

<b>Soil Legends</b>
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A soil legend includes a list of symbols and names that identify each soil map unit in the soil survey area. The symbol serves as a link between the map sheets, detailed soil map unit descriptions, and tables with soil properties and interpretations information. In published soil survey reports, the legend is located in the index to map units and on the back of the Index to Map Sheets. Individual symbols precede the map unit name in the “soil descriptions” section and represent specific areas on the map sheets.

Currently, map unit symbols vary by county and consist of numbers, letters, or a combination of numbers and letters (examples: 33, Br, MoD2, 10C, 50008). Counties with symbols of one, two, or three digits or two letters represent the kind of soil or miscellaneous land areas. A capital letter of A, B, C, D, E, or F following a number or lower case letter indicates the class of slopes. Soils without a slope letter are for those map units that are nearly level. A final number of 2 following a letter indicates that the soil is eroded. A number 3 indicates that the soil is severely eroded. Miscellaneous areas with a considerable range of slope may not have slope classes indicated.

Newer soil surveys in Missouri will use a five digit map unit symbols in the soil legend. The five digit map unit symbols are the start of an effort to develop a statewide soil legend. The first digit will identify the Major Land Resource Area (MLRA) and the remaining four digits will identify the landform for the map unit. Example:

<b>MLRA</b>	<b>Symbol Number</b>	<b>Landform Number</b>	<b>Landform Name</b>
107	10000	10000-12499	Upland
		12500-13499	Stream terrace
		13500-14999	Flood plain

*This subsection includes:*

- **(a) Soil Map Units in the County**

Table 4.--Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Acres	Percent
40000	Barden silt loam, 1 to 3 percent slopes-----	20,694	5.0
40011	Barco loam, 1 to 3 percent slopes-----	2,180	0.5
40015	Eldorado silt loam, 1 to 3 percent slopes, very stony-----	6,604	1.6
40016	Eldorado very gravelly silt loam, 3 to 8 percent slopes, very stony-----	29,268	7.1
40017	Maplegrove silt loam, 1 to 3 percent slopes-----	81,151	19.8
40018	Medoc silt loam, 0 to 1 percent slopes-----	5,657	1.4
40019	Newtonia-Eldorado silt loams, 1 to 3 percent slopes-----	54,745	13.3
40020	Newtonia-Eldorado silt loams, 1 to 3 percent slopes, moderately eroded---	637	0.2
40021	Opolis-Hepler silt loams, 1 to 15 percent slopes-----	2,971	0.7
40022	Opolis silt loam, 0 to 1 percent slopes-----	7,732	1.9
40023	Opolis silt loam, 1 to 3 percent slopes-----	11,060	2.7
40024	Opolis loam, 1 to 3 percent slopes, moderately eroded-----	1,034	0.3
40026	Sylvania gravelly silt loam, 1 to 3 percent slopes-----	1,045	0.3
40027	Sylvania very gravelly silt loam, 3 to 8 percent slopes-----	2,041	0.5
40028	Sylvania loam, 3 to 8 percent slopes-----	4,135	1.0
40029	Sylvania loam, 8 to 15 percent slopes-----	2,337	0.6
44000	Cherokee silt loam, 0 to 1 percent slopes-----	13,818	3.4
44002	Carl silty clay loam, 0 to 1 percent slopes, rarely flooded-----	7,520	1.8
44004	McCune silt loam, 0 to 1 percent slopes-----	2,846	0.7
46001	Verdigris silt loam, 0 to 1 percent slopes, frequently flooded-----	8,366	2.0
46002	Hepler silt loam, 0 to 1 percent slopes, occasionally flooded-----	6,281	1.5
46004	Osage silty clay loam, 0 to 1 percent slopes, occasionally flooded-----	600	0.1
46005	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded-----	14,884	3.6
70006	Creldon silt loam, 1 to 3 percent slopes-----	568	0.1
70012	Hoberg silt loam, 2 to 5 percent slopes-----	272	*
70045	Keeno gravelly silt loam, 3 to 8 percent slopes-----	604	0.1
70056	Crackerneck extremely gravelly silt loam, 8 to 15 percent slopes-----	272	*
70057	Crackerneck extremely gravelly silt loam, 15 to 35 percent slopes-----	1,871	0.5
70058	Crackerneck very gravelly silt loam, 3 to 8 percent slopes-----	1,227	0.3
70059	Goss extremely gravelly silt loam, 15 to 35 percent slopes, rocky-----	4,132	1.0
70060	Hoberg-Eldorado-Pomme silt loams, 1 to 3 percent slopes-----	4,310	1.1
70061	Pomme silt loam, karst, 1 to 3 percent slopes-----	3,689	0.9
70062	Pomme-Rueter complex, 1 to 3 percent slopes-----	17,154	4.2
70063	Rueter extremely gravelly silt loam, 8 to 15 percent slopes, very stony--	26,533	6.5
70064	Rueter very gravelly silt loam, 1 to 3 percent slopes-----	6,335	1.5
70065	Rueter very gravelly silt loam, 3 to 8 percent slopes-----	14,128	3.4
70066	Winnipeg silt loam, 1 to 3 percent slopes-----	5,585	1.4
71751	Bearthicket silt loam, 0 to 1 percent slopes, occasionally flooded-----	9,583	2.3
73031	Gerald silt loam, 0 to 2 percent slopes-----	3,245	0.8
75376	Cedargap gravelly silt loam, 0 to 3 percent slopes, frequently flooded---	14,950	3.6
99000	Pits and Quarries-----	667	0.2
99001	Water-----	920	0.2
99002	Borrow areas-----	205	*
99003	Miscellaneous water-----	349	*
99005	Landfill-----	211	*
99010	Dumps and Pits complex-----	5,802	1.4
99011	Kanima very channery loam, 3 to 50 percent slopes-----	175	*
	Total-----	410,393	100.0

\* Less than 0.1 percent.

Table 5.--Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Map unit name
40000	Barden silt loam, 1 to 3 percent slopes
40011	Barco loam, 1 to 3 percent slopes
40017	Maplegrove silt loam, 1 to 3 percent slopes
40018	Medoc silt loam, 0 to 1 percent slopes
40019	Newtonia-Eldorado silt loams, 1 to 3 percent slopes
40020	Newtonia-Eldorado silt loams, 1 to 3 percent slopes, moderately eroded
40022	Opolis silt loam, 0 to 1 percent slopes
40023	Opolis silt loam, 1 to 3 percent slopes
40024	Opolis loam, 1 to 3 percent slopes, moderately eroded
44000	Cherokee silt loam, 0 to 1 percent slopes
44002	Carl silty clay loam, 0 to 1 percent slopes, rarely flooded (where drained)
44004	McCune silt loam, 0 to 1 percent slopes
46001	Verdigris silt loam, 0 to 1 percent slopes, frequently flooded (where protected from flooding or not frequently flooded during the growing season)
46002	Hepler silt loam, 0 to 1 percent slopes, occasionally flooded
46004	Osage silty clay loam, 0 to 1 percent slopes, occasionally flooded (where drained)
46005	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded
70006	Creldon silt loam, 1 to 3 percent slopes
70061	Pomme silt loam, karst, 1 to 3 percent slopes
70062	Pomme-Rueter complex, 1 to 3 percent slopes
70066	Winnipeg silt loam, 1 to 3 percent slopes
71751	Bearthicket silt loam, 0 to 1 percent slopes, occasionally flooded
73031	Gerald silt loam, 0 to 2 percent slopes