

## Land Capability Classification

The land capability classification of map units in the survey area is shown in this table. This classification shows, in a general way, the suitability of soils for most kinds of field crops (United States Department of Agriculture, Soil Conservation Service, 1961). Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for forestland, or for engineering purposes.

In the capability system, soils are generally grouped at three levels: capability class, subclass, and unit.

*Capability classes*, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

- Class 1 soils have slight limitations that restrict their use.
- Class 2 soils have moderate limitations that restrict the choice of plants or that require moderate conservation practices.
- Class 3 soils have severe limitations that restrict the choice of plants or that require special conservation practices, or both.
- Class 4 soils have very severe limitations that restrict the choice of plants or that require very careful management, or both.
- Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.
- Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.
- Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.
- Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

*Capability subclasses* are soil groups within one class. They are designated by adding a small letter, *e*, *w*, *s*, or *c*, to the class numeral, for example, 2e. The letter *e* shows that the main hazard is the risk of erosion unless close-growing plant cover is maintained; *w* shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); *s* shows that the soil is limited mainly because it is shallow, droughty, or stony; and *c*, used in only some parts of the United States, shows that the chief limitation is climate that is very cold or very dry.

In class 1 there are no subclasses because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by *w*, *s*, or *c* because the soils in class 5 are subject to little or no erosion.

## Report—Land Capability Classification

Land Capability Classification—Fayette County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
Ag—Algiers silt loam				
	90	Algiers	2w	—
Bs—Brookston silty clay loam, fine texture, 0 to 2 percent slopes				
	90	Brookston	2w	—
CaB2—Cana silt loam, 2 to 6 percent slopes, moderately eroded				
	90	Cana	2e	—
CaC2—Cana silt loam, 6 to 12 percent slopes, moderately eroded				
	98	Cana	3e	—
CdC2—Casco and Rodman soils, 2 to 12 percent slopes, moderately eroded				
	50	Casco	4e	—
	50	Rodman	4s	—
CeA—Celina silt loam, 0 to 2 percent slopes				
	90	Celina	1	—
CeB—Celina silt loam, 2 to 6 percent slopes				
	85	Celina	2e	—
CeB2—Celina silt loam, 2 to 6 percent slopes, moderately eroded				
	90	Celina	2e	—
CgB—Celina-Losantville silt loams, 2 to 6 percent slopes				
	50	Celina	2e	—
	30	Losantville	2e	—
CgB2—Celina-Losantville silt loams, 2 to 6 percent slopes, eroded				
	60	Celina	2e	—
	30	Losantville	2e	—
CoB—Corwin silt loam, 2 to 6 percent slopes				
	90	Corwin	2e	—

Land Capability Classification--Fayette County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
CrA—Crosby silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes				
	90	Crosby	2w	—
CrB—Crosby silt loam, Southern Ohio Till Plain, 2 to 6 percent slopes				
	90	Crosby	2e	—
CsA—Crosby-Celina silt loams, 0 to 2 percent slopes				
	70	Crosby	2w	—
	15	Celina	1	—
CsB—Crosby-Celina silt loams, 2 to 4 percent slopes				
	60	Crosby	2e	—
	30	Celina	2e	—
CtA—Crosby-Lewisburg silt loams, 0 to 2 percent slopes				
	55	Crosby	2w	—
	35	Lewisburg	2w	—
CtB—Crosby-Lewisburg silt loams, 2 to 6 percent slopes				
	55	Crosby	2e	—
	35	Lewisburg	2e	—
EIB—Eldean silt loam, 2 to 6 percent slopes				
	90	Eldean	2e	—
FmC2—Fox loam, 6 to 12 percent slopes, eroded				
	85	Fox	3e	—
FnA—Fox silt loam, 0 to 2 percent slopes				
	100	Fox	2s	—
FnB—Fox silt loam, 2 to 6 percent slopes				
	100	Fox	2e	—
FnB2—Fox silt loam, 2 to 6 percent slopes, moderately eroded				
	100	Fox	2e	—
FnC2—Fox silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Fox	3e	—

Land Capability Classification--Fayette County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
FoC3—Fox and Casco soils, 6 to 12 percent slopes, severely eroded				
	50	Fox	4e	—
	50	Casco	4e	—
FrE2—Fox, Casco, and Rodman soils, 12 to 25 percent slopes, moderately eroded				
	40	Fox	6e	—
	30	Casco	6e	—
	30	Rodman	7s	—
Gn—Genesee silt loam				
	95	Genesee	2w	—
Go—Gessie silt loam, occasionally flooded				
	80	Gessie	2w	—
Gp—Gravel pits				
	100	Gravel pits	—	—
HaE—Hennepin-Miamian silt loams, 18 to 25 percent slopes				
	50	Hennepin	6e	—
	35	Miamian	6e	—
HaF—Hennepin-Miamian silt loams, 25 to 50 percent slopes				
	55	Hennepin	7e	—
	30	Miamian	7e	—
HeA—Henshaw silt loam, 0 to 2 percent slopes				
	95	Henshaw	2w	—
HkA—Henshaw silt loam, dark variant, 0 to 2 percent slopes				
	95	Henshaw variant	2w	—
KeB—Kendallville silt loam, 2 to 6 percent slopes				
	100	Kendallville	2e	—
KeB2—Kendallville silt loam, 2 to 6 percent slopes, moderately eroded				
	100	Kendallville	2e	—
KeC2—Kendallville silt loam, 6 to 12 percent slopes, moderately eroded				
	100	Kendallville	3e	—

Land Capability Classification--Fayette County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
KIC3--Kendallville clay loam, 6 to 12 percent slopes, severely eroded				
	100	Kendallville	4e	—
KID3--Kendallville clay loam, 12 to 18 percent slopes, severely eroded				
	100	Kendallville	6e	—
Ko--Kokomo silt loam, overwash				
	90	Kokomo	2w	—
Kp--Kokomo silty clay loam, 0 to 2 percent slopes				
	90	Kokomo	2w	—
LeB--Lewisburg-Celina silt loams, 2 to 6 percent slopes				
	50	Lewisburg	2e	—
	30	Celina	2e	—
Md--Medway silt loam				
	90	Medway	2w	—
Me--Medway silt loam, moderately shallow variant				
	90	Medway variant	2w	—
MIB--Miamian silt loam, 2 to 6 percent slopes				
	85	Miamian	2e	—
MIB2--Miamian silt loam, 2 to 6 percent slopes, eroded				
	85	Miamian, eroded	2e	—
MIC--Miamian silt loam, 6 to 12 percent slopes				
	95	Miamian	3e	—
MIC2--Miamian silt loam, 6 to 12 percent slopes, moderately eroded				
	95	Miamian	3e	—
MID2--Miamian silt loam, 12 to 18 percent slopes, moderately eroded				
	100	Miamian	4e	—
MmB3--Miamian clay loam, 2 to 6 percent slopes, severely eroded				
	95	Miamian	3e	—
MmC3--Miamian clay loam, shallow to dense till substratum, 6 to 12 percent slopes, severely eroded				
	90	Miamian, severely eroded	4e	—

Land Capability Classification--Fayette County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
MmD3—Miamiian clay loam, 12 to 18 percent slopes, severely eroded				
	100	Miamian	6e	—
MnC2—Miamiian-Kendallville silt loams, 6 to 12 percent slopes, eroded				
	63	Miamian	3e	—
	30	Kendallville	3e	—
MpE2—Miamiian and Hennepin silt loams, 18 to 25 percent slopes, moderately eroded				
	50	Miamian	6e	—
	50	Hennepin	6e	—
MpF2—Miamiian and Hennepin silt loams, 25 to 35 percent slopes, moderately eroded				
	50	Miamian	7e	—
	50	Hennepin	7e	—
MrF3—Miamiian and Hennepin soils, 18 to 35 percent slopes, severely eroded				
	50	Miamian	7e	—
	50	Hennepin	7e	—
Ms—Millsdale silty clay loam				
	100	Millsdale	3w	—
MtB—Milton silt loam, 2 to 6 percent slopes				
	95	Milton	2e	—
MtB2—Milton silt loam, 2 to 6 percent slopes, moderately eroded				
	95	Milton	2e	—
MtC2—Milton silt loam, 6 to 12 percent slopes, moderately eroded				
	95	Milton	3e	—
OdA—Odell silt loam, 0 to 2 percent slopes				
	95	Odell	2w	—
Pa—Patton silty clay loam				
	100	Patton	2w	—
Pc—Patton silty clay loam, overwash				
	100	Patton	2w	—
Qu—Quarries				
	100	Quarries	—	—

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			Nonirrigated	Irrigated
RcB—Randolph silt loam, 2 to 6 percent slopes				
	95	Randolph	3e	—
RmC—Ritchey and Romeo silt loams, 2 to 12 percent slopes				
	50	Romeo	6s	—
	50	Ritchey	4e	—
RmF2—Ritchey and Romeo silt loams, 12 to 35 percent slopes, moderately eroded				
	50	Ritchey	7e	—
	50	Romeo	6s	—
Rs—Ross silt loam				
	95	Ross	2w	—
SIA—Sleeth silt loam, 0 to 2 percent slopes				
	95	Sleeth	2w	—
Sr—Sloan silt loam, sandy substratum, 0 to 1 percent slopes, occasionally flooded				
	90	Sloan	3w	—
St—Sloan silty clay loam, occasionally flooded				
	80	Sloan	3w	—
Su—Sloan silty clay loam, frequently flooded				
	90	Sloan	3w	—
ThB—Thackery silt loam, 1 to 4 percent slopes				
	95	Thackery	2e	—
TkC3—Thrifton clay loam, 6 to 12 percent slopes, severely eroded				
	85	Thrifton	4e	—
TkD3—Thrifton clay loam, 12 to 20 percent slopes, severely eroded				
	85	Thrifton	6e	—
TkE3—Thrifton clay loam, 20 to 35 percent slopes, severely eroded				
	90	Thrifton	7e	—
TrA—Treaty silty clay loam, 0 to 1 percent slopes				
	90	Treaty	2w	—
Ud—Udorthents				
	100	Udorthents	—	—

Land Capability Classification--Fayette County, Ohio				
Map unit symbol and name	Pct. of map unit	Component name	Land Capability Subclass	
			Nonirrigated	Irrigated
W—Water				
	100	Water	—	—
WaC3—Wapahani-Miamian clay loams, 6 to 12 percent slopes, severely eroded				
	70	Wapahani	4e	—
	20	Miamian	4e	—
WaD3—Wapahani-Miamian clay loams, 12 to 18 percent slopes, severely eroded				
	60	Wapahani	6e	—
	30	Miamian	4e	—
We—Warners muck				
	100	Warners	4w	—
WrB—Warsaw silt loam, 1 to 4 percent slopes				
	100	Warsaw	2e	—
WsA—Wea silt loam, 0 to 2 percent slopes				
	100	Wea	1	—
Wt—Westland clay loam				
	85	Westland	2w	—
Wu—Westland silty clay loam				
	95	Westland	2w	—
Wv—Westland silty clay loam, overwash				
	100	Westland	2w	—

## Data Source Information

Soil Survey Area: Fayette County, Ohio  
 Survey Area Data: Version 11, Sep 18, 2014