	.06	.05	.04	.03	.02	.02	
wheat	.28	.22	.27	.22	.17	.13	.11	.09	.21	.17	.14	.10	.08			.20	.16	.12	.09	.07	.05	.04	.03	.02	
oats	.35	.27	.33	.26	.21	.16	.13		.25	.22	.18	.15	.13			.24	.21	.17	.14	.10	.07	.05	.04	.03	
sugarbeets	.37	.36	.35	.33					.35	.33						.34	.31								
sugarbeets w/cc		.26							.24	.21	.18	.16				.23	.20	.17	.15	.12	.10	.07	.06	.05	
tobacco	.38	.38							.37	.34						.35	.31								
tobacco w/cc		.23							.21	.19	.16	.14				.20	.18	.15	.12	.10	.08	.07	.06		
wheat/dbl. crop Sb	.26	.21	.24	.21	.17	.14	.11		.20	.18	.15	.13	.10			.18	.14	.11	.08	.07	.06	.05	.04	.03	
Soybeans <20" After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.22	.17	.22	.16	.11	.09	.08	.07	.16	.14	.10	.08	.07	.06	.05	.16	.14	.10	.07	.06	.05	.04	.03	.02	
corn silage	.35	.34	.33	.32	.30				.32	.30	.28					.30	.25	.22	.16	.13					
corn silage w/cc		.20							.20	.18	.16	.14	.12	.10	.08	.19	.17	.15	.12	.10	.08	.06	.05	.04	
soybeans	.32	.23	.30	.25	.19	.17	.15		.22	.19	.17	.15	.13	.11		.21	.19	.16	.14	.12	.09	.07	.05		
soybeans w/cc		.19							.18	.16	.14	.12	.10	.08		.17	.16	.13	.11	.09	.07	.06	.05		
1 year meadow	.19	.16	.18	.16	.14	.12			.16	.14	.12	.10				.15	.13	.11	.09	.07	.06	.05	.04		
estab. meadow	.18	.15	.17	.15	.13	.11			.15	.13	.11	.09				.14	.12	.10	.08	.06	.05	.04	.03		
wheat	.23	.16	.21	.17	.14	.10	.08	.06	.16	.13	.10	.08	.06	.05	.04	.15	.13	.10	.08	.07	.06	.05	.04	.03	
oats	.28	.21	.27	.23	.18	.13	.10	.08	.20	.17	.13	.11	.09	.07	.06	.19	.16	.13	.11	.09	.07	.05	.04	.03	
sugarbeets	.29	.28	.28	.26					.28	.26						.27	.25								
sugarbeets w/cc		.21							.20	.18	.15	.13	.11			.19	.17	.14	.12	.10	.08	.07	.06	.05	
tobacco	.31	.30	.31	.29					.30	.28						.28	.26								
tobacco w/cc		.20							.18	.15	.13					.18	.15	.13	.11	.08	.07	.06	.05	.04	
wheat/dbl. crop Sb	.20	.15	.18	.15	.12	.09	.07	.05	.14	.12	.10	.08	.06	.05		.13	.11	.08	.07	.06	.05	.04	.03	.02	

Note: Crops following a crop with a cover crop assumes the cover crop is killed or tilled at a height of 12" - 15" (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 B

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
1st Year Meadow After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.16	.11	.14	.10	.08	.06	.05	.04	.11	.09	.07	.05	.04	.03	.02	.10	.08	.06	.05	.04	.03	.02	.02	.01	
corn silage	.25	.23	.24	.20	.17	.15			.23	.18	.15					.18	.16	.14	.12						
corn silage w/cc		.21							.20	.18	.15	.13	.12			.18	.16	.14	.12	.10					
soybeans	.22	.18	.20	.16	.14	.12			.17	.14	.12					.15	.13	.11	.09	.07	.06	.05			
soybeans w/cc		.15							.15	.13	.11	.09				.14	.11	.09	.08	.07					
1 year meadow	.09	.12	.09	.07	.05	.03			.12	.10	.08	.06	.05			.09	.07	.05	.04	.03	.02	.01			
estab. meadow	.08	.10	.07	.06	.05	.04			.09	.08	.06	.05	.04			.08	.06	.05	.03	.02	.01				
wheat	.09	.12	.09	.07	.06	.05	.04		.12	.10	.08	.06	.05			.11	.09	.08	.06	.05	.04	.03	.02		
oats	.11	.13	.10	.08	.07	.06			.13	.11	.09	.08	.07			.11	.10	.09	.07	.06	.05	.04	.03		
sugarbeets	.21	.20	.19	.17					.19	.17						.18	.13								
tobacco	.23	.22	.22	.20					.21	.19						.20	.18								
tobacco w/cc		.17							.17	.15	.13					.16	.14	.12	.10	.08					
wheat/dbl. crop Sb	.14	.09	.12	.08	.06	.04	.03	.02	.09	.07	.06	.05	.04	.03	.02	.08	.06	.05	.04	.03	.02	.01	.01		
Wheat After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.08		.08	.07	.06	.05	.04	.03								.08	.07	.06	.05	.04	.03	.02	.01	.005	
corn silage	.14		.13	.09	.07	.06										.09	.08	.07	.06	.05					
corn silage w/cc																									
soybeans	.11		.10	.08	.06	.05	.04	.03								.09	.08	.07	.06	.05	.04	.03	.02		
soybeans w/cc																									
1 year meadow	.13		.13	.10	.08	.06										.11	.09	.07	.06	.05	.04	.03	.02		
estab. meadow	.09		.08	.06	.05	.04										.08	.06	.05	.04	.03	.02	.01			
wheat																									
oats	.15		.14	.10	.07	.06	.05									.13	.10	.07	.06	.05	.04	.03	.02		
sugarbeets	.10		.10	.08												.10	.08	.06							
tobacco	.10		.10	.08												.10	.08	.06							
tobacco w/cc																									
wheat/dbl. crop Sb																									

Note: First year meadow established at the first optimum planting date after the prior crop and tillage.
For Example, meadow established after corn is spring seeded, meadow after wheat, oats, or meadow is summer seeded if tilled in the summer and spring seeded if tilled in the spring.

Table 6 - Ohio C Factor Zone 103 B

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING								RIDGE Till
	FALL	SPRG																						
Oats After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.12	.09	.11	.09	.07	.06	.05	.04	.08	.07	.06	.05	.04	.04	.03	.09	.07	.06	.05	.04	.03	.02	.01	.005	
corn silage	.23	.23	.20	.17	.12				.20	.17	.12					.18	.13	.11							
corn silage w/cc																									
soybeans	.19	.14	.18	.15	.11	.09	.07		.14	.12	.10	.08	.06			.13	.11	.09	.07	.05	.04	.03	.02		
soybeans w/cc																									
1 year meadow	.13	.10	.12	.11	.10	.09			.10	.09	.08	.07	.06			.10	.08	.07	.06	.05	.04	.03	.02		
estab. meadow	.11	.08	.10	.09	.08	.07			.08	.07	.06	.05	.04			.08	.07	.06	.05	.04	.03	.02	.01		
wheat	.14	.11	.13	.10	.08	.06	.04		.10	.08	.06	.04	.03			.10	.08	.06	.05	.04	.03	.02	.01		
oats																									
sugarbeets	.18	.17	.17	.14					.16	.14						.15	.12								
tobacco	.24	.24	.24	.22					.24	.22						.22	.19								
tobacco w/cc																									
wheat/dbl. crop Sb	.12	.10	.11	.10	.09	.08	.07		.10	.09	.08	.07	.06	.05	.04	.09	.08	.07	.06	.05	.04	.03	.02	.01	
Sugarbeets After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.27	.23	.26	.23	.19	.15	.13		.22	.18	.16	.14	.12	.10		.21	.17	.15	.13	.11	.09	.07	.05		
corn silage	.42	.41	.41	.39					.40	.38						.39	.36								
corn silage w/cc		.25							.24	.22	.19	.17	.15			.23	.21	.18	.16	.14	.12	.10	.08		
soybeans	.39	.32	.37	.30	.28				.31	.29	.27	.25				.30	.27	.24	.22	.20					
soybeans w/cc		.23							.22	.20	.18	.16				.21	.19	.17	.15	.12	.10	.08			
1 year meadow	.25	.22	.23	.20	.17	.15			.21	.19	.17	.15				.20	.17	.14	.12	.09					
estab. meadow	.21	.13	.20	.18	.16	.14			.13	.12	.11	.10	.09			.11	.10	.09	.08	.07	.06	.05	.04		
wheat	.32	.26	.31	.26	.21	.15	.13		.24	.21	.17	.14	.12			.24	.21	.17	.14	.12	.10	.08	.07		
oats	.34	.28	.33	.27	.22	.16	.14		.26	.22	.18	.15	.13			.26	.22	.18	.15	.13	.11	.09	.08		
sugarbeets																									
tobacco																									
tobacco w/cc																									
wheat/dbl. crop Sb	.24	.21	.22	.19	.17	.15	.13		.20	.18	.16	.14	.12			.19	.16	.13	.11	.09	.07	.05			

Note: Crops following a crop with a cover crop assumes the cover crop is killed or tilled at a height of 12" - 15" (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 B

CROP SEQENCE	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
Tobacco After:			**<10**	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
corn grain	.31	.27	.30	.26	.22	.19	.16	.14	.25	.21	.18	.16	.15	.13		.24	.20	.17	.14	.12	.10	.08			
corn silage	.47	.47	.45	.40	.35				.44	.39	.34					.41	.36	.31							
corn silage w/cc		.28							.27	.24	.21	.18	.16	.14		.26	.22	.19	.16	.14	.11	.09	.07		
soybeans	.42	.35	.33	.31	.29				.33	.30	.28					.31	.28	.26	.23						
soybeans w/cc		.25							.24	.20	.17	.14				.22	.19	.17	.14	.12	.09	.07			
1 year meadow	.27	.18	.26	.24					.16	.14	.12					.16	.14	.12	.10	.09	.08	.07			
estab. meadow	.25	.15	.24	.22					.15	.13						.14	.12	.11	.10	.09	.08	.07			
wheat	.30	.25	.28	.23	.19	.16	.13		.24	.21	.18	.15	.12			.23	.19	.16	.13	.11	.09	.07			
oats	.37	.29	.35	.28	.23	.19	.16		.28	.24	.20	.17	.14			.27	.22	.18	.15	.12	.10	.08			
sugarbeets																									
tobacco	.45	.45	.44	.39					.44	.39						.43	.38								
tobacco w/cc		.23							.22	.18	.15	.13				.21	.17	.14	.12	.10					
wheat/dbl. crop Sb	.28	.23	.26	.21	.18	.16			.22	.18	.16	.14				.20	.16	.13	.11	.10	.08				

	CLEAN TILL		FALL MULCH TILL % COVER AFTER PLANTING						SPRING MULCH TILL % COVER AFTER PLANTING							NO TILL % COVER AFTER PLANTING									RIDGE Till
	FALL	SPRG																							
			<10	**10**	**20**	**30**	**40**	**50**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**<10**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	
Wheat w/Double Crop Soybeans >20" After: ("C" Factor for Wheat Establishment - Assumes No Till Double Crop Sb)																									
Soybeans >20"	.13		.11	.10	.09	.08	.07	.06								.09	.08	.07	.06	.05	.04	.03	.03	.02	
Wheat w/Double Crop Soybeans <20" After: ("C" Factor for Wheat Establishment - Assumes No Till Double Crop Sb)																									
Soybeans <20"	.13		.11	.10	.09	.08	.07	.06								.09	.08	.07	.06	.05	.04	.03	.03	.02	

Established Meadow - Use 0.01 for average stands and .007 for good to excellent stands.

Note: Crops following a crop with a cover crop assumes the cover crop is killed or tilled at a height of 12" - 15" (Late April - Early May).

Table 6 - Ohio C Factor Zone 103 B

Continuous No Till "C" Factors (No Till 4 or More Years)

No Till Corn Grain After:	No Till % Cover After Planting									
	<10	10	20	30	40	50	60	70	80	90
Corn Grain				.06	.04	.032	.026	.02	.01	
Corn Silage	.24	.20	.17							
Corn Silage w/cc				.09	.075	.06	.046	.03		
Soybeans			.13	.115	.10	.075	.06			
Soybeans w/cc					.059	.04	.025	.013		
Wheat					.048	.055	.025	.013		

No Till Wheat After:	No Till % Cover After Planting									
	<10	10	20	30	40	50	60	70	80	90
Corn Grain					.016	.011	.008	.005	.003	
Corn Silage	.09	.069	.05	.034						
Corn Silage w/cc										
Soybeans						.027	.22	.019	.016	
Soybeans w/cc										
Wheat										

No Till Corn Silage After:	No Till % Cover After Planting									
	<10	10	20	30	40	50	60	70	80	90
Corn Grain				.06	.04	.032	.026	.02	.01	
Corn Silage	.20	.18	.15							
Corn Silage w/cc				.10	.086	.076	.062	.05		
Soybeans		.23	.19	.15	.111					
Soybeans w/cc				.08	.059	.045	.035	.028		
Wheat					.053	.035	.025	.014		

No Till Alfalfa After:	No Till % Cover After Planting									
	<10	10	20	30	40	50	60	70	80	90
Corn Grain						.015	.012	.009	.006	
Corn Silage	.17	.151	.13							
Corn Silage w/cc										
Soybeans				.07	.055	.042				
Soybeans w/cc										
Wheat						.014	.011	.009		

No Till Soybeans After:	No Till % Cover After Planting									
	<10	10	20	30	40	50	60	70	80	90
Corn Grain					.04	.026	.012	.009	.006	
Corn Silage	.229	.156	.138							
Corn Silage w/cc				.094	.075	.068				
Soybeans			.097	.086	.071	.062				
Soybeans w/cc					.062	.043	.025			
Wheat						.045	.04	.036	.03	

Note: Crops following a crop with a cover crop assumes the cover crop is killed or tilled at a height of 12" - 15" (Late April - Early May).

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Butler	AvA	Avonburg silt loam, 0 to 2 percent slopes	Avonburg	1	200
Butler	Bt	Brenton silt loam	Brenton	1	200
Butler	CdD2	Casco and Rodman gravelly loams, 6 to 18 percent slopes, mo	Casco	12	75
Butler	CdE	Casco and Rodman gravelly loams, 18 to 35 percent slopes	Casco	25	49
Butler	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	4	151
Butler	CnC2	Cincinnati silt loam, 6 to 12 percent slopes, moderately eroded	Cincinnati	8	102
Butler	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	151
Butler	DaA	Dana silt loam, 0 to 2 percent slopes	Dana	1	200
Butler	DaB	Dana silt loam, 2 to 6 percent slopes	Raub	4	0
Butler	DbB	Dana silt loam, bedrock substratum, 2 to 8 percent slopes	Dana	4	200
Butler	EcE2	Eden silty clay loam, 15 to 25 percent slopes, moderately erode	Eden	20	102
Butler	EcF2	Eden silty clay loam, 25 to 50 percent slopes, moderately erode	Eden	30	102
Butler	Ee	Eel silt loam	Eel	1	102
Butler	ElA	Eldean loam, 0 to 2 percent slopes	Eldean	1	151
Butler	ElB2	Eldean loam, 2 to 6 percent slopes, moderately eroded	Eldean	5	200
Butler	ElC2	Eldean loam, 6 to 12 percent slopes, moderately eroded	Eldean	9	102
Butler	EnA	Eldean gravelly loam, 0 to 2 percent slopes	Eldean	1.5	200
Butler	EnB2	Eldean gravelly loam, 2 to 6 percent slopes, moderately eroded	Eldean	5	151
Butler	EuA	Eldean-Urban land complex, nearly level	Ockley	1	0
Butler	EuB	Eldean-Urban land complex, gently sloping	Eldean	5	151
Butler	FcA	Fincastle silt loam, 0 to 2 percent slopes	Fincastle	1	151
Butler	FcB	Fincastle silt loam, 2 to 6 percent slopes	Fincastle	3	151
Butler	FdA	Fincastle silt loam, bedrock substratum, 0 to 2 percent slopes	Fincastle	2	151
Butler	FdB	Fincastle silt loam, bedrock substratum, 2 to 6 percent slopes	Fincastle	4	151
Butler	Gn	Genesee loam	Genesee	1	125
Butler	Go	Genesee-Urban land complex	Genesee	1	125
Butler	HeE2	Hennepin-Miamian silt loams, 18 to 25 percent slopes, moderat	Hennepin	22	125
Butler	HeF	Hennepin-Miamian silt loams, 25 to 50 percent slopes	Hennepin	38	174
Butler	HoA	Henshaw silt loam, 0 to 2 percent slopes	Henshaw	1	151
Butler	La	Landes sandy loam	Ross		0
Butler	Lg	Lanier fine sandy loam	ils underlain by shale and limestone or till		0
Butler	MlB2	Miamian silt loam, 2 to 6 percent slopes, moderately eroded	Celina		0
Butler	MlC2	Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Severely eroded soils		0
Butler	MlD2	Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Hennepin		0
Butler	MnC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Moderately eroded areas		0
Butler	MnD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Soils that are moderately eroded		0

Butler	MsC2	Miamian-Russell silt loams, 6 to 12 percent slopes, moderately	ith substratum of more than 15 percent stones		0
Butler	MsD2	Miamian-Russell silt loams, 12 to 18 percent slopes, moderately	Soils with slope less than 12 percent		0
Butler	MtC2	Miamian-Russell silt loams, bedrock substratum, 6 to 12 percen	Soils underlain with bedrock		0
Butler	MuC	Miamian-Urban land complex, sloping	Miamian	9	102
Butler	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	200
Butler	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	151
Butler	Pa	Patton silty clay loam	Patton	1	174
Butler	Pg	Pits, gravel	Pits		0
Butler	PrB	Princeton sandy loam, 2 to 8 percent slopes	Princeton	3	200
Butler	Ra	Ragsdale silty clay loam	Ragsdale	1	200
Butler	RdA	Raub silt loam, 0 to 2 percent slopes	Raub	1	200
Butler	RdB	Raub silt loam, 2 to 6 percent slopes	Raub	3	151
Butler	Rh	Riverwash	Riverwash		0
Butler	Rn	Ross loam	Ross	1	151
Butler	RpB	Rossmoyne silt loam, 2 to 6 percent slopes	Rossmoyne	3	174
Butler	RtB	Russell silt loam, 2 to 6 percent slopes	Russell	3	151
Butler	RvB	Russell-Miamian silt loams, 2 to 6 percent slopes	Russell	3	151
Butler	RvB2	Russell-Miamian silt loams, 2 to 6 percent slopes, moderately e	Russell	5	125
Butler	RwB	Russell-Miamian silt loams, bedrock substratum, 2 to 6 percent	Russell	3	102
Butler	RwB2	Russell-Miamian silt loams, bedrock substratum, 2 to 6 percent	Russell	4	151
Butler	RxB	Russell-Urban land complex, gently sloping	Russell	3	102
Butler	Sh	Shoals silt loam	Shoals	1	151
Butler	SlA	Sleeth silt loam, 0 to 2 percent slopes	Sleeth	1	125
Butler	St	Stonelick fine sandy loam	Stonelick	1	151
Butler	ThA	Thackery silt loam, 0 to 2 percent slopes	Thackery	1	151
Butler	TpA	Tippecanoe silt loam, 0 to 2 percent slopes	Tippecanoe	1	200
Butler	Ud	Udorthents	Udorthents		0
Butler	Uf	Udorthents and Dumps	Udorthents		0
Butler	UnA	Uniontown silt loam, 0 to 2 percent slopes	Uniontown	1	151
Butler	UnA	Uniontown silt loam, 0 to 2 percent slopes	Henshaw	1	0
Butler	UnB	Uniontown silt loam, 2 to 6 percent slopes	Uniontown	3	249
Butler	UpA	Urban land-Eldean complex, nearly level	Urban land		0
Butler	UsA	Urban land-Patton complex, nearly level	Urban land		0
Butler	W	Water	Water		0
Butler	WbA	Warsaw loam, 0 to 3 percent slopes	Warsaw	2	249
Butler	WeA	Wea silt loam, 0 to 2 percent slopes	Wea	1	200
Butler	WeB	Wea silt loam, 2 to 6 percent slopes	Wea	3	174

Butler	WuB	Wynn-Urban land complex, gently sloping	Wynn	3	174
Butler	WuC	Wynn-Urban land complex, sloping	Wynn	12	102
Butler	WyB	Wynn silt loam, 2 to 6 percent slopes	Moderately well drained soils		0
Butler	WyB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded	Wynn	5	151
Butler	WyC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded	Wynn	8	102
Butler	WzC3	Wynn silty clay loam, 6 to 12 percent slopes, severely eroded	Wynn	10	102
Butler	XeA	Xenia silt loam, 0 to 2 percent slopes	Xenia	2	200
Butler	XeB	Xenia silt loam, 2 to 6 percent slopes	Xenia	4	174
Butler	XeB2	Xenia silt loam, 2 to 6 percent slopes, moderately eroded	Xenia	5	174
Butler	XfA	Xenia silt loam, bedrock substratum, 0 to 2 percent slopes	Xenia	1	200
Butler	XfB	Xenia silt loam, bedrock substratum, 2 to 6 percent slopes	Xenia	3	174
Butler	XfB2	Xenia silt loam, bedrock substratum, 2 to 6 percent slopes, moc	Xenia	6	174
Butler	CeB2	Celina silt loam, 2 to 6 percent slopes, eroded	Celina	4	151
Butler	CtA	Crosby-Celina silt loams, 0 to 2 percent slopes	Celina	1	151
Butler	CvA	Cyclone silt loam, 0 to 2 percent slopes	Morningsun		0
Butler	ElB	Eldean loam, 2 to 6 percent slopes	Ockley		0
Butler	HeF2	Hennepin-Miamian silt loams, 25 to 50 percent slopes, eroded	Miamian	38	164
Butler	HwE2	Hennepin-Wynn silt loams, 18 to 25 percent slopes, eroded	Hennepin	21.5	164
Butler	HwF2	Hennepin-Wynn silt loams, 25 to 50 percent slopes, eroded	Wynn	38	164
Butler	KeC2	Kendallville-Eldean silt loams, 6 to 12 percent slopes, eroded	Miamian		0
Butler	KeD2	Kendallville-Eldean silt loams, 12 to 18 percent slopes, eroded	Fox		0
Butler	KnA	Kokomo silt loam, 0 to 1 percent slopes	Crosby		0
Butler	KoA	Kokomo silty clay loam, 0 to 1 percent slopes	Celina		0
Butler	KoA	Kokomo silty clay loam, 0 to 1 percent slopes	Kokomo	0.5	220
Butler	MrC3	Miamian-Losantville clay loams, 6 to 12 percent slopes, severel	Miamian	9	108
Butler	MrD3	Miamian-Losantville clay loams, 12 to 18 percent slopes, severe	Miamian	15	135
Butler	MpE2	Miamian-Hennepin silt loams, 18 to 25 percent slopes, eroded	Miamian	22	108
Butler	MvA	Milford silty clay loam, 0 to 2 percent slopes	Milford	1	174
Butler	RbB2	Rainsville silt loam, 2 to 6 percent slopes, eroded	Ockley		0
Butler	RoA	Rossburg silt loam, moderately wet, sandy substratum, 0 to 1 p	Rossburg	0.5	164
Butler	SwA	Stonelick loam, gravelly substratum, 0 to 1 percent slopes, freq	Stonelick	0.5	272
Butler	WnA	Westland silt loam, 0 to 2 percent slopes	Westland	1	220
Butler	WyD2	Wynn silt loam, 12 to 18 percent slopes, eroded	Wynn	15	246
Butler	AwA	Avonburg-Urban land complex, 0 to 2 percent slopes	Avonburg	1	0
Butler	EdB	Eden-Urban land complex, 3 to 8 percent slopes	Eden	6	0
Butler	EdC	Eden-Urban land complex, 8 to 15 percent slopes	Eden	12	0
Butler	FeA	Fincastle-Urban land complex, 0 to 2 percent slopes	Fincastle	1	0

Butler	Lh	Lanier sandy loam, occasionally flooded	Lanier	1	200
Butler	MaB	Markland silty clay loam, 2 to 6 percent slopes	Markland	4	125
Butler	McA	Martinsville silt loam, 0 to 2 percent slopes	Martinsville	1	190
Butler	MkC2	Miamian silt loam, 8 to 15 percent slopes, eroded	Miamian	12	102
Butler	MoD2	Miamian-Hennepin silt loams, 15 to 25 percent slopes, eroded	Miamian	20	102
Butler	MvC	Miamian-Urban land complex, 8 to 15 percent slopes	Miamian	12	0
Butler	PtB	Princeton sandy loam, 2 to 6 percent slopes	Princeton	4	151
Butler	RsB2	Russell silt loam, 3 to 8 percent slopes, eroded	Russell	6	125
Butler	RzB	Russell-Urban land complex, 3 to 8 percent slopes	Russell	6	0

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Champaign	Ag	Algiers silt loam	Algiers	1	121
Champaign	BsA	Brookston silty clay loam, 0 to 2 percent slopes	Brookston	1	151
Champaign	BsB	Brookston silty clay loam, 2 to 6 percent slopes	Brookston	4	151
Champaign	Ca	Carlisle muck	Carlisle	1	249
Champaign	CcB	Casco loam, 2 to 6 percent slopes	Casco	4	151
Champaign	CcC2	Casco loam, 6 to 12 percent slopes, moderately eroded	Casco	9	151
Champaign	CgD2	Casco gravelly loam, 12 to 18 percent slopes, moderately erode	Casco	15	102
Champaign	CmD2	Casco-Miami-Fox complex, 12 to 18 percent slopes, moderately	Casco	15	200
Champaign	CnA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Champaign	CnB	Celina silt loam, 2 to 6 percent slopes	Celina	4	161
Champaign	CnB2	Celina silt loam, 2 to 6 percent slopes, moderately eroded	Celina	4	180
Champaign	CnC2	Celina silt loam, 6 to 12 percent slopes, moderately eroded	Celina	9	102
Champaign	CoB	Celina bouldery silt loam, 2 to 6 percent slopes	Celina	4	125
Champaign	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	121
Champaign	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	4	125
Champaign	CsB	Crosby bouldery silt loam, 0 to 6 percent slopes	Brookston		0
Champaign	Ed	Edwards muck	Edwards	1	98
Champaign	Ee	Eel silt loam	Eel	1	151
Champaign	FlB	Fox loam, 2 to 6 percent slopes	Fox	4	121
Champaign	FmB	Fox sandy loam, 2 to 6 percent slopes	Fox	4	121
Champaign	FnA	Fox silt loam, 0 to 2 percent slopes	Fox	1	121
Champaign	FnB	Fox silt loam, 2 to 6 percent slopes	Fox	4	161
Champaign	FnB2	Fox silt loam, 2 to 6 percent slopes, moderately eroded	Fox	4	121
Champaign	FnC2	Fox silt loam, 6 to 12 percent slopes, moderately eroded	Fox	9	79
Champaign	FoC2	Fox-Miami silt loams, 6 to 12 percent slopes, moderately erode	Fox	9	79
Champaign	Gn	Genesee silt loam	Genesee	1	151
Champaign	Pg	Pits, gravel	Pits, gravel		0
Champaign	HeA	Henshaw silt loam, 0 to 2 percent slopes	Henshaw	1	121
Champaign	HeB	Henshaw silt loam, 2 to 6 percent slopes	Henshaw	4	121
Champaign	HoA	Homer silt loam, 0 to 2 percent slopes	Homer	1	151
Champaign	IoA	Ionia silt loam, 0 to 2 percent slopes	Ionia	1	151
Champaign	IoB	Ionia silt loam, 2 to 6 percent slopes	Ionia	4	151
Champaign	KaA	Kane silt loam, 0 to 2 percent slopes	Kane	1	121
Champaign	KeA	Kendallville silt loam, 0 to 2 percent slopes	Kendallville	1	121
Champaign	KeB	Kendallville silt loam, 2 to 6 percent slopes	Kendallville	4	102
Champaign	KeC2	Kendallville silt loam, 6 to 12 percent slopes, moderately eroded	Kendallville	9	121

Champaign	KeD2	Kendallville silt loam, 12 to 18 percent slopes, moderately erode	Kendallville	15	102
Champaign	Ln	Linwood muck	Linwood	1	299
Champaign	Lp	Lippincott silty clay loam	Lippincott	1	200
Champaign	Ua	Udorthents	Udorthents		0
Champaign	MbC	Miami bouldery silt loam, 2 to 12 percent slopes	Miami	7	151
Champaign	MlB	Miami silt loam, 2 to 6 percent slopes	Miami	4	151
Champaign	MlB2	Miami silt loam, 2 to 6 percent slopes, moderately eroded	Miami	4	180
Champaign	MlC	Miami silt loam, 6 to 12 percent slopes	Miami	9	151
Champaign	MlC2	Miami silt loam, 6 to 12 percent slopes, moderately eroded	Miami	9	151
Champaign	MlD	Miami silt loam, 12 to 18 percent slopes	Miami	15	141
Champaign	MlD2	Miami silt loam, 12 to 18 percent slopes, moderately eroded	Miami	15	151
Champaign	MlE	Miami silt loam, 18 to 25 percent slopes	Miami	22	151
Champaign	MlE2	Miami silt loam, 18 to 25 percent slopes, moderately eroded	Miami	22	161
Champaign	MmC3	Miami soils, 6 to 12 percent slopes, severely eroded	Miami	9	151
Champaign	MmD3	Miami soils, 12 to 18 percent slopes, severely eroded	Miami	15	151
Champaign	MmE3	Miami soils, 18 to 25 percent slopes, severely eroded	Miami	22	151
Champaign	MoF2	Miami and Lewisburg silt loams, 25 to 50 percent slopes, mode	Miami	38	151
Champaign	MrF2	Miami-Rodman complex, 25 to 50 percent slopes, moderately e	Miami	38	151
Champaign	MsE2	Miami-Casco-Rodman complex, 18 to 25 percent slopes, mode	Miami	22	161
Champaign	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	121
Champaign	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	161
Champaign	Pa	Patton silty clay loam	Patton	1	200
Champaign	Pq	Pits, quarry	Pits, quarry		0
Champaign	RgD2	Rodman gravelly loam, 12 to 18 percent slopes, moderately ero	Rodman	15	180
Champaign	RgF2	Rodman gravelly loam, 18 to 50 percent slopes, moderately ero	Rodman	34	180
Champaign	Rn	Ross silt loam	Ross	2	180
Champaign	Sh	Shoals silt loam	Shoals	1	151
Champaign	Sm	Shoals silt loam, till subsoil variant	Shoals Variant	1	151
Champaign	So	Sloan silt loam	Sloan	1	151
Champaign	Sv	Sloan silt loam, gravelly subsoil variant	Sloan Variant	1	151
Champaign	UnB	Uniontown silt loam, 2 to 6 percent slopes	Uniontown	4	151
Champaign	Wa	Wallkill silt loam	Wallkill	1	151
Champaign	Wn	Warners silt loam	Warners	1	151
Champaign	WrA	Warsaw silt loam, 0 to 2 percent slopes	Warsaw	1	151
Champaign	WrB	Warsaw silt loam, 2 to 6 percent slopes	Warsaw	4	151
Champaign	WsA	Wea silt loam, 0 to 3 percent slopes	Wea	2	131
Champaign	CfD2	Casco gravelly loam, 12 to 20 percent slopes, eroded	Casco	14	102

Champaign	EmA	Eldean silt loam, 0 to 2 percent slopes	Westland	1	0
Champaign	EmB	Eldean silt loam, 2 to 6 percent slopes	Lippincott	1	0
Champaign	EmB2	Eldean silt loam, 2 to 6 percent slopes, eroded	Eldean	3	200
Champaign	EpC2	Eldean-Miamian complex, 6 to 12 percent slopes, eroded	Westland	1	0
Champaign	EpD2	Eldean-Miamian complex, 12 to 18 percent slopes, eroded	Eldean	14	79
Champaign	EpE2	Eldean-Miamian complex, 18 to 30 percent slopes, eroded	Eldean	25	102
Champaign	Go	Genesee silt loam, till substratum, occasionally flooded	Genesee	0.5	299
Champaign	Ko	Kokomo silty clay loam	Kokomo	1	151
Champaign	Lo	Linwood mucky silt loam, drained	Adrian	1	0
Champaign	MnB2	Miamian silt loam, 2 to 6 percent slopes, eroded	Miamian	5	161
Champaign	MnC	Miamian silt loam, 6 to 12 percent slopes	Miamian	7	141
Champaign	MpE2	Miamian silt loam, 18 to 30 percent slopes, eroded	Miamian	25	79
Champaign	MuC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	8	131
Champaign	MuD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Miamian	15	102
Champaign	RgE	Rodman gravelly loam, 18 to 35 percent slopes	Rodman	25	102
Champaign	Ro	Ross silty clay loam, rarely flooded	Ross	0.5	200
Champaign	RuA	Rush silt loam, 0 to 2 percent slopes	Rush	0.5	102
Champaign	ScA	Savona silt loam, 0 to 2 percent slopes	Savona	1	151
Champaign	Sp	Sloan silt loam, sandy substratum, occasionally flooded	Adrian	1	0
Champaign	SwD2	Strawn silty clay loam, 12 to 18 percent slopes, eroded	Strawn	13	125
Champaign	SwC2	Strawn silty clay loam, 6 to 12 percent slopes, eroded	Strawn	7	141
Champaign	Ts	Tremont silt loam, occasionally flooded	Tremont	1	151
Champaign	Wb	Wallkill silt loam, occasionally flooded	Wallkill	0.5	299
Champaign	WpA	Waupecan silt loam, 0 to 2 percent slopes	Waupecan	1	174
Champaign	ChD2	Casco-Eldean complex, 12 to 18 percent slopes, moderately er	Casco	16	151
Champaign	DeB	Del Rey silt loam, 2 to 6 percent slopes	Del Rey	4	125
Champaign	EmC2	Eldean silt loam, 6 to 12 percent slopes, moderately eroded	Eldean	9	125
Champaign	MnE2	Miamian silt loam, 18 to 25 percent slopes, moderately eroded	Miamian	22	102
Champaign	Mt	Montgomery silty clay loam	Montgomery	1	200
Champaign	NnA	Nineveh silt loam, 0 to 2 percent slopes	Nineveh	1	75
Champaign	PbB	Parr silt loam, 1 to 4 percent slopes	Parr	3	151
Champaign	RhF	Rodman-Casco complex, 25 to 50 percent slopes	Rodman	38	49
Champaign	SgB	Shinrock silt loam, 2 to 6 percent slopes	Shinrock	4	151
Champaign	SgC	Shinrock silt loam, 6 to 12 percent slopes	Shinrock	9	151
Champaign	CtA	Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Crosby	2	174
Champaign	CtB	Crosby-Lewisburg silt loams, 2 to 6 percent slopes	Crosby	4	151
Champaign	MnB	Miamian silt loam, 2 to 6 percent slopes	Miamian	4	151

Champaign	MnC2	Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Miamian	7	174
Champaign	MnD2	Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Miamian	13	102
Champaign	MnE	Miamian silt loam, 18 to 25 percent slopes	Miamian	20	131
Champaign	Mw	Montgomery silty clay loam, gravelly substratum	Montgomery	1	102
Champaign	MvC2	Morley silt loam, 6 to 12 percent slopes, moderately eroded	Morley	9	151
Champaign	W	Water	Water		0
Champaign	MlA	Miami silt loam, 0 to 2 percent slopes	Miami	1	151

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Clark	Ad	Adrian muck, drained	Linwood	1	0
Clark	Ae	Adrian muck, undrained	Adrian	0.5	200
Clark	Ca	Carlisle muck, drained	Linwood	1	0
Clark	Cb	Carlisle muck, undrained	Carlisle	0.5	299
Clark	CcD2	Casco gravelly loam, 12 to 20 percent slopes, eroded	Casco	14	102
Clark	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Clark	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	3	151
Clark	ChA	Celina-Strawn complex, 0 to 2 percent slopes	Celina	1	200
Clark	ChB	Celina-Strawn complex, 2 to 6 percent slopes	Celina	3	151
Clark	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	151
Clark	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	3	151
Clark	DoE	Donnelsville channery silt loam, 18 to 30 percent slopes	Donnelsville	25	102
Clark	DpF	Donnelsville-Rock outcrop complex, 30 to 70 percent slopes	Donnelsville	35	102
Clark	Dr	Drummer silty clay loam, gravelly substratum	Drummer	0.5	200
Clark	EmA	Eldean silt loam, 0 to 2 percent slopes	Westland	1	0
Clark	EmB	Eldean silt loam, 2 to 6 percent slopes	Lippincott	1	0
Clark	EmB2	Eldean silt loam, 2 to 6 percent slopes, eroded	Eldean	3	200
Clark	EmC2	Eldean silt loam, 6 to 12 percent slopes, eroded	Eldean	8	121
Clark	EnC2	Eldean-Casco complex, 6 to 12 percent slopes, eroded	Eldean	8	121
Clark	EpB2	Eldean-Miamian complex, 2 to 6 percent slopes, eroded	Eldean	5	174
Clark	EpC2	Eldean-Miamian complex, 6 to 12 percent slopes, eroded	Westland	1	0
Clark	EpC3	Eldean-Miamian complex, 6 to 12 percent slopes, severely erod	Eldean	9	151
Clark	EpD2	Eldean-Miamian complex, 12 to 18 percent slopes, eroded	Eldean	14	79
Clark	EpD3	Eldean-Miamian complex, 12 to 18 percent slopes, severely ero	Eldean	15	89
Clark	EpE2	Eldean-Miamian complex, 18 to 30 percent slopes, eroded	Eldean	25	102
Clark	EsE3	Eldean-Rodman complex, 18 to 30 percent slopes, severely ero	Eldean	25	102
Clark	EuB	Eldean-Urban land complex, 2 to 6 percent slopes	Lippincott	1	0
Clark	EuC	Eldean-Urban land complex, 6 to 12 percent slopes	Eldean	9	151
Clark	Ge	Genesee silt loam, till substratum, rarely flooded	Genesee	0.5	299
Clark	Gn	Genesee silt loam, till substratum, occasionally flooded	Genesee	0.5	299
Clark	Ko	Kokomo silty clay loam	Kokomo	0.5	200
Clark	Lg	Linwood muck, undrained	Lippincott	1	0
Clark	Lh	Linwood mucky silt loam, drained	Adrian	1	0
Clark	Lm	Lippincott mucky silt loam	Adrian	1	0
Clark	Lp	Lippincott silty clay loam	Westland	1	0
Clark	Lu	Lippincott-Urban land complex	Lippincott	0.5	200

Clark	MgB2	Miamian silty clay loam, limestone substratum, 2 to 6 percent sl	Miamian	5	161
Clark	MgC2	Miamian silty clay loam, limestone substratum, 6 to 12 percent s	Miamian	7	141
Clark	MgE2	Miamian silty clay loam, limestone substratum, 18 to 30 percent	Miamian	24	79
Clark	MhA	Miamian silt loam, 0 to 2 percent slopes	Miamian	1	151
Clark	MhB	Miamian silt loam, 2 to 6 percent slopes	Miamian	4	161
Clark	MhB2	Miamian silt loam, 2 to 6 percent slopes, eroded	Miamian	5	161
Clark	MhC	Miamian silt loam, 6 to 12 percent slopes	Miamian	7	141
Clark	MhC2	Miamian silt loam, 6 to 12 percent slopes, eroded	Miamian	7	141
Clark	MhD2	Miamian silt loam, 12 to 18 percent slopes, eroded	Miamian	13	125
Clark	MhE	Miamian silt loam, 18 to 30 percent slopes	Miamian	25	79
Clark	MhE2	Miamian silt loam, 18 to 30 percent slopes, eroded	Miamian	25	79
Clark	MkB2	Miamian silty clay loam, 2 to 6 percent slopes, eroded	Miamian	5	161
Clark	MkC2	Miamian silty clay loam, 6 to 12 percent slopes, eroded	Miamian	7	141
Clark	MkD2	Miamian silty clay loam, 12 to 18 percent slopes, eroded	Miamian	13	125
Clark	MmC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	8	131
Clark	MmD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Miamian	15	102
Clark	MmE3	Miamian clay loam, 18 to 30 percent slopes, severely eroded	Miamian	25	79
Clark	MnB	Miamian-Urban land complex, 2 to 6 percent slopes	Miamian	4	161
Clark	MnC	Miamian-Urban land complex, 6 to 12 percent slopes	Miamian	7	141
Clark	Mo	Milford silty clay loam, sandy substratum	Milford	0.5	200
Clark	Ms	Millsdale silty clay loam	Millsdale	1	200
Clark	MtA	Milton silt loam, 0 to 2 percent slopes	Milton	1	125
Clark	MtB	Milton silt loam, 2 to 6 percent slopes	Milton	3	151
Clark	MvC2	Milton silty clay loam, 6 to 12 percent slopes, eroded	Milton	7	102
Clark	MxB	Milton-Urban land complex, 2 to 6 percent slopes	Milton	3	151
Clark	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	0.5	200
Clark	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	3	174
Clark	Pa	Patton silty clay loam	Linwood	1	0
Clark	Pg	Pits, gravel	Pits, gravel		0
Clark	Ph	Pits, quarry	Pits, quarry		0
Clark	RaA	Randolph silt loam, 0 to 2 percent slopes	Randolph	1	151
Clark	RgE	Rodman gravelly loam, 18 to 35 percent slopes	Rodman	25	102
Clark	Rn	Ross silt loam, occasionally flooded	Ross	0.5	200
Clark	Ro	Ross silty clay loam, rarely flooded	Ross	0.5	200
Clark	RuA	Rush silt loam, 0 to 2 percent slopes	Rush	0.5	102
Clark	ScA	Savona silt loam, 0 to 2 percent slopes	Savona	1	151
Clark	So	Sloan silt loam, sandy substratum, occasionally flooded	Adrian	1	0

Clark	StB2	Strawn silty clay loam, 2 to 6 percent slopes, eroded	Strawn	5	161
Clark	StC2	Strawn silty clay loam, 6 to 12 percent slopes, eroded	Strawn	7	141
Clark	StD2	Strawn silty clay loam, 12 to 18 percent slopes, eroded	Strawn	13	125
Clark	StE2	Strawn silty clay loam, 18 to 35 percent slopes, eroded	Strawn	26	79
Clark	SuA	Strawn-Crosby complex, 0 to 2 percent slopes	Strawn	1	151
Clark	SuB	Strawn-Crosby complex, 2 to 6 percent slopes	Strawn	3	151
Clark	ThA	Thackery silt loam, 0 to 2 percent slopes	Thackery	1	151
Clark	Tr	Tremont silty clay loam, rarely flooded	Westland	1	0
Clark	Ts	Tremont silt loam, occasionally flooded	Tremont	1	151
Clark	Ts	Tremont silt loam, occasionally flooded	Sloan	1	0
Clark	Ud	Udorthents, loamy	Udorthents	1	0
Clark	Ur	Urban land	Urban land		0
Clark	W	Water	Water		0
Clark	Wc	Wallkill silt loam, occasionally flooded	Wallkill	0.5	299
Clark	WeA	Warsaw silt loam, 0 to 3 percent slopes	Warsaw	0.5	200
Clark	WpA	Waupecan silt loam, 0 to 2 percent slopes	Waupecan	1	174
Clark	WrA	Waynetown silt loam, 0 to 2 percent slopes	Waynetown	1	151
Clark	Wt	Westland silty clay loam	Westland	0.5	200
Clark	CsA	Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Crosby	2	174
Clark	CsB	Crosby-Lewisburg silt loams, 2 to 6 percent slopes	Crosby	4	151
Clark	LeB	Lewisburg-Celina silt loams, 2 to 6 percent slopes	Lewisburg	4	174
Clark	MeB	Miamian-Eldean silt loams, 2 to 6 percent slopes	Miamian	4	102
Clark	MeC2	Miamian-Eldean silt loams, 6 to 12 percent slopes, eroded	Miamian	7	102
Clark	MfE2	Miamian silt loam, 18 to 25 percent slopes, eroded	Miamian	20	75
Clark	EpB	Eldean-Miamian complex, 2 to 6 percent slopes	Eldean	4	102
Clark	Sh	Shoals silt loam	Shoals	1	151
Clark	IoA	Ionia silt loam, 0 to 2 percent slopes	Ionia	1	151
Clark	WfA	Warsaw silt loam, 0 to 2 percent slopes	Warsaw	1	151
Clark	WdA	Warsaw loam, 0 to 2 percent slopes	Warsaw	1	217
Clark	Pl	Pits, lime	Pits		0
Clark	DAM	Dam	Dam		0

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Darke	Ag	Algiers silt loam, occasionally flooded	Algiers	1	200
Darke	BnA	Blount silt loam, 0 to 2 percent slopes	Blount	2	151
Darke	BnB	Blount silt loam, 2 to 6 percent slopes	Blount	4	151
Darke	Br	Brookston silty clay loam	Brookston	1	151
Darke	Ca	Carlisle muck	Carlisle	1	200
Darke	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Darke	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	4	151
Darke	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	161
Darke	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	3	151
Darke	DeA	Del Rey silt loam, 0 to 3 percent slopes	Del Rey	2	125
Darke	Ed	Edwards muck	Edwards	1	200
Darke	Ee	Eel silt loam, occasionally flooded	Eel	1	200
Darke	EnA	Eldean loam, 0 to 2 percent slopes	Eldean	1	200
Darke	EnB	Eldean loam, 2 to 6 percent slopes	Eldean	3	69
Darke	ErC2	Eldean-Miamian complex, 6 to 12 percent slopes, eroded	Eldean	10	112
Darke	ErD2	Eldean-Miamian complex, 12 to 18 percent slopes, eroded	Eldean	15	112
Darke	GnB	Glynwood silt loam, 2 to 6 percent slopes	Glynwood	4	151
Darke	GnB2	Glynwood silt loam, 2 to 6 percent slopes, eroded	Glynwood	4	174
Darke	GnC2	Glynwood silt loam, 6 to 12 percent slopes, eroded	Glynwood	10	69
Darke	GyC3	Glynwood clay loam, 6 to 12 percent slopes, severely eroded	Glynwood	10	75
Darke	GyD3	Glynwood clay loam, 12 to 18 percent slopes, severely eroded	Glynwood	16	79
Darke	LeB	Lewisburg silt loam, 2 to 6 percent slopes	Lewisburg	4	69
Darke	Ln	Linwood muck	Linwood	1	200
Darke	Lp	Lippincott silty clay loam	Lippincott	1	200
Darke	Md	Medway silt loam, occasionally flooded	Medway	1	200
Darke	MmA	Miamian silt loam, 0 to 2 percent slopes	Miamian	1.5	151
Darke	MmB	Miamian silt loam, 2 to 6 percent slopes	Miamian	3	151
Darke	MmC2	Miamian silt loam, 6 to 12 percent slopes, eroded	Miamian	9	75
Darke	MmD2	Miamian silt loam, 12 to 18 percent slopes, eroded	Miamian	15	89
Darke	MmE	Miamian silt loam, 18 to 25 percent slopes	Miamian	22	121
Darke	MnC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	10	75
Darke	MnD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Miamian	16	75
Darke	Mt	Montgomery silty clay	Montgomery	1	200
Darke	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1.5	200
Darke	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	3	112
Darke	OdA	Odell silt loam, 0 to 3 percent slopes	Odell	2	151

Darke	Pa	Patton silty clay loam	Patton	1	200
Darke	Pe	Pewamo silty clay loam	Pewamo	1	200
Darke	PyA	Pyrmont silt loam, 0 to 3 percent slopes	Pyrmont	1.5	121
Darke	Sa	Saranac silty clay, frequently flooded	Saranac	1	151
Darke	SeA	Savona silt loam, 0 to 2 percent slopes	Savona	1	200
Darke	Sh	Shoals silt loam, occasionally flooded	Shoals	1	151
Darke	Tr	Treaty silty clay loam	Treaty	1	200
Darke	Ud	Udorthents, loamy	Udorthents	6	0
Darke	Wb	Wallkill silt loam	Wallkill	1	220
Darke	WeA	Wea silt loam, 0 to 2 percent slopes	Wea	1.5	220
Darke	Ws	Westland silty clay loam	Westland	1	210
Darke	CeB2	Celina silt loam, 2 to 6 percent slopes, eroded	Celina	4	151
Darke	CtA	Crosby-Celina silt loams, 0 to 2 percent slopes	Celina	1	151
Darke	CtB	Crosby-Celina silt loams, 2 to 4 percent slopes	Crosby	3	135
Darke	CvA	Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Crosby	1	135
Darke	EfA	Eel silt loam, gravelly substratum, 0 to 1 percent slopes, occasi	Eel	0.5	108
Darke	KeD2	Kendallville-Eldean silt loams, 12 to 18 percent slopes, eroded	Fox		0
Darke	KoA	Kokomo silty clay loam, 0 to 1 percent slopes	Celina		0
Darke	LfB	Lewisburg-Celina silt loams, 2 to 6 percent slopes	Celina	4	164
Darke	LrA	Lippincott silty clay loam, 0 to 2 percent slopes	Lippincott	1	220
Darke	MfE2	Miami-Kendallville silt loams, 18 to 25 percent slopes, eroded	Miamian		0
Darke	MhC2	Miami loam, 6 to 12 percent slopes, eroded	Miami	9	108
Darke	MkB	Miamian-Celina silt loams, 2 to 6 percent slopes	Miamian	4	164
Darke	MkB2	Miamian-Celina silt loams, 2 to 6 percent slopes, eroded	Celina	4	164
Darke	MpC3	Miamian-Losantville clay loams, 6 to 12 percent slopes, severel	Miamian	9	108
Darke	MpD3	Miamian-Losantville clay loams, 12 to 18 percent slopes, severe	Miamian	15	135
Darke	MrE2	Miamian-Hennepin silt loams, 18 to 25 percent slopes, eroded	Miamian	22	108
Darke	MsA	Milford silty clay loam, gravelly substratum, 0 to 2 percent slope	Milford	1	174
Darke	RaA	Rainsville silt loam, 0 to 2 percent slopes	Miamian		0
Darke	RaB	Rainsville silt loam, 2 to 6 percent slopes	Ockley		0
Darke	SnA	Sloan silt loam, sandy substratum, 0 to 1 percent slopes, freque	Sloan	0.5	200
Darke	WnA	Westland silt loam, 0 to 2 percent slopes	Westland	1	220

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Greene	Ag	Algiers silt loam	Algiers	1	161
Greene	BbB	Birkbeck silt loam, 1 to 4 percent slopes	Birkbeck	1	217
Greene	Bs	Brookston silty clay loam	Brookston	1	151
Greene	Bt	Brookston-Urban land complex	Brookston	1	151
Greene	CcD2	Casco-Eldean loams, 12 to 18 percent slopes, moderately erod	Casco	15	108
Greene	CdE2	Casco-Rodman loams, 18 to 50 percent slopes, moderately ero	Casco	25	108
Greene	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Greene	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	3	151
Greene	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	135
Greene	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	3	108
Greene	EdB	Edenton silt loam, 2 to 6 percent slopes	Edenton	3	161
Greene	EdC2	Edenton silt loam, 6 to 12 percent slopes, moderately eroded	Edenton	9	217
Greene	EdD2	Edenton silt loam, 12 to 18 percent slopes, moderately eroded	Edenton	15	108
Greene	Ee	Eel loam	Eel	1	200
Greene	EmA	Eldean silt loam, 0 to 2 percent slopes	Eldean	1	217
Greene	EmB	Eldean silt loam, 2 to 6 percent slopes	Eldean	3	217
Greene	EmB2	Eldean silt loam, 2 to 6 percent slopes, moderately eroded	Eldean	5	108
Greene	EmC2	Eldean silt loam, 6 to 12 percent slopes, moderately eroded	Eldean	6	108
Greene	EnC3	Eldean clay loam, 6 to 12 percent slopes, severely eroded	Eldean	10	108
Greene	EpC	Eldean-Urban land complex, rolling	Eldean	9	108
Greene	FaF	Fairmount silty clay loam, moderately deep variant, 25 to 50 per	Fairmount variant	40	108
Greene	FnA	Fincastle silt loam, 0 to 2 percent slopes	Fincastle	1	151
Greene	Gn	Genesee loam	Genesee	1	217
Greene	Ln	Linwood muck	Linwood	1	299
Greene	MUF	Milton soils, channery variant, 25 to 50 percent slopes	Milton variant	35	108
Greene	MhA	Miamian silt loam, 0 to 2 percent slopes	Miamian	2	151
Greene	MhB	Miamian silt loam, 2 to 6 percent slopes	Miamian	3	161
Greene	MhB2	Miamian silt loam, 2 to 6 percent slopes, moderately eroded	Miamian	4	161
Greene	MhC2	Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Miamian	9	108
Greene	MhD2	Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Miamian	15	108
Greene	MlB3	Miamian clay loam, 2 to 6 percent slopes, severely eroded	Miamian	5	151
Greene	MlC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	8	108
Greene	MlD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Miamian	16	108
Greene	MmD2	Miamian-Casco complex, 12 to 18 percent slopes, moderately e	Miamian	15	108
Greene	MmE2	Miamian-Casco complex, 18 to 35 percent slopes, moderately e	Miamian	21	108
Greene	MoB2	Miamian-Eldean silt loams, 2 to 6 percent slopes, moderately er	Miamian	4	151

Greene	MoC2	Miamian-Eldean silt loams, 6 to 12 percent slopes, moderately e	Miamian	8	108
Greene	MpE	Miamian and Hennepin soils, 18 to 25 percent slopes	Miamian	21	108
Greene	MpF	Miamian and Hennepin soils, 25 to 50 percent slopes	Miamian	35	108
Greene	MrB	Miamian-Urban land complex, undulating	Miamian	4	161
Greene	MrC	Miamian-Urban land complex, rolling	Miamian	9	108
Greene	Ms	Millsdale silty clay loam	Millsdale	1	217
Greene	MtA	Milton silt loam, 0 to 2 percent slopes	Milton	1	125
Greene	MtB	Milton silt loam, 2 to 6 percent slopes	Milton	4	125
Greene	MtC2	Milton silt loam, 6 to 12 percent slopes, moderately eroded	Milton	8	108
Greene	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	217
Greene	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	3	161
Greene	OcB2	Ockley silt loam, 2 to 6 percent slopes, moderately eroded	Ockley	4	161
Greene	OdB	Ockley-Urban land complex, undulating	Ockley	4	161
Greene	OeB	Odell silt loam, 2 to 6 percent slopes	Odell	3	161
Greene	Pa	Patton silty clay loam	Patton	1	217
Greene	Ra	Ragsdale silty clay loam	Ragsdale	1	217
Greene	RbA	Randolph silt loam, 0 to 2 percent slopes	Randolph	1	151
Greene	RdA	Raub silt loam, 0 to 2 percent slopes	Raub	1	108
Greene	RdB	Raub silt loam, 2 to 6 percent slopes	Raub	3	161
Greene	ReA	Reesville silt loam, 0 to 2 percent slopes	Reesville	1	217
Greene	RhB	Ritchey silt loam, 2 to 6 percent slopes	Ritchey	3	217
Greene	RhC	Ritchey silt loam, 6 to 12 percent slopes	Ritchey	8	108
Greene	RhD	Ritchey silt loam, 12 to 18 percent slopes	Ritchey	15	108
Greene	RhE2	Ritchey silt loam, 18 to 25 percent slopes, moderately eroded	Ritchey	21	108
Greene	Rs	Ross loam	Ross	1	217
Greene	RtA	Rush silt loam, 0 to 2 percent slopes	Rush	1	102
Greene	RtB	Rush silt loam, 2 to 6 percent slopes	Rush	3	102
Greene	RuA	Russell silt loam, 0 to 2 percent slopes	Russell	1	174
Greene	RvB	Russell-Miamian silt loams, 2 to 6 percent slopes	Russell	4	151
Greene	RvB2	Russell-Miamian silt loams, 2 to 6 percent slopes, moderately e	Russell	4	125
Greene	SlA	Sleeth silt loam, 0 to 2 percent slopes	Sleeth	1	125
Greene	So	Sloan silty clay loam	Sloan	1	200
Greene	Sp	Sloan-Fill land complex	Sloan	1	200
Greene	Sr	Sloan-Urban land complex	Sloan	1	200
Greene	ThA	Thackery silt loam, 0 to 2 percent slopes	Thackery	2	161
Greene	ThB	Thackery silt loam, 2 to 6 percent slopes	Thackery	4	108
Greene	Ur	Urban land	Urban land		0

Greene	W	Water	Water		0
Greene	WaA	Warsaw loam, 0 to 2 percent slopes	Warsaw	1	217
Greene	WbA	Warsaw-Fill land complex, nearly level	Warsaw	1	217
Greene	WcA	Warsaw-Urban land complex, nearly level	Warsaw	1	217
Greene	WeB	Wea silt loam, 1 to 3 percent slopes	Wea	1	217
Greene	Ws	Westland silty clay loam	Westland	1	217
Greene	Wt	Westland-Urban land complex	Westland	1	217
Greene	XeA	Xenia silt loam, 0 to 2 percent slopes	Xenia	1	217
Greene	XeB	Xenia silt loam, 2 to 6 percent slopes	Xenia	2	174
Greene	Pu	Pits, quarry	Pits, quarry		0
Greene	Pg	Pits, gravel	Pits, gravel		0
Greene	Ud	Udorthents	Udorthents		0
Greene	Du	Dumps	Dumps		0
Greene	BcB	Birkbeck silt loam, 2 to 6 percent slopes	Miamian	4	0
Greene	CaE2	Casco silt loam, 18 to 50 percent slopes, eroded	Fox	34	0
Greene	CfB	Celina-Losantville silt loams, 2 to 6 percent slopes	Miamian	4	0
Greene	CtA	Crosby-Celina silt loams, 0 to 2 percent slopes	Losantville	1	0
Greene	CtB	Crosby-Celina silt loams, 2 to 4 percent slopes	Losantville	3	0
Greene	Ko	Kokomo silty clay loam	Crosby	1	0
Greene	LuF2	Lumberton silt loam, 25 to 50 percent slopes, eroded	Miamian	38	0
Greene	MqE2	Miamian-Thrifton complex, 18 to 25 percent slopes, eroded	Crouse	22	0
Greene	MqF2	Miamian-Thrifton complex, 25 to 50 percent slopes, eroded	Crouse	38	0
Greene	RpA	Ross loam, 0 to 1 percent slopes, occasionally flooded	Ross	1	200
Greene	RwB2	Russell-Xenia silt loams, 2 to 6 percent slopes, eroded	Fincastle	4	0
Greene	SkA	Sligo silt loam, 0 to 1 percent slopes, occasionally flooded	Stringley	1	0
Greene	Sn	Sloan silt loam, sandy substratum, occasionally flooded	Sligo	1	0
Greene	TtA	Treaty silty clay loam, 0 to 1 percent slopes	Reesville	1	0
Greene	WpC3	Wapahani-Miamian clay loams, 6 to 12 percent slopes, severely	Thrifton	9	0
Greene	WpD3	Wapahani-Miamian clay loams, 12 to 18 percent slopes, severe	Thrifton	15	0
Greene	CbD2	Casco gravelly loam, 12 to 20 percent slopes, eroded	Casco	14	102
Greene	ChB	Celina-Strawn complex, 2 to 6 percent slopes	Celina	3	151
Greene	EoC2	Eldean-Miamian complex, 6 to 12 percent slopes, eroded	Westland	1	0
Greene	EoD2	Eldean-Miamian complex, 12 to 18 percent slopes, eroded	Eldean	14	79
Greene	Lh	Linwood mucky silt loam, drained	Adrian	1	0
Greene	RkE	Rodman gravelly loam, 18 to 35 percent slopes	Rodman	25	102
Greene	Ts	Tremont silt loam, occasionally flooded	Tremont	1	151
Greene	CsA	Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Crosby	2	174

Greene	CsB	Crosby-Lewisburg silt loams, 2 to 6 percent slopes	Crosby	4	151
Greene	SuA	Strawn-Crosby complex, 0 to 2 percent slopes	Strawn	1	151

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Logan	Ag	Algiers silt loam	Algiers	1	125
Logan	BeE	Berks silt loam, 18 to 25 percent slopes	Berks	22	151
Logan	BeF	Berks silt loam, 25 to 50 percent slopes	Berks	38	174
Logan	BoA	Blount silt loam, 0 to 2 percent slopes	Blount	1	151
Logan	BoB	Blount silt loam, 2 to 6 percent slopes	Blount	4	151
Logan	Bs	Brookston silty clay loam	Brookston	0.5	151
Logan	Ca	Carlisle muck	Carlisle	1	151
Logan	Cc	Carlisle muck, ponded	Carlisle	1	151
Logan	CdD2	Casco-Eldean complex, 12 to 18 percent slopes, moderately er	Casco	16	151
Logan	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Logan	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	4	151
Logan	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	125
Logan	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	4	125
Logan	CsA	Crosby-Urban land complex, nearly level	Crosby	1	125
Logan	DeA	Del Rey silt loam, 0 to 2 percent slopes	Del Rey	1	125
Logan	DeB	Del Rey silt loam, 2 to 6 percent slopes	Del Rey	4	125
Logan	Ed	Edwards muck	Edwards	1	151
Logan	Ee	Eel silt loam	Eel	1	151
Logan	EmA	Eldean silt loam, 0 to 2 percent slopes	Eldean	1	102
Logan	EmB	Eldean silt loam, 2 to 6 percent slopes	Eldean	4	174
Logan	EmC2	Eldean silt loam, 6 to 12 percent slopes, moderately eroded	Eldean	9	125
Logan	EpB	Eldean-Urban land complex, undulating	Eldean	4	174
Logan	FlA	Fox loam, 0 to 2 percent slopes	Fox	1	102
Logan	FlB	Fox loam, 2 to 6 percent slopes	Fox	4	174
Logan	FuA	Fulton silt loam, 0 to 4 percent slopes	Fulton	2	125
Logan	GaB	Gallman loam, 1 to 4 percent slopes	Gallman	2	200
Logan	Gn	Genesee silt loam	Genesee	1	200
Logan	GwB	Glynwood silt loam, 2 to 6 percent slopes	Glynwood	4	151
Logan	HdA	Haskins loam, 0 to 2 percent slopes	Haskins	1	125
Logan	HdB	Haskins loam, 2 to 6 percent slopes	Haskins	4	125
Logan	HeA	Henshaw silt loam, 0 to 2 percent slopes	Henshaw	1	102
Logan	HeB	Henshaw silt loam, 2 to 6 percent slopes	Henshaw	4	151
Logan	HoA	Homer silt loam, 0 to 2 percent slopes	Homer	1	151
Logan	HoB	Homer silt loam, 2 to 6 percent slopes	Homer	4	151
Logan	La	Latty silty clay	Latty	1	200
Logan	Lb	Latty silty clay, occasionally flooded	Latty	1	200

Logan	Ln	Linwood muck	Linwood	1	200
Logan	Lp	Lippincott silty clay loam	Lippincott	0.5	200
Logan	Ls	Lippincott-Urban land complex	Lippincott	0.5	200
Logan	Ma	Martisco mucky silt loam	Martisco	1	200
Logan	Mc	Martisco Variant silt loam	Martisco Variant	1	200
Logan	MhB	Miamian silt loam, 2 to 6 percent slopes	Miamian	4	151
Logan	MhC2	Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Miamian	9	125
Logan	MhD2	Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Miamian	15	102
Logan	MhE2	Miamian silt loam, 18 to 25 percent slopes, moderately eroded	Miamian	22	102
Logan	MhF	Miamian silt loam, 25 to 50 percent slopes	Miamian	38	102
Logan	MlB	Miamian-Urban land complex, undulating	Miamian	4	151
Logan	MlC	Miamian-Urban land complex, rolling	Miamian	10	151
Logan	MmC2	Miamian Variant silt loam, 6 to 15 percent slopes, moderately e	Miamian Variant	9	226
Logan	MoB	Milton silt loam, 2 to 6 percent slopes	Milton	4	151
Logan	MoC2	Milton silt loam, 6 to 12 percent slopes, moderately eroded	Milton	9	151
Logan	MoD2	Milton silt loam, 12 to 18 percent slopes, moderately eroded	Milton	15	151
Logan	Mt	Montgomery silty clay loam	Montgomery	1	200
Logan	MyC2	Morley silt loam, 6 to 12 percent slopes, moderately eroded	Morley	9	125
Logan	MyD2	Morley silt loam, 12 to 18 percent slopes, moderately eroded	Morley	15	79
Logan	Mz	Muskego muck	Muskego	1	200
Logan	NaA	Nappanee silt loam, 0 to 2 percent slopes	Nappanee	1	200
Logan	NaB	Nappanee silt loam, 2 to 6 percent slopes	Nappanee	4	125
Logan	NnA	Nineveh silt loam, 0 to 2 percent slopes	Nineveh	1	75
Logan	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	75
Logan	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	200
Logan	PaB	Parr silt loam, 1 to 4 percent slopes	Parr	3	151
Logan	Pb	Patton silt loam	Patton	0.5	200
Logan	Pc	Patton Variant silt loam	Patton Variant	0.5	200
Logan	Pd	Paulding clay	Paulding	0.5	200
Logan	Pe	Pewamo silty clay loam	Pewamo	0.5	200
Logan	RoE	Rodman-Casco complex, 18 to 25 percent slopes	Rodman	22	102
Logan	RoF	Rodman-Casco complex, 25 to 50 percent slopes	Rodman	38	49
Logan	ScB	St. Clair silt loam, 2 to 6 percent slopes	St. Clair	4	151
Logan	ScC2	St. Clair silt loam, 6 to 12 percent slopes, moderately eroded	St. Clair	9	125
Logan	ScD2	St. Clair silt loam, 12 to 18 percent slopes, moderately eroded	St. Clair	15	75
Logan	ScE2	St. Clair silt loam, 18 to 35 percent slopes, moderately eroded	St. Clair	27	151
Logan	SgB	Shinrock silt loam, 2 to 6 percent slopes	Shinrock	4	151

Logan	SgC	Shinrock silt loam, 6 to 12 percent slopes	Shinrock	9	151
Logan	Sh	Shoals silt loam	Shoals	1	151
Logan	SlA	Sleeth silt loam, 0 to 2 percent slopes	Sleeth	1	102
Logan	So	Sloan silt loam	Sloan	1	200
Logan	Ud	Udorthents	Udorthents		0
Logan	Wa	Wallkill silt loam	Wallkill	0.5	200
Logan	WeA	Wea Variant silt loam, 0 to 2 percent slopes	Wea Variant	1	102
Logan	WkF	Weikert shaly silt loam, 35 to 70 percent slopes	Weikert	53	151
Logan	Wt	Westland silty clay loam	Westland	0.5	125
Logan	Wu	Westland silty clay loam, clay substratum	Westland	0.5	125
Logan	Wv	Wetzel silty clay loam	Wetzel	0.5	125
Logan	Wx	Willette muck	Willette	0.5	200
Logan	Dc	Defiance silty clay, frequently flooded	Defiance	1	200
Logan	MeA	McGary silt loam, 0 to 4 percent slopes	Montgomery	1	0
Logan	Mu	Montgomery silty clay	Pewamo	1	0
Logan	MwC2	Morley clay loam, 6 to 12 percent slopes, eroded	Eldean	4	0
Logan	FnA	Fox silt loam, 0 to 2 percent slopes	Fox	1	151
Logan	FnB	Fox silt loam, 2 to 6 percent slopes	Fox	4	102
Logan	GyC2	Glynwood clay loam, 6 to 12 percent slopes, eroded	Glynwood	9	79
Logan	Mv	Montgomery silty clay loam, gravelly substratum	Montgomery	1	200
Logan	SmA	Sleeth silt loam, 0 to 3 percent slopes	Sleeth	1.5	125
Logan	Ws	Westland clay loam	Westland	1	200
Logan	GwC2	Glynwood silt loam, 6 to 12 percent slopes, eroded	Glynwood	8	151
Logan	MyE	Morley silt loam, 18 to 25 percent slopes	Morley	20	102
Logan	Wb	Wallkill silty clay loam	Wallkill	0.5	200
Logan	KeB	Kendallville silt loam, 2 to 6 percent slopes	Kendallville	4	102
Logan	MfE2	Miami-Casco-Rodman complex, 18 to 25 percent slopes, mode	Miami	22	161
Logan	Ph	Patton silty clay loam	Patton	1	200
Logan	Pf	Paulding silty clay	Paulding	1	200

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Mercer	BoA	Blount silt loam, 0 to 2 percent slopes	Blount	1	151
Mercer	BoB	Blount silt loam, 2 to 6 percent slopes	Blount	4	151
Mercer	Ca	Carlisle muck	Carlisle	1	200
Mercer	Df	Defiance silty clay	Defiance	1	200
Mercer	DmA	Digby loam, 0 to 2 percent slopes	Digby	1	151
Mercer	DmB	Digby loam, 2 to 6 percent slopes	Digby	4	151
Mercer	Ed	Edwards muck	Edwards	1	200
Mercer	Ee	Eel silt loam	Eel	1	151
Mercer	ElB	Eldean loam, 2 to 6 percent slopes	Eldean	4	125
Mercer	ElC2	Eldean loam, 6 to 12 percent slopes, moderately eroded	Eldean	9	125
Mercer	EoB	Elliott silt loam, 1 to 4 percent slopes	Elliott	2	151
Mercer	GaB	Gallman sandy loam, 2 to 6 percent slopes	Gallman	4	125
Mercer	GbB	Gallman loam, 2 to 6 percent slopes	Gallman	4	125
Mercer	Gn	Genesee silt loam	Genesee	1	200
Mercer	GwB	Glynwood silt loam, 2 to 6 percent slopes	Glynwood	4	151
Mercer	GwB2	Glynwood silt loam, 2 to 6 percent slopes, moderately eroded	Glynwood	4	151
Mercer	GwC2	Glynwood silt loam, 6 to 12 percent slopes, moderately eroded	Glynwood	9	102
Mercer	HnA	Haskins loam, 0 to 2 percent slopes	Haskins	1	151
Mercer	HnB	Haskins loam, 2 to 6 percent slopes	Haskins	4	151
Mercer	McA	McGary silty clay loam, 0 to 2 percent slopes	McGary	1	151
Mercer	McB	McGary silty clay loam, 2 to 6 percent slopes	McGary	4	125
Mercer	Mg	Millgrove silty clay loam	Millgrove	1	151
Mercer	Mh	Millsdale silty clay loam	Millsdale	1	151
Mercer	Mn	Montgomery silty clay	Montgomery	1	200
Mercer	MrD2	Morley silt loam, 12 to 18 percent slopes, moderately eroded	Morley	15	59
Mercer	MrE2	Morley silt loam, 18 to 25 percent slopes, moderately eroded	Morley	22	59
Mercer	MsD3	Morley clay loam, 9 to 18 percent slopes, severely eroded	Morley	14	75
Mercer	OcA	Ockley loam, 0 to 2 percent slopes	Ockley	1	125
Mercer	OcB	Ockley loam, 2 to 6 percent slopes	Ockley	4	125
Mercer	On	Olentangy mucky silt loam	Olentangy	1	200
Mercer	Pm	Pewamo silty clay loam	Pewamo	1	151
Mercer	Pn	Pewamo silty clay loam, ponded	Pewamo	1	200
Mercer	Po	Pewamo silty clay	Pewamo	1	151
Mercer	Ps	Pits, gravel	Pits		0
Mercer	Qu	Quarries	Quarries		0
Mercer	RmB	Rawson loam, 2 to 6 percent slopes	Rawson	4	125

Mercer	Sh	Shoals silt loam	Shoals	1	200
Mercer	So	Sloan silty clay loam	Sloan	1	200
Mercer	Ud	Udorthents, loamy	Udorthents	12	0
Mercer	Wh	Wabasha silty clay	Wabasha	1	249
Mercer	BnA	Blount loam, 0 to 2 percent slopes	Blount	1	151
Mercer	BoB2	Blount silt loam, 2 to 6 percent slopes, moderately eroded	Blount	4	125
Mercer	Mm	Montgomery silty clay loam	Montgomery	1	174
Mercer	Sk	Shoals silt loam	Shoals	1	174
Mercer	Wg	Wabasha silty clay loam	Wabasha	1	249
Mercer	DgA	Del Rey silt loam, 0 to 3 percent slopes	Del Rey	2	180
Mercer	Mf	Millgrove clay loam	Millgrove	1	200

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Miami	Ag	Algiers silt loam	Algiers	1	102
Miami	BlA	Blount silt loam, 0 to 2 percent slopes	Blount	1	151
Miami	BlB	Blount silt loam, 2 to 6 percent slopes	Blount	4	151
Miami	BlB2	Blount silt loam, 2 to 6 percent slopes, moderately eroded	Blount	4	85
Miami	Bs	Brookston silty clay loam	Brookston	1	151
Miami	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Miami	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	4	125
Miami	CeB2	Celina silt loam, 2 to 6 percent slopes, moderately eroded	Celina	4	125
Miami	CoA	Corwin silt loam, 0 to 2 percent slopes	Corwin	1	151
Miami	CoB	Corwin silt loam, 2 to 6 percent slopes	Corwin	4	89
Miami	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	102
Miami	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	3	151
Miami	Ed	Edwards muck	Edwards	1	102
Miami	Ee	Eel silt loam	Eel	1	102
Miami	ElA	Eldean loam, 0 to 2 percent slopes	Eldean	1	102
Miami	ElB	Eldean loam, 2 to 6 percent slopes	Eldean	4	102
Miami	ElB2	Eldean loam, 2 to 6 percent slopes, moderately eroded	Eldean	4	102
Miami	EmA	Eldean silt loam, 0 to 2 percent slopes	Eldean	1	102
Miami	EmB	Eldean silt loam, 2 to 6 percent slopes	Eldean	4	102
Miami	EoC2	Eldean-Casco gravelly loams, 6 to 12 percent slopes, moderate	Eldean	9	79
Miami	EoD2	Eldean-Casco gravelly loams, 12 to 18 percent slopes, moderat	Eldean	15	105
Miami	EpD3	Eldean-Casco complex, 6 to 18 percent slopes, severely erode	Eldean	12	89
Miami	ErB	Eldean-Miamian complex, 2 to 6 percent slopes	Eldean	4	102
Miami	ErC	Eldean-Miamian complex, 6 to 12 percent slopes	Eldean	9	95
Miami	Gn	Genesee silt loam	Genesee	1	102
Miami	GwB	Glynwood silt loam, 2 to 6 percent slopes	Glynwood	4	151
Miami	GwB2	Glynwood silt loam, 2 to 6 percent slopes, moderately eroded	Glynwood	4	174
Miami	GwC2	Glynwood silt loam, 6 to 12 percent slopes, moderately eroded	Glynwood	9	79
Miami	GwD2	Glynwood silt loam, 12 to 18 percent slopes, moderately erode	Glynwood	15	79
Miami	GyC3	Glynwood clay loam, 6 to 12 percent slopes, severely eroded	Glynwood	9	79
Miami	GyD3	Glynwood clay loam, 12 to 18 percent slopes, severely eroded	Glynwood	15	79
Miami	Ln	Linwood muck	Linwood	1	102
Miami	LrE2	Lorenzo-Rodman gravelly loams, 18 to 50 percent slopes, mod	Lorenzo	34	115
Miami	MaB	Martinsville and Ockley loams, till substratum, 2 to 6 percent slo	Martinsville	4	102
Miami	Md	Medway silt loam	Medway	1	102
Miami	MhA	Miamian silt loam, 0 to 2 percent slopes	Miamian	1	151

Miami	MhB	Miamian silt loam, 2 to 6 percent slopes	Miamian	4	151
Miami	MhB2	Miamian silt loam, 2 to 6 percent slopes, moderately eroded	Miamian	4	151
Miami	MhC2	Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Miamian	9	102
Miami	MhD2	Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Miamian	15	102
Miami	MkA	Miamian silt loam, limestone substratum, 0 to 2 percent slopes	Miamian	1	151
Miami	MkB	Miamian silt loam, limestone substratum, 2 to 6 percent slopes	Miamian	4	131
Miami	MkB2	Miamian silt loam, limestone substratum, 2 to 6 percent slopes,	Miamian	4	102
Miami	MkC2	Miamian silt loam, limestone substratum, 6 to 12 percent slopes	Miamian	9	102
Miami	MlC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	9	85
Miami	MlD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Miamian	15	85
Miami	MmE	Miamian and Hennepin silt loams, 18 to 25 percent slopes	Miamian	22	131
Miami	MmF	Miamian and Hennepin silt loams, 25 to 50 percent slopes	Miamian	38	131
Miami	MnA	Millsdale silt loam, 0 to 2 percent slopes	Millsdale	1	102
Miami	MnB	Millsdale silt loam, 2 to 6 percent slopes	Millsdale	4	102
Miami	MoA	Millsdale silty clay loam, 0 to 2 percent slopes	Millsdale	1	115
Miami	MoB	Millsdale silty clay loam, 2 to 6 percent slopes	Millsdale	4	102
Miami	MpA	Milton silt loam, 0 to 2 percent slopes	Milton	1	102
Miami	MpB	Milton silt loam, 2 to 6 percent slopes	Milton	4	79
Miami	MpB2	Milton silt loam, 2 to 6 percent slopes, moderately eroded	Milton	4	112
Miami	MpC2	Milton silt loam, 6 to 12 percent slopes, moderately eroded	Milton	9	79
Miami	Mt	Montgomery silty clay loam	Montgomery	1	102
Miami	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	115
Miami	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	102
Miami	OdA	Odell silt loam, 0 to 2 percent slopes	Odell	1	115
Miami	OdB	Odell silt loam, 2 to 6 percent slopes	Odell	4	102
Miami	Pe	Pewamo silty clay loam	Pewamo	1	200
Miami	RdA	Randolph silt loam, 0 to 2 percent slopes	Randolph	1	102
Miami	RdB	Randolph silt loam, 2 to 6 percent slopes	Randolph	4	102
Miami	RhB	Ritchey silt loam, 2 to 6 percent slopes	Ritchey	4	112
Miami	RhC	Ritchey silt loam, 6 to 18 percent slopes	Ritchey	12	102
Miami	RhE	Ritchey silt loam, 18 to 50 percent slopes	Ritchey	34	141
Miami	Rs	Ross silt loam	Ross	1	102
Miami	Rt	Ross silt loam, shallow variant	Ross Variant	1	102
Miami	Sh	Shoals silt loam	Shoals	1	151
Miami	Sk	Shoals silt loam, moderately shallow variant	Shoals Variant	1	102
Miami	SlA	Sleeth silt loam, 0 to 2 percent slopes	Sleeth	1	102
Miami	St	Stonelick loam	Stonelick	1	102

Miami	Wa	Wallkill silt loam	Wallkill	1	102
Miami	WdA	Warsaw silt loam, 0 to 2 percent slopes	Warsaw	1	102
Miami	WeA	Wea silt loam, 0 to 2 percent slopes	Wea	1	102
Miami	Wt	Westland silty clay loam	Westland	1	102
Miami	HeE2	Hennepin and Miamian silt loams, 18 to 25 percent slopes, mod	Hennepin	22	125
Miami	HeF2	Hennepin and Miamian silt loams, 25 to 50 percent slopes, mod	Hennepin	38	125
Miami	CcD2	Casco gravelly loam, 12 to 20 percent slopes, eroded	Casco	14	102
Miami	EmB2	Eldean silt loam, 2 to 6 percent slopes, eroded	Eldean	3	200
Miami	EqC2	Eldean-Casco complex, 6 to 12 percent slopes, eroded	Eldean	8	121
Miami	Ko	Kokomo silty clay loam	Kokomo	0.5	200
Miami	RgE	Rodman gravelly loam, 18 to 35 percent slopes	Rodman	25	102
Miami	Ts	Tremont silt loam, occasionally flooded	Tremont	1	151

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Montgomery	Ag	Algiers silt loam	Algiers	1	102
Montgomery	Bp	Brookston silt loam	Brookston	1	151
Montgomery	Br	Brookston silt loam, overwash	Brookston	1	151
Montgomery	Bs	Brookston silty clay loam	Brookston	1	151
Montgomery	Bu	Brookston-Urban land complex	Brookston	1	102
Montgomery	Ca	Carlisle muck	Carlisle	1	200
Montgomery	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	151
Montgomery	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	3	125
Montgomery	CeB2	Celina silt loam, 2 to 6 percent slopes, moderately eroded	Celina	4	125
Montgomery	ClB	Celina bouldery silt loam, 2 to 6 percent slopes	Celina	4	125
Montgomery	CoA	Corwin silt loam, 0 to 2 percent slopes	Corwin	1	151
Montgomery	CoB	Corwin silt loam, 2 to 6 percent slopes	Corwin	4	125
Montgomery	CsA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	125
Montgomery	CtB	Crosby-Celina silt loams, 2 to 6 percent slopes	Crosby	2	125
Montgomery	Cu	Crosby-Urban land complex	Crosby	1	125
Montgomery	DaB	Dana silt loam, 2 to 6 percent slopes	Dana	4	151
Montgomery	FaE2	Fairmount silty clay loam, 12 to 25 percent slopes, moderately e	Fairmount	19	151
Montgomery	FaF2	Fairmount silty clay loam, 25 to 50 percent slopes, moderately e	Fairmount	38	151
Montgomery	FcA	Fincastle silt loam, 0 to 4 percent slopes	Fincastle	2	102
Montgomery	FkA	Fox sandy loam, 0 to 2 percent slopes	Fox	1	102
Montgomery	FkB	Fox sandy loam, 2 to 6 percent slopes	Fox	4	125
Montgomery	FlA	Fox loam, 0 to 2 percent slopes	Fox	1	102
Montgomery	FlB	Fox loam, 2 to 6 percent slopes	Fox	4	125
Montgomery	FlC2	Fox loam, 6 to 12 percent slopes, moderately eroded	Fox	9	125
Montgomery	FmA	Fox silt loam, 0 to 2 percent slopes	Fox	1	102
Montgomery	FmB	Fox silt loam, 2 to 6 percent slopes	Fox	4	125
Montgomery	FmC2	Fox silt loam, 6 to 12 percent slopes, moderately eroded	Fox	9	125
Montgomery	FmD2	Fox silt loam, 12 to 18 percent slopes, moderately eroded	Fox	15	125
Montgomery	FsC3	Fox soils, 6 to 12 percent slopes, severely eroded	Fox	9	102
Montgomery	FuB	Fox-Urban land complex, gently sloping	Fox	3	125
Montgomery	FuC	Fox-Urban land complex, rolling	Fox	9	102
Montgomery	FuF	Fox-Urban land complex, steep	Fox	30	125
Montgomery	HeE2	Hennepin and Miamian silt loams, 18 to 25 percent slopes, mod	Hennepin	22	125
Montgomery	HeF2	Hennepin and Miamian silt loams, 25 to 50 percent slopes, mod	Hennepin	38	125
Montgomery	HmF3	Hennepin and Miamian soils, 18 to 50 percent slopes, severely	Hennepin	34	125
Montgomery	KeA	Kendallville silt loam, 0 to 2 percent slopes	Kendallville	1	102
Montgomery	KeB	Kendallville silt loam, 2 to 6 percent slopes	Kendallville	4	125
Montgomery	KeC2	Kendallville silt loam, 6 to 12 percent slopes, moderately erode	Kendallville	9	125
Montgomery	Ld	Landes sandy loam	Landes	1	102

Montgomery	Lg	Lanier sandy loam	Lanier	1	102
Montgomery	LsB	Lewisburg silt loam, 2 to 6 percent slopes	Lewisburg	4	125
Montgomery	LxC2	Lorenzo-Rodman complex, 4 to 12 percent slopes, moderately	Lorenzo	8	125
Montgomery	LxD2	Lorenzo-Rodman complex, 12 to 18 percent slopes, moderately	Lorenzo	15	125
Montgomery	Md	Medway silt loam	Medway	1	102
Montgomery	MlA	Miamian silt loam, 0 to 2 percent slopes	Miamian	1	151
Montgomery	MlB	Miamian silt loam, 2 to 6 percent slopes	Miamian	3	125
Montgomery	MlB2	Miamian silt loam, 2 to 6 percent slopes, moderately eroded	Miamian	4	125
Montgomery	MlC2	Miamian silt loam, 6 to 12 percent slopes, moderately eroded	Miamian	9	125
Montgomery	MlD2	Miamian silt loam, 12 to 18 percent slopes, moderately eroded	Miamian	15	125
Montgomery	MmB	Miamian bouldery silt loam, 2 to 6 percent slopes	Miamian	4	151
Montgomery	MnB3	Miamian clay loam, 2 to 6 percent slopes, severely eroded	Miamian	4	125
Montgomery	MnC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	9	125
Montgomery	MnD3	Miamian clay loam, 12 to 18 percent slopes, severely eroded	Miamian	15	125
Montgomery	MoB	Miamian-Urban land complex, undulating	Miamian	4	151
Montgomery	MoC	Miamian-Urban land complex, rolling	Miamian	9	125
Montgomery	MoE	Miamian-Urban land complex, steep	Miamian	22	125
Montgomery	MrA	Millsdale silty clay loam, 0 to 3 percent slopes	Millsdale	2	102
Montgomery	MsA	Milton silt loam, 0 to 2 percent slopes	Milton	1	102
Montgomery	MsB	Milton silt loam, 2 to 6 percent slopes	Milton	4	125
Montgomery	MsB2	Milton silt loam, 2 to 6 percent slopes, moderately eroded	Milton	4	125
Montgomery	MsC2	Milton silt loam, 6 to 12 percent slopes, moderately eroded	Milton	9	125
Montgomery	MsD2	Milton silt loam, 12 to 18 percent slopes, moderately eroded	Milton	15	125
Montgomery	MtD3	Milton silty clay loam, 6 to 18 percent slopes, severely eroded	Milton	12	125
Montgomery	MuB	Milton-Urban land complex, undulating	Milton	4	125
Montgomery	MuC	Milton-Urban land complex, rolling	Milton	9	125
Montgomery	MuD	Milton-Urban land complex, hilly	Milton	15	125
Montgomery	Mv	Montgomery silty clay loam	Montgomery	1	102
Montgomery	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	102
Montgomery	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	125
Montgomery	PlB	Plattville silt loam, 2 to 6 percent slopes	Plattville	4	125
Montgomery	PlC	Plattville silt loam, 6 to 12 percent slopes	Plattville	9	125
Montgomery	PyA	Pyrmont silt loam, 0 to 2 percent slopes	Pyrmont	1	102
Montgomery	RcA	Randolph silt loam, 0 to 2 percent slopes	Randolph	1	102
Montgomery	ReB	Ritchey silt loam, 2 to 6 percent slopes	Ritchey	4	125
Montgomery	ReB2	Ritchey silt loam, 2 to 6 percent slopes, moderately eroded	Ritchey	4	125
Montgomery	ReC2	Ritchey silt loam, 6 to 12 percent slopes, moderately eroded	Ritchey	9	125
Montgomery	ReE2	Ritchey silt loam, 12 to 25 percent slopes, moderately eroded	Ritchey	19	125
Montgomery	ReF2	Ritchey silt loam, 25 to 50 percent slopes, moderately eroded	Ritchey	38	125
Montgomery	RfD3	Ritchey silty clay loam, 6 to 18 percent slopes, severely eroded	Ritchey	12	125

Montgomery	RlE2	Rodman and Fox soils, 18 to 25 percent slopes, moderately erd	Rodman	22	125
Montgomery	RlF2	Rodman and Fox soils, 25 to 50 percent slopes, moderately erd	Rodman	38	125
Montgomery	Rs	Ross silt loam	Ross	1	102
Montgomery	Rt	Ross-Urban land complex	Ross	1	102
Montgomery	RuB	Russell silt loam, 2 to 6 percent slopes	Russell	4	125
Montgomery	RvC2	Russell-Miamian silt loams, 6 to 12 percent slopes, moderately	Russell	9	125
Montgomery	RvD2	Russell-Miamian silt loams, 12 to 18 percent slopes, moderatel	Russell	15	125
Montgomery	Sh	Shoals silt loam	Shoals	1	151
Montgomery	So	Sloan silt loam	Sloan	1	200
Montgomery	ThA	Thackery silt loam, till substratum, 0 to 2 percent slopes	Thackery	1	102
Montgomery	TpA	Tippecanoe silt loam, 0 to 2 percent slopes	Tippecanoe	1	102
Montgomery	WaA	Warsaw silt loam, 0 to 2 percent slopes	Warsaw	1	102
Montgomery	WaB	Warsaw silt loam, 2 to 6 percent slopes	Warsaw	4	125
Montgomery	WeA	Wea silt loam, 0 to 2 percent slopes	Wea	1	102
Montgomery	WeB	Wea silt loam, 2 to 6 percent slopes	Wea	4	125
Montgomery	Ws	Westland silty clay loam	Westland	1	102
Montgomery	WyB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded	Wynn	4	125
Montgomery	XeA	Xenia silt loam, 0 to 2 percent slopes	Xenia	1	200
Montgomery	XeB	Xenia silt loam, 2 to 6 percent slopes	Xenia	4	174
Montgomery	CpB	Crosby-Celina silt loams, 2 to 4 percent slopes	Crosby	3	135
Montgomery	EeA	Eel silt loam, gravelly substratum, 0 to 1 percent slopes, occasi	Eel	0.5	108
Montgomery	FnA	Fox silt loam, till substratum, 0 to 2 percent slopes	Ockley		0
Montgomery	KfD2	Kendallville-Eldean silt loams, 12 to 18 percent slopes, eroded	Eldean	15	135
Montgomery	MfB	Miamian-Celina silt loams, 2 to 6 percent slopes	Miamian	4	164
Montgomery	MgF2	Miamian-Kendallville silt loams, 25 to 50 percent slopes, erode	Miamian	37.5	108
Montgomery	MhD3	Miamian-Losantville clay loams, 12 to 18 percent slopes, sever	Miamian	15	135
Montgomery	MwA	Millsdale silt loam, 0 to 2 percent slopes	Millsdale	1	164
Montgomery	PmB	Plattville silt loam, moderately wet, 2 to 6 percent slopes	Plattville	4	200
Montgomery	RaA	Rainsville silt loam, 0 to 2 percent slopes	Miamian		0
Montgomery	RpA	Rossburg silt loam, moderately wet, sandy substratum, 0 to 1 p	Rossburg	0.5	164
Montgomery	StA	Stonelick loam, gravelly substratum, 0 to 1 percent slopes, freq	Stonelick	0.5	272
Montgomery	CtA	Crosby-Celina silt loams, 0 to 2 percent slopes	Celina	1	151
Montgomery	CvA	Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Lewisburg	1	135
Montgomery	KoA	Kokomo silty clay loam, 0 to 1 percent slopes	Celina		0
Montgomery	LfB	Lewisburg-Celina silt loams, 2 to 6 percent slopes	Celina	4	164
Montgomery	MfB2	Miamian-Celina silt loams, 2 to 6 percent slopes, eroded	Celina	4	164
Montgomery	MhC3	Miamian-Losantville clay loams, 6 to 12 percent slopes, severe	Miamian	9	108
Montgomery	EmA	Eldean silt loam, 0 to 2 percent slopes	Westland	1	0
Montgomery	EmB	Eldean silt loam, 2 to 6 percent slopes	Lippincott	1	0
Montgomery	Sn	Sloan silt loam, sandy substratum, occasionally flooded	Adrian	1	151

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Preble	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	4	164
Preble	CeB2	Celina silt loam, 2 to 6 percent slopes, eroded	Celina	4	190
Preble	FmA	Fox silt loam, till substratum, 0 to 2 percent slopes	Ockley		0
Preble	MxA	Morningsun-Xenia silt loams, 0 to 2 percent slopes	Fincastle		0
Preble	MxB	Morningsun-Xenia silt loams, 2 to 6 percent slopes	Morningsun	4	164
Preble	MxB2	Morningsun-Xenia silt loams, 2 to 6 percent slopes, eroded	Morningsun	4	164
Preble	SwA	Sugarvalley-Fincastle silt loams, 0 to 2 percent slopes	Fincastle	1	164
Preble	XeA	Xenia silt loam, 0 to 2 percent slopes	Morningsun		0
Preble	XeB	Xenia silt loam, 2 to 6 percent slopes	Xenia	4	135
Preble	XeB2	Xenia silt loam, 2 to 6 percent slopes, eroded	Xenia	4	135
Preble	FcA	Fincastle silt loam, 0 to 2 percent slopes	Fincastle	1	135
Preble	MeD2	Miamian silt loam, 12 to 18 percent slopes, eroded	Miamian	15	108
Preble	CtA	Crosby-Celina silt loams, 0 to 2 percent slopes	Celina	1	220
Preble	CtB	Crosby-Celina silt loams, 2 to 4 percent slopes	Crosby	3	135
Preble	CvA	Crosby-Lewisburg silt loams, 0 to 2 percent slopes	Crosby	1	135
Preble	DaB	Dana silt loam, 2 to 6 percent slopes	Dana	4	164
Preble	DaA	Dana silt loam, 0 to 2 percent slopes	Fincastle		0
Preble	LgC3	Lewisburg clay loam, 6 to 12 percent slopes, severely eroded	Lewisburg	9	108
Preble	LfB2	Lewisburg-Celina clay loams, 2 to 6 percent slopes, eroded	Lewisburg	4	135
Preble	LeB	Lewisburg-Celina silt loams, 2 to 6 percent slopes	Celina	4	164
Preble	MeC2	Miamian silt loam, 6 to 12 percent slopes, eroded	Miamian	9	135
Preble	MeC	Miamian silt loam, 6 to 12 percent slopes	Miamian	9	108
Preble	MfB2	Miamian-Celina silt loams, 2 to 6 percent slopes, eroded	Celina	4	164
Preble	MfB	Miamian-Celina silt loams, 2 to 6 percent slopes	Miamian	4	164
Preble	MhD3	Miamian-Losantville clay loams, 12 to 18 percent slopes, severe	Miamian	15	135
Preble	MhC3	Miamian-Losantville clay loams, 6 to 12 percent slopes, severel	Losantville	9	108
Preble	MuB	Milton silt loam, 2 to 6 percent slopes	Milton	4	164
Preble	MuA	Milton silt loam, 0 to 2 percent slopes	Milton	1	164
Preble	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	164
Preble	RcA	Randolph silt loam, 0 to 2 percent slopes	Randolph	1	164
Preble	RcB	Randolph silt loam, 2 to 6 percent slopes	Randolph	4	164
Preble	RpA	Rossburg silt loam, moderately wet, sandy substratum, 0 to 1 p	Rossburg	0.5	164
Preble	ThA	Thackery silt loam, 0 to 2 percent slopes	Thackery	1	164
Preble	WyB2	Wynn silt loam, 2 to 6 percent slopes, eroded	Wynn	4	164
Preble	WyB	Wynn silt loam, 2 to 6 percent slopes	Wynn	4	220
Preble	EkA	Eldean loam, 0 to 2 percent slopes	Eldean	1	108

Preble	KeC2	Kendallville-Eldean silt loams, 6 to 12 percent slopes, eroded	Kendallville	9	164
Preble	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	1	135
Preble	EkB	Eldean loam, 2 to 6 percent slopes	Eldean	4	108
Preble	EgA	Eldean gravelly loam, 0 to 2 percent slopes	Eldean	1	108
Preble	EgB	Eldean gravelly loam, 2 to 6 percent slopes	Eldean	4	220
Preble	EgB2	Eldean gravelly loam, 2 to 6 percent slopes, eroded	Eldean	4	220
Preble	EkB2	Eldean loam, 2 to 6 percent slopes, eroded	Eldean	4	135
Preble	EhC3	Eldean gravelly clay loam, 6 to 12 percent slopes, severely erod	Eldean	9	108
Preble	EhD3	Eldean gravelly clay loam, 12 to 18 percent slopes, severely ero	Eldean	15	98
Preble	KeD2	Kendallville-Eldean silt loams, 12 to 18 percent slopes, eroded	Kendallville	15	135
Preble	CoA	Corwin silt loam, 0 to 2 percent slopes	Corwin	1	220
Preble	EeA	Eel silt loam, gravelly substratum, 0 to 1 percent slopes, occasi	Eel	0.5	108
Preble	KnA	Kokomo silt loam, 0 to 1 percent slopes	Kokomo	0.5	220
Preble	FmB	Fox silt loam, till substratum, 2 to 6 percent slopes	Fox	4	108
Preble	FmB2	Fox silt loam, till substratum, 2 to 6 percent slopes, eroded	Fox	4	135
Preble	MmE2	Miamian-Hennepin silt loams, 18 to 25 percent slopes, eroded	Miamian	22	108
Preble	HeF2	Hennepin-Miamian silt loams, 25 to 50 percent slopes, eroded	Hennepin	38	164
Preble	MnE3	Miamian-Hennepin clay loams, 18 to 25 percent slopes, severel	Miamian	22	108
Preble	MgE2	Miamian-Kendallville silt loams, 18 to 25 percent slopes, eroded	Miamian	22	108
Preble	MgF2	Miamian-Kendallville silt loams, 25 to 50 percent slopes, eroded	Miamian	37.5	108
Preble	MuB2	Milton silt loam, 2 to 6 percent slopes, eroded	Milton	4	164
Preble	MuC2	Milton silt loam, 6 to 12 percent slopes, eroded	Milton	9	164
Preble	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	220
Preble	RuB	Russell-Miamian silt loams, 2 to 6 percent slopes	Russell	4	164
Preble	RuB2	Russell-Miamian silt loams, 2 to 6 percent slopes, eroded	Russell	4	220
Preble	LpA	Lippincott silty clay loam, 0 to 2 percent slopes	Lippincott	1	220
Preble	SeA	Savona silt loam, 0 to 2 percent slopes	Savona	1	164
Preble	MaA	Medway silt loam, 0 to 1 percent slopes, occasionally flooded	Medway	0.5	108
Preble	MdC2	Miami loam, 6 to 12 percent slopes, eroded	Miami	9	108
Preble	MdD2	Miami loam, 12 to 18 percent slopes, eroded	Miami	15	108
Preble	McE2	Miami-Kendallville silt loams, 18 to 25 percent slopes, eroded	Miami	22	164
Preble	McF2	Miami-Kendallville silt loams, 25 to 50 percent slopes, eroded	Kendallville	37.5	164
Preble	MpA	Milford silty clay loam, 0 to 2 percent slopes	Milford	1	174
Preble	MrA	Milford silty clay loam, gravelly substratum, 0 to 2 percent slope	Milford	1	174
Preble	WbA	Warsaw loam, 0 to 2 percent slopes	Warsaw	1	164
Preble	CyA	Cyclone silt loam, 0 to 2 percent slopes	Cyclone	1	108
Preble	RaA	Rainsville silt loam, 0 to 2 percent slopes	Rainsville	1	135

Preble	RaB	Rainsville silt loam, 2 to 6 percent slopes	Rainsville	4.1	135
Preble	RaB2	Rainsville silt loam, 2 to 6 percent slopes, eroded	Rainsville	4.1	135
Preble	RnE2	Rodman gravelly loam, 18 to 25 percent slopes, eroded	Rodman	21.5	108
Preble	RnF2	Rodman gravelly loam, 25 to 50 percent slopes, eroded	Rodman	37.5	108
Preble	RoE2	Rodman-Kendallville complex, 18 to 25 percent slopes, eroded	Rodman	21.5	135
Preble	RoF2	Rodman-Kendallville complex, 25 to 50 percent slopes, eroded	Rodman	37.5	135
Preble	SnA	Sloan silt loam, sandy substratum, 0 to 1 percent slopes, freque	Sloan	0.5	272
Preble	ThB	Thackery silt loam, 2 to 6 percent slopes	Thackery	4	220
Preble	WnA	Westland silt loam, 0 to 2 percent slopes	Westland	1	220
Preble	MtA	Millsdale silty clay loam, 0 to 2 percent slopes	Millsdale	1	164
Preble	StA	Stonelick loam, gravelly substratum, 0 to 1 percent slopes, frequ	Stonelick	0.5	272
Preble	MwA	Morningsun silt loam, 0 to 2 percent slopes	Morningsun	1	220
Preble	HwE2	Hennepin-Wynn silt loams, 18 to 25 percent slopes, eroded	Hennepin	21.5	164
Preble	HwF2	Hennepin-Wynn silt loams, 25 to 50 percent slopes, eroded	Hennepin	38	164
Preble	MuD2	Milton silt loam, 12 to 18 percent slopes, eroded	Milton	15	164
Preble	MuE2	Milton silt loam, 18 to 25 percent slopes, eroded	Milton	21.5	164
Preble	PtB	Plattville silt loam, moderately wet, 2 to 6 percent slopes	Plattville	4	200
Preble	WyC2	Wynn silt loam, 6 to 12 percent slopes, eroded	Wynn	9	164
Preble	WyD2	Wynn silt loam, 12 to 18 percent slopes, eroded	Wynn	15	246
Preble	FdA	Fincastle silt loam, bedrock substratum, 0 to 2 percent slopes	Fincastle	1	135
Preble	XfB	Xenia silt loam, bedrock substratum, 2 to 6 percent slopes	Xenia	4	135
Preble	MyA	Mahalasville silt loam, 0 to 2 percent slopes	Mahalasville	1	200
Preble	MbB2	Miami silt loam, 2 to 6 percent slopes, eroded	Miami	4.1	164
Preble	MsA	Millsdale silt loam, 0 to 2 percent slopes	Millsdale	1	164

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Shelby	Ag	Algiers silt loam	Algiers	1	151
Shelby	BlA	Blount silt loam, 0 to 2 percent slopes	Blount	2	151
Shelby	BlB	Blount silt loam, 2 to 6 percent slopes	Blount	4	151
Shelby	Bs	Brookston silty clay loam	Brookston	1	249
Shelby	Ca	Carlisle muck	Carlisle	0.5	200
Shelby	CeA	Celina silt loam, 0 to 2 percent slopes	Celina	2	151
Shelby	CeB	Celina silt loam, 2 to 6 percent slopes	Celina	4	151
Shelby	CnA	Crane silt loam, 0 to 2 percent slopes	Crane	2	151
Shelby	CrA	Crosby silt loam, 0 to 2 percent slopes	Crosby	1	151
Shelby	CrB	Crosby silt loam, 2 to 6 percent slopes	Crosby	4	151
Shelby	Ee	Eel silt loam, occasionally flooded	Eel	1	151
Shelby	Ef	Eel Variant silt loam, occasionally flooded	Eel Variant	1	151
Shelby	ElA	Eldean loam, 0 to 2 percent slopes	Eldean	2	151
Shelby	ElB	Eldean loam, 2 to 6 percent slopes	Eldean	4	151
Shelby	EoC2	Eldean-Casco complex, 6 to 15 percent slopes, eroded	Eldean	8	98
Shelby	EsB2	Eldean-Morley complex, 2 to 6 percent slopes, eroded	Eldean	5	102
Shelby	EsC2	Eldean-Morley complex, 6 to 15 percent slopes, eroded	Eldean	11	102
Shelby	Ge	Genesee silt loam, occasionally flooded	Genesee	1	102
Shelby	GlB	Glynwood silt loam, 2 to 6 percent slopes	Glynwood	4	151
Shelby	GlB2	Glynwood silt loam, 2 to 6 percent slopes, eroded	Glynwood	4	174
Shelby	GlC2	Glynwood silt loam, 6 to 12 percent slopes, eroded	Glynwood	8	151
Shelby	GlD2	Glynwood silt loam, 12 to 18 percent slopes, eroded	Glynwood	14	102
Shelby	GmC3	Glynwood clay loam, 6 to 12 percent slopes, severely eroded	Glynwood	10	102
Shelby	GmD3	Glynwood clay loam, 12 to 18 percent slopes, severely eroded	Glynwood	14	125
Shelby	Md	Medway silt loam, occasionally flooded	Medway	1	102
Shelby	MhB	Miamian silt loam, 2 to 6 percent slopes	Miamian	4	151
Shelby	MhC2	Miamian silt loam, 6 to 12 percent slopes, eroded	Miamian	8	151
Shelby	MhD2	Miamian silt loam, 12 to 18 percent slopes, eroded	Miamian	14	102
Shelby	MhE	Miamian silt loam, 18 to 25 percent slopes	Miamian	20	131
Shelby	MhF	Miamian silt loam, 25 to 50 percent slopes	Miamian	35	131
Shelby	MlC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	8	102
Shelby	MoB	Milton silt loam, 2 to 6 percent slopes	Milton	3	151
Shelby	Mt	Montgomery silty clay loam	Montgomery	1	102
Shelby	Mw	Montgomery silty clay loam, gravelly substratum	Montgomery	1	102
Shelby	MxE	Morley silt loam, 18 to 25 percent slopes	Morley	20	102
Shelby	MxF	Morley silt loam, 25 to 50 percent slopes	Morley	35	75

Shelby	OcA	Ockley silt loam, 0 to 3 percent slopes	Ockley	1	151
Shelby	OdA	Odell silt loam, 0 to 2 percent slopes	Odell	2	151
Shelby	OdB	Odell silt loam, 2 to 6 percent slopes	Odell	4	151
Shelby	Pa	Patton silty clay loam	Patton	1	151
Shelby	Pd	Pewamo silt loam	Pewamo	1	151
Shelby	Pe	Pewamo silty clay loam	Pewamo	1	151
Shelby	Pg	Pits, gravel	Pits		0
Shelby	Sh	Shoals silt loam, occasionally flooded	Shoals	1	151
Shelby	St	Stonelick sandy loam, occasionally flooded	Stonelick	0.5	98
Shelby	Ud	Udorthents	Udorthents		0
Shelby	W	Water	Water		0
Shelby	Wb	Wallkill silty clay loam	Wallkill	0.5	200
Shelby	WdA	Warsaw Variant silt loam, 0 to 2 percent slopes	Warsaw Variant	2	151
Shelby	Af	Algiers silt loam	Algiers	1	102
Shelby	MnF	Miamian and Hennepin silt loams, 25 to 50 percent slopes	Miamian	38	131
Shelby	ObA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	115
Shelby	ObB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	102
Shelby	CdD2	Casco-Eldean complex, 12 to 18 percent slopes, moderately er	Casco	16	151
Shelby	MhE2	Miamian silt loam, 18 to 25 percent slopes, moderately eroded	Miamian	22	200
Shelby	MxC2	Morley silt loam, 6 to 12 percent slopes, moderately eroded	Morley	9	125
Shelby	DmA	Digby loam, 0 to 2 percent slopes	Sandy loam surface layer		0
Shelby	ElC	Eldean loam, 6 to 12 percent slopes	Eroded areas		0
Shelby	Mm	Millgrove clay loam	Frequently flooded areas along St. Mary's and Au		0
Shelby	FoC2	Fox-Miami silt loams, 6 to 12 percent slopes, moderately erode	Fox	9	79

County	Symbol	Map Unit Name	Component Name	% Slope	Slope Length
Warren	AbA	Abscota sand, calcareous variant	Abscota Variant	1	151
Warren	AfB	Alford silt loam, till substratum, 1 to 4 percent slopes	Alford	3	200
Warren	Ag	Algiers silt loam	Algiers	1	151
Warren	AvA	Avonburg silt loam, 0 to 2 percent slopes	Avonburg	1	200
Warren	AvB	Avonburg silt loam, 2 to 6 percent slopes	Avonburg	4	226
Warren	AvB2	Avonburg silt loam, 2 to 6 percent slopes, moderately eroded	Avonburg	4	151
Warren	BbB	Birkbeck silt loam, 1 to 4 percent slopes	Birkbeck	3	200
Warren	Bln3A	Blanchester silty clay loam, 0 to 1 percent slopes	Blanchester	0.5	200
Warren	Bln3A	Blanchester silty clay loam, 0 to 1 percent slopes	Clermont	0	499
Warren	BoD	Bonnell silt loam, 15 to 25 percent slopes	Bonnell	20	102
Warren	BoE	Bonnell silt loam, 25 to 35 percent slopes	Bonnell	30	102
Warren	Br	Brookston silty clay loam	Brookston	1	151
Warren	CcB2	Casco loam, 2 to 6 percent slopes, moderately eroded	Casco	4	102
Warren	CcC2	Casco loam, 6 to 12 percent slopes, moderately eroded	Casco	9	102
Warren	CdD2	Casco-Rodman complex, 12 to 18 percent slopes, moderately e	Casco	15	151
Warren	CeE2	Casco silt loam, 18 to 50 percent slopes, eroded	Casco	34	98
Warren	Cle1A	Clermont silt loam, 0 to 1 percent slopes	Blanchester	0	200
Warren	Cle1A	Clermont silt loam, 0 to 1 percent slopes	Clermont	0	299
Warren	Cle1A	Clermont silt loam, 0 to 1 percent slopes	Westboro	1	499
Warren	Cle1A	Clermont silt loam, 0 to 1 percent slopes	Schaffer	1	499
Warren	CmC2	Cincinnati silt loam, 8 to 15 percent slopes, eroded	Cincinnati	12	125
Warren	CnB	Cincinnati silt loam, 2 to 6 percent slopes	Cincinnati	4	102
Warren	CnB2	Cincinnati silt loam, 2 to 6 percent slopes, moderately eroded	Cincinnati	4	151
Warren	CnC2	Cincinnati silt loam, 6 to 12 percent slopes, moderately eroded	Cincinnati	9	102
Warren	CqC2	Crouse-Miamian silt loams, 6 to 12 percent slopes, eroded	Crouse	9	151
Warren	CqC2	Crouse-Miamian silt loams, 6 to 12 percent slopes, eroded	Miamian	9	151
Warren	CrB	Crider silt loam, 2 to 6 percent slopes	Crider	4	249
Warren	DaA	Dana silt loam, 0 to 2 percent slopes	Dana	1	151
Warren	DaB	Dana silt loam, 2 to 6 percent slopes	Dana	4	151
Warren	EbF	Eden flaggy silty clay loam, 40 to 60 percent slopes	Eden	50	125
Warren	EdB2	Eden complex, 2 to 6 percent slopes, moderately eroded	Eden	4	102
Warren	EdC2	Eden complex, 6 to 12 percent slopes, moderately eroded	Eden	9	102
Warren	EdD2	Eden complex, 12 to 18 percent slopes, moderately eroded	Eden	15	151
Warren	EdE2	Eden complex, 18 to 25 percent slopes, moderately eroded	Eden	22	102
Warren	EdF2	Eden complex, 25 to 35 percent slopes, moderately eroded	Eden	30	79
Warren	Ee	Eel loam	Eel	1	174
Warren	FaE2	Fairmount-Eden flaggy silty clay loams, 12 to 25 percent slopes	Fairmount	19	102
Warren	FaF2	Fairmount-Eden flaggy silty clay loams, 25 to 50 percent slopes	Fairmount	38	79
Warren	FhA	Fincastle silt loam, 0 to 2 percent slopes	Fincastle	1	200

Warren	FhB	Fincastle silt loam, 2 to 6 percent slopes	Fincastle	4	200
Warren	FiB	Fincastle silt loam, 2 to 4 percent slopes	Fincastle	3	200
Warren	FlA	Fox loam, 0 to 2 percent slopes	Fox	1	151
Warren	FlB	Fox loam, 2 to 6 percent slopes	Fox	4	200
Warren	FlB2	Fox loam, 2 to 6 percent slopes, moderately eroded	Fox	4	151
Warren	FlC2	Fox loam, 6 to 12 percent slopes, moderately eroded	Fox	9	102
Warren	FoD2	Fox-Casco complex, 12 to 18 percent slopes, moderately erode	Fox	15	151
Warren	Gd	Genesee fine sandy loam	Genesee	1	151
Warren	Gn	Genesee loam	Genesee	1	151
Warren	HeF	Hennepin silt loam, 25 to 35 percent slopes	Hennepin	30	79
Warren	HeF2	Hennepin silt loam, 25 to 35 percent slopes, moderately eroded	Hennepin	30	79
Warren	HiD2	Hickory silt loam, 12 to 18 percent slopes, eroded	Hickory	15	151
Warren	HiE2	Hickory silt loam, 18 to 25 percent slopes, eroded	Hickory	22	151
Warren	HiF2	Hickory silt loam, 25 to 35 percent slopes, eroded	Hickory	30	151
Warren	HmE	Hennepin-Miamian silt loams, 18 to 25 percent slopes	Hennepin	22	102
Warren	HmE2	Hennepin-Miamian silt loams, 18 to 25 percent slopes, moderat	Hennepin	22	102
Warren	HnD3	Hennepin-Miamian complex, 12 to 18 percent slopes, severely	Hennepin	15	151
Warren	HoB	Henshaw silt loam, 1 to 4 percent slopes	Henshaw	3	102
Warren	HrB2	Hickory silt loam, 2 to 6 percent slopes, moderately eroded	Hickory	4	174
Warren	HrC2	Hickory silt loam, 6 to 12 percent slopes, moderately eroded	Hickory	9	151
Warren	HrD2	Hickory silt loam, 12 to 18 percent slopes, moderately eroded	Hickory	15	151
Warren	HsC3	Hickory clay loam, 6 to 12 percent slopes, severely eroded	Hickory	9	102
Warren	HsD3	Hickory clay loam, 12 to 18 percent slopes, severely eroded	Hickory	15	151
Warren	HtE2	Hickory-Fairmount complex, 18 to 25 percent slopes, moderate	Hickory	22	102
Warren	HtF2	Hickory-Fairmount complex, 25 to 50 percent slopes, moderate	Hickory	38	79
Warren	HuE2	Hickory-Morrisville silt loams, 18 to 25 percent slopes, eroded	Hickory	22	151
Warren	HuE2	Hickory-Morrisville silt loams, 18 to 25 percent slopes, eroded	Morrisville	22	151
Warren	IvA	Iva silt loam, till substratum, 0 to 2 percent slopes	Iva	1	151
Warren	JrA	Jonesboro-Rossmoyne silt loams, 0 to 2 percent slopes	Jonesboro	1	200
Warren	JrA	Jonesboro-Rossmoyne silt loams, 0 to 2 percent slopes	Rossmoyne	1	200
Warren	JrB	Jonesboro-Rossmoyne silt loams, 2 to 6 percent slopes	Jonesboro	4	174
Warren	JrB	Jonesboro-Rossmoyne silt loams, 2 to 6 percent slopes	Rossmoyne	4	174
Warren	JrC2	Jonesboro-Rossmoyne silt loams, 6 to 12 percent slopes, erode	Jonesboro	9	151
Warren	JrC2	Jonesboro-Rossmoyne silt loams, 6 to 12 percent slopes, erode	Rossmoyne	9	151
Warren	KeB	Kendallville loam, 2 to 6 percent slopes	Kendallville	4	125
Warren	KeC2	Kendallville loam, 6 to 12 percent slopes, moderately eroded	Kendallville	9	102
Warren	Kg	Kings silty clay loam, thick surface variant	Kings Variant	1	151
Warren	Lg	Lanier sandy loam	Lanier	1	151
Warren	LiB	Libre silt loam, 2 to 6 percent slopes	Libre	4	151
Warren	LoC2	Loudon silt loam, 6 to 12 percent slopes, eroded	Loudon	9	151

Warren	LuF2	Lumberton silt loam, 25 to 50 percent slopes, eroded	Lumberton	38	98
Warren	MmB3	Miamian clay loam, 2 to 6 percent slopes, severely eroded	Miamian	4	151
Warren	MmC3	Miamian clay loam, 6 to 12 percent slopes, severely eroded	Miamian	9	151
Warren	MnD2	Miamian-Hennepin silt loams, 12 to 18 percent slopes, moderat	Miamian	15	151
Warren	MrC2	Miamian-Russell silt loams, 6 to 12 percent slopes, moderately	Miamian	9	102
Warren	MrC2	Miamian-Russell silt loams, 6 to 12 percent slopes, moderately	Russell	9	125
Warren	MsC2	Miamian silt loam, 6 to 12 percent slopes, eroded	Miamian	9	125
Warren	MsD2	Miamian silt loam, 12 to 18 percent slopes, eroded	Miamian	15	151
Warren	MtF2	Miamian-Thrifton complex, 25 to 50 percent slopes, eroded	Miamian	38	98
Warren	MtF2	Miamian-Thrifton complex, 25 to 50 percent slopes, eroded	Thrifton	38	98
Warren	Mu	Muck	Muck	0.5	102
Warren	OcA	Ockley silt loam, 0 to 2 percent slopes	Ockley	1	151
Warren	OcB	Ockley silt loam, 2 to 6 percent slopes	Ockley	4	249
Warren	OcB2	Ockley silt loam, 2 to 6 percent slopes, moderately eroded	Ockley	4	200
Warren	PaB	Parke silt loam, 2 to 6 percent slopes	Parke	4	200
Warren	PaD2	Parke silt loam, 6 to 18 percent slopes, moderately eroded	Parke	12	151
Warren	Pb	Patton silt loam, silted	Patton	0.5	200
Warren	Pc	Patton silty clay loam	Patton	1	200
Warren	PlB	Plattville silt loam, 1 to 6 percent slopes	Plattville	3	200
Warren	PrB	Princeton fine sandy loam, 2 to 6 percent slopes	Princeton	4	151
Warren	PrC2	Princeton fine sandy loam, 6 to 12 percent slopes, moderately e	Princeton	9	102
Warren	Ra	Ragsdale silty clay loam	Ragsdale	1	200
Warren	RbA	Rainsboro silt loam, 0 to 2 percent slopes	Rainsboro	1	174
Warren	RbB	Rainsboro silt loam, 2 to 6 percent slopes	Rainsboro	4	200
Warren	Re	Reesville silt loam	Reesville	1	200
Warren	RkE2	Rodman and Casco gravelly loams, 18 to 25 percent slopes, m	Casco	22	102
Warren	RmA	Ross loam, 0 to 1 percent slopes, occasionally flooded	Ross	1	200
Warren	Rn	Ross loam	Ross	1	200
Warren	RoB2	Rossmoyne silt loam, 3 to 8 percent slopes, eroded	Rossmoyne	6	174
Warren	RoC2	Rossmoyne silt loam, 8 to 15 percent slopes, eroded	Rossmoyne	12	151
Warren	RpA	Rossmoyne silt loam, 0 to 2 percent slopes	Rossmoyne	1	200
Warren	RpB	Rossmoyne silt loam, 2 to 6 percent slopes	Rossmoyne	4	174
Warren	RpB2	Rossmoyne silt loam, 2 to 6 percent slopes, moderately eroded	Rossmoyne	4	174
Warren	RpC2	Rossmoyne silt loam, 6 to 12 percent slopes, moderately erode	Rossmoyne	9	151
Warren	RsB3	Rossmoyne silty clay loam, 2 to 6 percent slopes, severely erod	Rossmoyne	4	174
Warren	RsC3	Rossmoyne silty clay loam, 6 to 12 percent slopes, severely ero	Rossmoyne	9	151
Warren	RvA	Russell-Miamian silt loams, 0 to 2 percent slopes	Russell	1	151
Warren	RvB	Russell-Miamian silt loams, 2 to 6 percent slopes	Russell	4	151
Warren	RvB2	Russell-Miamian silt loams, 2 to 6 percent slopes, moderately e	Russell	4	151
Warren	RxB2	Russell-Xenia silt loams, 2 to 6 percent slopes, eroded	Russell	4	174

Warren	RxB2	Russell-Xenia silt loams, 2 to 6 percent slopes, eroded	Xenia	4	174
Warren	Sec1A	Secondcreek silt loam, 0 to 1 percent slopes, overwash	Secondcreek	0.5	200
Warren	Sec1A	Secondcreek silt loam, 0 to 1 percent slopes, overwash	Westboro	1	499
Warren	Sec1A	Secondcreek silt loam, 0 to 1 percent slopes, overwash	Clermont	0	499
Warren	Sec3A	Secondcreek silty clay loam, 0 to 1 percent slopes	Secondcreek	0.5	200
Warren	Sec3A	Secondcreek silty clay loam, 0 to 1 percent slopes	Clermont	0	499
Warren	Sec3A	Secondcreek silty clay loam, 0 to 1 percent slopes	Westboro	1	499
Warren	Sh	Shoals silt loam	Shoals	1	151
Warren	SlA	Sligo silt loam, 0 to 1 percent slopes, occasionally flooded	Sligo	1	200
Warren	SnA	Sloan silt loam, sandy substratum, 0 to 1 percent slopes, occas	Sloan	1	151
Warren	So	Sloan silty clay loam	Sloan	0.5	200
Warren	St	Stonelick fine sandy loam, frequently flooded	Stonelick	1	200
Warren	SyA	Stringley-Sligo loams, 0 to 2 percent slopes, occasionally flood	Stringley	1	200
Warren	SyA	Stringley-Sligo loams, 0 to 2 percent slopes, occasionally flood	Sligo	1	200
Warren	TpA	Treaty silt loam, 0 to 1 percent slopes, overwash	Treaty	1	200
Warren	TrA	Treaty silty clay loam, 0 to 1 percent slopes	Treaty	1	200
Warren	UnB	Uniontown silt loam, 1 to 6 percent slopes	Uniontown	4	200
Warren	WaA	Warsaw loam, 0 to 2 percent slopes	Warsaw	1	151
Warren	WaB	Warsaw loam, 2 to 6 percent slopes	Warsaw	4	151
Warren	WcC3	Wapahani-Miamian clay loams, 6 to 12 percent slopes, severel	Wapahani	9	151
Warren	WcC3	Wapahani-Miamian clay loams, 6 to 12 percent slopes, severel	Miamian	9	151
Warren	WeA	Wea silt loam, 0 to 2 percent slopes	Wea	1	151
Warren	WfA	Westboro-Schaffer silt loams, 0 to 2 percent slopes	Westboro	1	299
Warren	WfA	Westboro-Schaffer silt loams, 0 to 2 percent slopes	Schaffer	1	299
Warren	WfB	Westboro-Schaffer silt loams, 2 to 4 percent slopes	Westboro	3	299
Warren	WfB	Westboro-Schaffer silt loams, 2 to 4 percent slopes	Schaffer	3	299
Warren	WlA	Williamsburg silt loam, 0 to 2 percent slopes	Williamsburg	1	151
Warren	WlB	Williamsburg silt loam, 2 to 6 percent slopes	Williamsburg	4	200
Warren	WlC2	Williamsburg silt loam, 6 to 12 percent slopes, moderately erod	Williamsburg	9	102
Warren	WyB	Wynn silt loam, 2 to 6 percent slopes	Wynn	4	200
Warren	WyB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded	Wynn	4	151
Warren	WyC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded	Wynn	9	102
Warren	WyC3	Wynn silt loam, 6 to 12 percent slopes, severely eroded	Wynn	9	102
Warren	XeA	Xenia silt loam, 0 to 2 percent slopes	Xenia	1	200
Warren	XeB	Xenia silt loam, 2 to 6 percent slopes	Xenia	4	200
Warren	XeB2	Xenia silt loam, 2 to 6 percent slopes, moderately eroded	Xenia	4	200