

Soil Map Units with NR 243 Prohibitions on Manure Applications - 2015

These prohibitions apply only to farms with WPDES permits and are not part of the 590 Standard.

CAFO Manure Prohibition code

R= depth to bedrock 24 inches or less

W = depth to apparent water table 24 inches or less

A + means either restriction may be present, site inspection required for identification

County	Map unit symbol	Map unit name	NR 243 manure application restriction
Adams	Ad	Adrian muck	w
Adams	AIA	Algansee loamy sand, 0 to 3 percent slopes	w
Adams	An	Aquents, sandy	w
Adams	Au	Au Gres loamy sand	w
Adams	BpF	Boone-Rock outcrop complex, 25 to 45 percent slopes	r
Adams	BsA	Brems-Newson loamy sands, 0 to 3 percent slopes	w
Adams	EvB	Elkmound loamy sand, 2 to 6 percent slopes	r
Adams	Hm	Houghton muck	w
Adams	LDF	Landfill	+
Adams	Le	Leola loamy sand	w
Adams	MbA	Manawa silt loam, 0 to 3 percent slopes	w
Adams	MoA	Meehan loamy sand, 0 to 3 percent slopes	w
Adams	Ne	Newson loamy sand	w
Adams	Pa	Palms muck, 0 to 2 percent slopes	w
Adams	Pd	Pits	+
Adams	Ps	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Adams	Pw	Psammaquents, nearly level	w
Adams	QUA	Quarry	+
Ashland	1204B	Denomie-Gichigami complex, 2 to 6 percent slopes	w
Ashland	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Ashland	193A	Minocqua muck, 0 to 2 percent slopes	w
Ashland	2015	Pits	+
Ashland	2030	Udorthents and Udipsamments, cut or fill	+
Ashland	2050	Landfill	+
Ashland	280C	Odanah silt loam, 6 to 15 percent slopes	w
Ashland	280D	Odanah silt loam, 15 to 25 percent slopes	w
Ashland	280F	Odanah silt loam, 25 to 60 percent slopes	w
Ashland	3114A	Saprists, Aquents, and Aquepts, 0 to 1 percent slopes, ponded and flood	w
Ashland	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Ashland	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Ashland	3423A	Rifle peat, 0 to 1 percent slopes	w
Ashland	3454B	Odanah-Cornucopia complex, 2 to 6 percent slopes	w
Ashland	3609C	Abbaye loamy sand, 6 to 15 percent slopes	w
Ashland	375A	Robago fine sandy loam, lake terrace, 0 to 3 percent slopes	w
Ashland	388B	Pelkie, occasionally flooded-Dechamps, frequently flooded complex, 0 to 3 percent slopes	w

NR 243
manure
application
restriction

County	Map unit symbol	Map unit name	
Ashland	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Ashland	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Ashland	414A	Loxley and Beseman soils, 0 to 1 percent slopes	w
Ashland	445A	Kinross muck, 0 to 2 percent slopes	w
Ashland	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Ashland	5140A	Dawson, Greenwood, and Loxley soils, 0 to 1 percent slopes	w
Ashland	5141A	Lupton-Pleine-Cathro complex, 0 to 1 percent slopes	w
Ashland	514B	Iosco loamy sand, 0 to 4 percent slopes	w
Ashland	5170A	Minocqua-Pleine-Cathro complex, 0 to 2 percent slopes	w
Ashland	520A	Annriver silt loam, 0 to 2 percent slopes	w
Ashland	5369D	Dishno-Gogebic-Peshekee-Rock outcrop complex, 18 to 35 percent slopes	r
Ashland	5369E	Michigamme-Schweitzer-Peshekee-Rock outcrop complex, 35 to 55 percent slopes	r
Ashland	5369F	Michigamme-Schweitzer-Peshekee-Rock outcrop complex, 55 to 75 percent slopes	r
Ashland	5373A	Cathro muck, drainageway, 0 to 1 percent slopes	w
Ashland	5374A	Bowstring-Arnheim complex, 0 to 1 percent slopes, frequently flooded	w
Ashland	5425A	Foxpaw-Gay, stony complex, 0 to 2 percent slopes	w
Ashland	5504A	Moquah-Arnheim complex, 0 to 3 percent slopes, frequently flooded	w
Ashland	5543B	Chabeneau-Annalake complex, 0 to 6 percent slopes	w
Ashland	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Ashland	597A	Meehan sand, beaches, 0 to 2 percent slopes	w
Ashland	5A	Arnheim mucky silt loam, 0 to 1 percent slopes, frequently flooded	w
Ashland	603B	Redrim very cobbly sand, 0 to 6 percent slopes, very stony	r
Ashland	610B	Zeba sandy loam, 0 to 6 percent slopes, very stony	w
Ashland	611B	Abbaye-Lapoin complex, 0 to 6 percent slopes	w
Ashland	614B	Abbaye-Zeba complex, 0 to 6 percent slopes, very stony	w
Ashland	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Ashland	701A	Whisklake silt loam, 0 to 3 percent slopes	w
Ashland	755A	Moppet, occasionally flooded-Fordum, frequently flooded complex, 0 to 10 percent slopes	w
Ashland	809C	Gogebic-Metonga-Rock outcrop complex, 6 to 18 percent slopes, very stony	r
Ashland	809D	Gogebic-Metonga-Rock outcrop complex, 10 to 35 percent slopes, very stony	r
Ashland	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Ashland	830A	Spiderlake silt loam, 0 to 3 percent slopes, stony	w
Ashland	9050A	Fordum, Totagatic, and Bowstring soils, 0 to 1 percent slopes, frequently flooded	w
Ashland	9155A	Haplosaprists, Peats and Mucks, 0 to 1 percent slopes	w
Ashland	925C	Rock outcrop-Ishpeming complex, 0 to 15 percent slopes	r
Barron	AmD	Amery-Greenwood complex, 0 to 35 percent slopes	w
Barron	Be	Beseman peat, 0 to 1 percent slopes	w
Barron	Fm	Fordum silt loam, 0 to 2 percent slopes	w
Barron	Gr	Greenwood peat, 0 to 1 percent slopes	w
Barron	Me	Markey muck, 0 to 1 percent slopes	w
Barron	Mh	Meehan loamy sand, 0 to 2 percent slopes	w
Barron	Ns	Newson loamy sand, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Barron	Oe	Oesterle sandy loam, 0 to 2 percent slopes	w
Barron	Pc	Pits, gravel	+
Barron	Px	Poskin silt loam, 0 to 2 percent slopes	w
Barron	Rb	Rib silt loam, 0 to 2 percent slopes	w
Barron	Sm	Seelyeville and Cathro mucks, 0 to 1 percent slopes	w
Barron	Va	Vancecreek silt loam, 0 to 2 percent slopes	w
Bayfield	1760C	Keweenaw, stony-Pence, stony-Cathro complex, 0 to 15 percent slopes	w
Bayfield	1760E	Keweenaw, stony-Pence, stony-Cathro complex, 0 to 45 percent slopes	w
Bayfield	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Bayfield	193A	Minocqua muck, 0 to 2 percent slopes	w
Bayfield	2015	Pits	+
Bayfield	2030	Udorthents and Udipsamments, cut or fill	+
Bayfield	2050	Landfill	+
Bayfield	280C	Odanah silt loam, 6 to 15 percent slopes	w
Bayfield	280D	Odanah silt loam, 15 to 25 percent slopes	w
Bayfield	280F	Odanah silt loam, 25 to 60 percent slopes	w
Bayfield	309C	Metonga-Rock outcrop complex, 6 to 20 percent slopes	r
Bayfield	309E	Metonga-Rock outcrop complex, 20 to 45 percent slopes	r
Bayfield	3114A	Sapristis, Aquepts, and Aquepts, 0 to 1 percent slopes, ponded, flooded	w
Bayfield	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Bayfield	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Bayfield	3423A	Rifle peat, 0 to 1 percent slopes	w
Bayfield	3424C	Frogcreek-Magroc-Stinnett complex, 0 to 15 percent slopes, rocky	r
Bayfield	3454B	Odanah-Cornucopia complex, 2 to 6 percent slopes	w
Bayfield	3609C	Abbaye loamy sand, 6 to 15 percent slopes	w
Bayfield	375A	Robago fine sandy loam, lake terrace, 0 to 3 percent slopes	w
Bayfield	388B	Pelkie, occasionally flooded-Dechamps, frequently flooded, complex, 0 to 2 percent slopes	w
Bayfield	3A	Totagatic-Bowstring-Ausable complex, 0 to 2 percent slopes, frequently flooded	w
Bayfield	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Bayfield	406A	Loxley mucky peat, 0 to 1 percent slopes	w
Bayfield	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Bayfield	445A	Kinross muck, 0 to 2 percent slopes	w
Bayfield	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Bayfield	485C	Lupton and Tawas soils, seeped, 2 to 15 percent slopes	w
Bayfield	514B	Iosco loamy sand, 0 to 4 percent slopes	w
Bayfield	524E	Rock outcrop-Frogcreek-Metonga complex, 2 to 45 percent slopes, very stony	r
Bayfield	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Bayfield	597A	Meehan sand, beaches, 0 to 2 percent slopes	w
Bayfield	5A	Arnheim mucky silt loam, 0 to 1 percent slopes, frequently flooded	w
Bayfield	603B	Redrim very cobbly sand, 0 to 6 percent slopes, very stony	r
Bayfield	605B	Lapoin loam, 0 to 6 percent slopes	w
Bayfield	610B	Zeba sandy loam, 0 to 6 percent slopes, very stony	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Bayfield	611B	Abbaye-Lapoin complex, 0 to 6 percent slopes	w
Bayfield	614B	Abbaye-Zeba complex, 0 to 6 percent slopes, very stony	w
Bayfield	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Bayfield	724A	Rib-Rock outcrop complex, 0 to 2 percent slopes	wr
Bayfield	809C	Gogebic-Metonga-Rock outcrop complex, 6 to 18 percent slopes, very stony	r
Bayfield	809D	Gogebic-Metonga-Rock outcrop complex, 10 to 35 percent slopes, very stony	r
Bayfield	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Bayfield	830A	Spiderlake silt loam, 0 to 3 percent slopes, stony	w
Bayfield	884C	Keweenaw, stony-Vilas-Cathro complex, 0 to 15 percent slopes	w
Bayfield	884E	Keweenaw, stony-Vilas-Cathro complex, 0 to 55 percent slopes	w
Bayfield	9050A	Fordum, Totagatic, and Bowstring soils, 0 to 1 percent slopes, frequently wet	w
Bayfield	9155A	Haplosaprists, Peats and Mucks, 0 to 1 percent slopes	w
Brown	AdA	Allendale loamy fine sand, 0 to 3 percent slopes	w
Brown	AeA	Allendale fine sandy loam, 0 to 3 percent slopes	w
Brown	Au	Alluvial land	w
Brown	Aw	Alluvial land, wet	w
Brown	Ax	Angelica silt loam	w
Brown	Bc	Bellevue silt loam	w
Brown	Bd	Bellevue silty clay loam, mottled subsoil variant	w
Brown	BnA	Bonduel loam, 0 to 3 percent slopes	w
Brown	Bp	Borrow pits	+
Brown	Ca	Carbondale muck	w
Brown	Cm	Cathro muck	w
Brown	DeA	Dresden sandy loam, mottled subsoil variant, 0 to 2 percent slopes	w
Brown	DsA	Dresden silt loam, mottled subsoil variant, 1 to 3 percent slopes	w
Brown	Fa	Fabius silt loam	w
Brown	Fd	Fill land	w
Brown	Gp	Gravel pits	+
Brown	Ke	Keowns silt loam	w
Brown	KnA	Kibbie silt loam, 1 to 3 percent slopes	w
Brown	Mk	Markey muck	w
Brown	Mr	Marsh	w
Brown	NaB	Namur silt loam, 1 to 6 percent slopes	r
Brown	NaD	Namur silt loam, 6 to 20 percent slopes	r
Brown	Ne	Namur silt loam, wet variant	wr
Brown	Od	Ogden muck	w
Brown	Pe	Pella silt loam, 0 to 2 percent slopes	w
Brown	Po	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Brown	Qu	Quarries	+
Brown	Rs	Roscommon muck	w
Brown	Ru	Ruse silt loam	wr
Brown	Sb	Sebewa silt loam	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Brown	SgB	Shullsburg silt loam, wet variant, 2 to 6 percent slopes	wr
Brown	SoA	Solona sandy loam, 1 to 3 percent slopes	w
Brown	SpA	Solona loam, 1 to 3 percent slopes	w
Brown	SuB	Summerville loam, 1 to 6 percent slopes	r
Brown	SuD2	Summerville loam, 6 to 20 percent slopes, eroded	r
Brown	SvB	Summerville silt loam, clayey subsoil variant, 1 to 6 percent slopes	r
Brown	TeA	Tedrow loamy fine sand, 0 to 3 percent slopes	w
Brown	YaA	Yahara fine sandy loam, 0 to 3 percent slopes	w
Brown	YhA	Yahara silt loam, 0 to 3 percent slopes	w
Buffalo	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Buffalo	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Buffalo	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Buffalo	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Buffalo	2013	Pits, gravel	+
Buffalo	2014	Pits, quarry, hard bedrock	+
Buffalo	2016	Pits, quarry, soft bedrock	+
Buffalo	2022	Pits, siliceous sand	+
Buffalo	2030	Udorthents and Udipsamments, cut or fill	+
Buffalo	2040	Udipsamments, dredge material	+
Buffalo	2050	Landfill	+
Buffalo	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Buffalo	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Buffalo	244C2	Elkmound loam, 6 to 12 percent slopes, moderately eroded	r
Buffalo	244D2	Elkmound loam, 12 to 20 percent slopes, moderately eroded	r
Buffalo	30A	Adder muck, 0 to 1 percent slopes, frequently flooded	w
Buffalo	40A	Markey and Seelyeville mucks, 0 to 1 percent slopes	w
Buffalo	429A	Lows loam, 0 to 2 percent slopes, rarely flooded	w
Buffalo	438A	Hoopeston sandy loam, 0 to 3 percent slopes	w
Buffalo	448A	Sooner silt loam, 0 to 3 percent slopes	w
Buffalo	458A	Hoop sandy loam, 0 to 3 percent slopes	w
Buffalo	508A	Farrington loamy sand, 0 to 3 percent slopes	w
Buffalo	569A	Newlang muck, 0 to 2 percent slopes, occasionally flooded	w
Buffalo	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Buffalo	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Buffalo	649A	Wallkill silt loam, 0 to 2 percent slopes, frequently flooded	w
Buffalo	679A	Ettrick silt loam, 0 to 2 percent slopes, shallow, frequently flooded	w
Buffalo	CP	Coal piles	+
Buffalo	DAM	Dam, concrete	+
Burnett	12A	Makwa stony muck, 0 to 1 percent slopes, extremely stony, frequently fl	w
Burnett	151A	Bluffton loam, 0 to 2 percent slopes	w
Burnett	152A	Alstad loam, 0 to 3 percent slopes	w
Burnett	160A	Oesterle sandy loam, 0 to 2 percent slopes	w

			NR 243
			manure
			application
County	Map unit symbol	Map unit name	restriction
Burnett	193A	Minocqua muck, 0 to 2 percent slopes	w
Burnett	2015	Pits	+
Burnett	2050	Landfill	+
Burnett	3114A	Sapristis, Aquepts, and Aquepts, 0 to 1 percent slopes, ponded, flooded	w
Burnett	3125A	Meehan loamy sand, 0 to 2 percent slopes	w
Burnett	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Burnett	3446A	Newson muck, 0 to 2 percent slopes	w
Burnett	3625A	Lino loamy fine sand, 0 to 2 percent slopes	w
Burnett	397A	Perchlake loamy fine sand, 0 to 2 percent slopes	w
Burnett	3A	Totagatic-Bowstring-Ausable complex, 0 to 2 percent slopes, frequently	w
Burnett	406A	Loxley mucky peat, 0 to 1 percent slopes	w
Burnett	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Burnett	410A	Seelyeville and Cathro soils, 0 to 1 percent slopes	w
Burnett	419A	Seelyeville, Cathro, and Markey soils, 0 to 1 percent slopes	w
Burnett	422A	Seelyeville, Cathro, and Rondeau soils, 0 to 1 percent slopes	w
Burnett	443D	Amery, very stony-Greenwood complex, 0 to 35 percent slopes	w
Burnett	459A	Loxley, Daisybay, and Dawson soils, 0 to 1 percent slopes	w
Burnett	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Burnett	465A	Newson-Meehan complex, 0 to 3 percent slopes	w
Burnett	484A	Greenwood and Beseman soils, 0 to 1 percent slopes	w
Burnett	485C	Lupton and Tawas soils, seeped, 2 to 15 percent slopes	w
Burnett	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Burnett	600A	Haplosapristis and Psammaquepts, 0 to 2 percent slopes	w
Burnett	620C	Lundeen-Haustrup-Rock outcrop complex, 2 to 12 percent slopes, very s r	
Burnett	624A	Ossmer silt loam, 0 to 3 percent slopes	w
Burnett	634C	Drylanding-Beartree complex, 0 to 12 percent slopes, rocky	wr
Burnett	635C	Drylanding-Beartree complex, 0 to 12 percent slopes, rocky, rarely flood	wr
Burnett	64A	Totagatic-Winterfield complex, 0 to 2 percent slopes, frequently flooded	w
Burnett	706A	Winterfield-Totagatic complex, 0 to 2 percent slopes, frequently flooded	w
Burnett	720F	Haustrup-Lundeen-Rock outcrop complex, 12 to 65 percent slopes, very r	
Burnett	755A	Moppet, occasionally flooded-Fordum, frequently flooded, complex, 0 to	w
Burnett	825A	Meehan sand, 0 to 2 percent slopes	w
Calumet	Ac	Adrian muck	w
Calumet	BcA	Bellevue silt loam, 0 to 3 percent slopes	w
Calumet	Bu	Brookston silt loam	w
Calumet	CnB	Channahon loam, 2 to 6 percent slopes	r
Calumet	CnC	Channahon loam, 6 to 12 percent slopes	r
Calumet	Fu	Fluvaquepts	w
Calumet	Gb	Granby fine sandy loam	w
Calumet	Hu	Houghton muck	w
Calumet	Ke	Keowns very fine sandy loam	w
Calumet	MbA	Manawa silt loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Calumet	MuA	Mundelein silt loam, 0 to 3 percent slopes	w
Calumet	OgB	Oakville-Granby complex, 0 to 4 percent slopes	w
Calumet	Pa	Palms muck, 0 to 2 percent slopes	w
Calumet	Pe	Pella silt loam, 0 to 2 percent slopes	w
Calumet	Pg	Pits, gravel	+
Calumet	Ph	Pits, quarries	+
Calumet	Po	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Calumet	ShA	Shiocton very fine sandy loam, 0 to 3 percent slopes	w
Calumet	SyA	Symco silt loam, 0 to 3 percent slopes	w
Calumet	TeA	Tedrow loamy fine sand, 0 to 3 percent slopes	w
Calumet	WaA	Wasepi sandy loam, 0 to 3 percent slopes	w
Calumet	Wt	Willette muck, 0 to 2 percent slopes	w
Chippewa	Au	Auburndale silt loam, 0 to 2 percent slopes	w
Chippewa	Be	Beseman muck, 0 to 1 percent slopes	w
Chippewa	BoE	Boone fine sand, 20 to 45 percent slopes	r
Chippewa	Cb	Cable silt loam, 0 to 2 percent slopes	w
Chippewa	DAM	Dam, concrete	+
Chippewa	EmB	Elkmound loam, 2 to 6 percent slopes	r
Chippewa	EmC2	Elkmound loam, 6 to 12 percent slopes, eroded	r
Chippewa	EmD2	Elkmound loam, 12 to 20 percent slopes, eroded	r
Chippewa	EmE	Elkmound loam, 20 to 45 percent slopes	r
Chippewa	Eo	Elm Lake loamy sand, 0 to 2 percent slopes	w
Chippewa	FaB	Fallcreek sandy loam, 2 to 6 percent slopes	w
Chippewa	Fm	Fordum loam, 0 to 2 percent slopes	w
Chippewa	Gr	Greenwood peat, 0 to 1 percent slopes	w
Chippewa	Ha	Halder loam, 0 to 2 percent slopes	w
Chippewa	La	Lows loam, 0 to 2 percent slopes	w
Chippewa	Lp	Lupton muck, 0 to 1 percent slopes	w
Chippewa	Me	Markey muck, 0 to 1 percent slopes	w
Chippewa	Mh	Meehan loamy sand, 0 to 2 percent slopes	w
Chippewa	MrB	Merrillan sandy loam, 1 to 6 percent slopes	w
Chippewa	Mu	Minocqua loam, 0 to 2 percent slopes	w
Chippewa	Na	Newson loamy sand, 0 to 2 percent slopes	w
Chippewa	NtB	Northfield silt loam, 2 to 6 percent slopes	r
Chippewa	NtC2	Northfield silt loam, 6 to 12 percent slopes, eroded	r
Chippewa	NtD2	Northfield silt loam, 12 to 20 percent slopes, eroded	r
Chippewa	Oe	Oesterle sandy loam, 0 to 2 percent slopes	w
Chippewa	Or	Orion silt loam, 0 to 2 percent slopes	w
Chippewa	Pc	Pits, gravel	+
Chippewa	Px	Poskin silt loam, 0 to 2 percent slopes	w
Chippewa	Rb	Rib silt loam, 0 to 2 percent slopes	w
Chippewa	Rc	Rib mucky silt loam, ponded, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Chippewa	Sm	Seelyeville muck, 0 to 1 percent slopes	w
Chippewa	So	Shiffer loam, 0 to 2 percent slopes	w
Chippewa	Ud	Udifluvents, loamy, nearly level	w
Chippewa	Ve	Vesper silt loam, 0 to 2 percent slopes	w
Chippewa	Wb	Warman variant sandy loam, 0 to 2 percent slopes	w
Clark	AnA	Au Gres-Newson complex, 0 to 3 percent slopes	w
Clark	BrA	Brander silt loam, 0 to 3 percent slopes	w
Clark	Cd	Citypoint mucky peat, 0 to 1 percent slopes	w
Clark	Da	Dawsil mucky peat, 0 to 1 percent slopes	w
Clark	FeA	Fairchild-Elm Lake complex, 0 to 3 percent slopes	w
Clark	FfA	Fallcreek loam, 0 to 3 percent slopes	w
Clark	FgA	Fallcreek-Merrillan complex, 0 to 3 percent slopes	w
Clark	Fm	Fordum silt loam, 0 to 2 percent slopes	w
Clark	IxA	Ironrun-Ponycreek complex, 0 to 3 percent slopes	w
Clark	IzB	Ironrun-Ponycreek-Arbutus complex, 0 to 6 percent slopes	w
Clark	Lk	Loxley peat, 0 to 1 percent slopes	w
Clark	Lm	Loxley, Beseman, and Dawson peats 0 to 1 percent slopes	w
Clark	LsB	Loyal-Hiles silt loams, 1 to 6 percent slopes	r
Clark	McA	Maplehurst silt loam, 0 to 3 percent slopes	w
Clark	Me	Markey-Newson mucks, 0 to 2 percent slopes	w
Clark	MpA	Merrillan fine sandy loam, 0 to 3 percent slopes	w
Clark	MrA	Merrillan-Veedum complex, 0 to 3 percent slopes	w
Clark	MxA	Moppet-Fordum complex, 0 to 3 percent slopes	w
Clark	NrF	Northmound-Rock outcrop complex, 15 to 50 percent slopes, very stony	r
Clark	OeA	Oesterle loam, 0 to 3 percent slopes	w
Clark	PeA	Pelkie-Winterfield loamy fine sands, 0 to 3 percent slopes	w
Clark	Pv	Ponycreek-Dawsil complex, 0 to 2 percent slopes	w
Clark	PxA	Poskin silt loam, 0 to 3 percent slopes	w
Clark	Py	Psammaquents, nearly level	w
Clark	Rb	Rib silt loam, 0 to 2 percent slopes	w
Clark	Ve	Veedum silt loam, 0 to 2 percent slopes	w
Clark	Vs	Veedum-Elm Lake mucks, 0 to 2 percent slopes	w
Columbia	Ad	Adrian muck	w
Columbia	Af	Alluvial land, sandy, wet	w
Columbia	Ah	Alluvial land, loamy, wet	w
Columbia	BbA	Barry loam, 0 to 3 percent slopes	w
Columbia	BnC	Boone loamy fine sand, 6 to 12 percent slopes	r
Columbia	BnE	Boone loamy fine sand, 12 to 45 percent slopes	r
Columbia	Bo	Boots muck	w
Columbia	CoA	Colwood fine sandy loam, 0 to 3 percent slopes	w
Columbia	CP	Coal pit	+
Columbia	DAM	Dam concrete	+

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Columbia	GaA	Gilford fine sandy loam, stratified substratum, 0 to 3 percent slopes	w
Columbia	Gb	Granby loamy sand	w
Columbia	GP	Gravel pit	+
Columbia	Ho	Houghton muck	w
Columbia	LDF	Landfill	+
Columbia	Mb	Marsh	w
Columbia	Mc	Marshan loam	w
Columbia	MoA	Morocco loamy sand, 0 to 3 percent slopes	w
Columbia	NoB	Northfield sandy loam, 2 to 6 percent slopes	r
Columbia	NoC	Northfield sandy loam, 6 to 12 percent slopes	r
Columbia	NoE	Northfield sandy loam, 12 to 30 percent slopes	r
Columbia	OsA	Ossian silt loam, 0 to 3 percent slopes	w
Columbia	Ot	Otter silt loam	w
Columbia	Pa	Palms muck, 0 to 2 percent slopes	w
Columbia	PoA	Poygan silt loam, 0 to 3 percent slopes	w
Columbia	QUA	Quarry	+
Columbia	Rk	Rock land	r
Columbia	Wa	Wacousta mucky silt loam	w
Columbia	Wb	Wallkill silt loam	w
Crawford	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Crawford	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Crawford	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Crawford	164D	Elizabeth flaggy silt loam, 12 to 20 percent slopes	r
Crawford	164E	Elizabeth flaggy silt loam, 20 to 30 percent slopes	r
Crawford	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Crawford	2013	Pits, gravel	+
Crawford	2014	Pits, quarry, hard bedrock	+
Crawford	2022	Pits, siliceous sand	+
Crawford	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Crawford	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Dane	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Dane	1180B2	Dubuque, clayey substratum-Dunbarton complex, 2 to 6 percent slopes,	r
Dane	1180C2	Dubuque, clayey substratum-Dunbarton complex, 6 to 12 percent slopes	r
Dane	1180D2	Dubuque, clayey substratum-Dunbarton complex, 12 to 20 percent slopes	r
Dane	1180E	Dubuque-Dunbarton, very stony, complex, 20 to 30 percent slopes, very	r
Dane	1180F	Dubuque-Dunbarton, very stony, complex, 30 to 45 percent slopes, very	r
Dane	1195F	Elkmound-Northfield complex, 30 to 60 percent slopes, very rocky	r
Dane	Ad	Adrian muck	w
Dane	Af	Alluvial land, wet	w
Dane	Co	Colwood silt loam, 0 to 2 percent slopes	w
Dane	DuB2	Dunbarton silt loam, 2 to 6 percent slopes, eroded	r
Dane	DuC2	Dunbarton silt loam, 6 to 12 percent slopes, eroded	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Dane	DuD2	Dunbarton silt loam, 12 to 20 percent slopes, eroded	r
Dane	DuE2	Dunbarton silt loam, 20 to 30 percent slopes, eroded	r
Dane	EdB2	Edmund silt loam, 2 to 6 percent slopes, eroded	r
Dane	EdC2	Edmund silt loam, 6 to 12 percent slopes, eroded	r
Dane	EdD2	Edmund silt loam, 12 to 20 percent slopes, eroded	r
Dane	EmC2	Elkmound sandy loam, 6 to 12 percent slopes, eroded	r
Dane	EmD2	Elkmound sandy loam, 12 to 20 percent slopes, eroded	r
Dane	EmE2	Elkmound sandy loam, 20 to 30 percent slopes, eroded	r
Dane	EmF	Elkmound sandy loam, 30 to 60 percent slopes	r
Dane	Ev	Elvers silt loam	w
Dane	Gn	Granby loamy sand	w
Dane	GP	Gravel pit	+
Dane	Ho	Houghton muck	w
Dane	LDF	Landfill	+
Dane	Mb	Marsh	w
Dane	Mc	Marshan silt loam	w
Dane	MoA	Montgomery silty clay loam, 0 to 3 percent slopes	w
Dane	Os	Orion silt loam, wet	w
Dane	Ot	Otter silt loam	w
Dane	Pa	Palms muck, 0 to 2 percent slopes	w
Dane	QUA	Quarry	+
Dane	SaA	Sable silty clay loam, 0 to 2 percent slopes	w
Dane	SoD	Sogn silt loam, 2 to 20 percent slopes	r
Dane	SoE	Sogn silt loam, 20 to 35 percent slopes	r
Dane	Wa	Wacousta silty clay loam, 0 to 2 percent slopes	w
Dodge	Ar	Adrian variant muck	w
Dodge	BsA	Brookston silt loam, 0 to 3 percent slopes	w
Dodge	CdB	Channahon silt loam, 1 to 6 percent slopes	r
Dodge	Co	Colwood silty clay loam	w
Dodge	Ev	Elvers silt loam	w
Dodge	Fu	Fluvaquents	w
Dodge	Gb	Granby variant fine sandy loam	w
Dodge	Hu	Houghton muck	w
Dodge	Hw	Houghton muck, ponded	w
Dodge	Ke	Keowns silt loam	w
Dodge	KIA	Kibbie loam, 0 to 2 percent slopes	w
Dodge	KIB	Kibbie loam, 2 to 6 percent slopes	w
Dodge	KxA	Knowles variant silt loam, 0 to 2 percent slopes	w
Dodge	KxB	Knowles variant silt loam, 2 to 6 percent slopes	w
Dodge	LDF	Landfill	+
Dodge	Ot	Otter silt loam	w
Dodge	Pa	Palms muck, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Dodge	Ph	Pella silty clay loam, cool, 0 to 2 percent slopes	w
Dodge	Pn	Pits	+
Dodge	RcE	Rock outcrop-Channahon complex, 5 to 30 percent slopes	r
Dodge	Sk	Saprists and Aquents	w
Dodge	Sm	Sebewa silt loam	w
Door	AdA	Allendale loamy sand, 0 to 3 percent slopes	w
Door	Ax	Angelica loam	w
Door	Be	Beaches	w
Door	Bn	Bonduel loam	w
Door	Bo	Bonduel variant fine sandy loam, shallow	wr
Door	Bp	Bonduel variant loam, wet	w
Door	Ca	Carbondale muck	w
Door	Cm	Cathro muck	w
Door	Cp	Chippeny muck	w
Door	De	Deford loamy fine sand	w
Door	Dv	Duel variant sandy loam	w
Door	Fa	Fabius silt loam	w
Door	Fu	Fluvaquents	w
Door	Gp	Gravel pits	+
Door	KvB	Kolberg variant loam, 1 to 6 percent slopes	r
Door	KvC2	Kolberg variant loam, 6 to 12 percent slopes, eroded	r
Door	LDF	Landfill	+
Door	McA	Manawa silt loam, 0 to 3 percent slopes	w
Door	Mk	Markey muck	w
Door	NaB	Namur loam, 0 to 6 percent slopes	r
Door	NaC	Namur loam, 6 to 12 percent slopes	r
Door	Nv	Namur variant loam	r
Door	OvB	Omena variant sandy loam, 2 to 6 percent slopes	w
Door	Pn	Pinconning loamy fine sand	w
Door	Po	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Door	QUA	Quarry	+
Door	Ra	Rock outcrop	r
Door	Rb	Rock outcrop-Namur complex, 6 to 20 percent slopes	r
Door	Rn	Rondeau muck	w
Door	RrB	Rousseau-Deford fine sands, 2 to 6 percent slopes	w
Door	Sa	Saprists	w
Door	SoA	Solona loam, 0 to 3 percent slopes	w
Door	Su	Suamico muck	w
Door	SvA	Summerville loam, 0 to 2 percent slopes	r
Door	SvB	Summerville loam, 2 to 6 percent slopes	r
Door	SvC	Summerville loam, 6 to 12 percent slopes	r
Door	SvD	Summerville loam, 12 to 20 percent slopes	r

NR 243
manure
application
restriction

County	Map unit symbol	Map unit name	
Door	Wa	Wainola loamy fine sand	w
Door	YaA	Yahara fine sandy loam, 0 to 3 percent slopes	w
Door	Yv	Yahara variant silt loam	w
Douglas	12A	Makwa stony muck, 0 to 1 percent slopes, extremely stony, frequently fl	w
Douglas	160A	Oesterle sandy loam, 0 to 2 percent slopes	w
Douglas	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Douglas	193A	Minocqua muck, 0 to 2 percent slopes	w
Douglas	2014	Pits, quarry, hard bedrock	+
Douglas	2015	Pits	+
Douglas	2030	Udorthents and Udipsamments, cut or fill	+
Douglas	2050	Landfill	+
Douglas	309C	Metonga-Rock outcrop complex, 6 to 20 percent slopes	r
Douglas	309E	Metonga-Rock outcrop complex, 20 to 45 percent slopes	r
Douglas	3114A	Sapristis, aquents, and aquepts, 0 to 1 percent slopes, ponded, flooded	w
Douglas	3125A	Meehan loamy sand, 0 to 2 percent slopes	w
Douglas	3244A	Brimley fine sandy loam, 0 to 3 percent slopes	w
Douglas	3247A	Bruce silt loam, 0 to 2 percent slopes	w
Douglas	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Douglas	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Douglas	3423A	Rifle peat, 0 to 1 percent slopes	w
Douglas	3424C	Frogcreek-Magroc-Stinnett complex, 0 to 15 percent slopes, very stony,	r
Douglas	3446A	Newson muck, 0 to 2 percent slopes	w
Douglas	3454B	Odanah-Cornucopia complex, 2 to 6 percent slopes	w
Douglas	3601C	Ishpeming-Rock outcrop complex, 5 to 20 percent slopes, very stony	r
Douglas	3676A	Au Gres sand, 0 to 3 percent slopes	w
Douglas	375A	Robago fine sandy loam, lake terrace, 0 to 3 percent slopes	w
Douglas	388B	Pelkie, occasionally flooded-Dechamps, frequently flooded complex, 0 to	w
Douglas	3A	Totagatic-Bowstring-Ausable complex, 0 to 2 percent slopes, frequently	w
Douglas	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Douglas	406A	Loxley mucky peat, 0 to 1 percent slopes	w
Douglas	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Douglas	419A	Seelyeville, Cathro, and Markey soils, 0 to 1 percent slopes	w
Douglas	445A	Kinross muck, 0 to 2 percent slopes	w
Douglas	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Douglas	485C	Lupton and Tawas soils, seeped, 2 to 15 percent slopes	w
Douglas	514B	Iosco loamy sand, 0 to 4 percent slopes	w
Douglas	524E	Rock outcrop-Frogcreek-Metonga complex, 2 to 45 percent slopes, very	r
Douglas	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Douglas	5A	Arnheim mucky silt loam, 0 to 1 percent slopes, frequently flooded	w
Douglas	600A	Haplosapristis and Psammaquents, 0 to 2 percent slopes	w
Douglas	604C	Amnicon-Rock outcrop complex, 2 to 15 percent slopes	r
Douglas	624A	Ossmer silt loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Douglas	634C	Drylanding-Beartree complex, 0 to 12 percent slopes, rocky	wr
Douglas	635C	Drylanding-Beartree complex, 0 to 12 percent slopes, rocky, rarely flood	wr
Douglas	64A	Totagatic-Winterfield complex, 0 to 2 percent slopes, frequently flooded	w
Douglas	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Douglas	706A	Winterfield-Totagatic complex, 0 to 2 percent slopes, frequently flooded	w
Douglas	724A	Rib-Rock outcrop complex, 0 to 2 percent slopes	wr
Douglas	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Douglas	825A	Meehan sand, 0 to 2 percent slopes	w
Douglas	884C	Keweenaw, stony-Vilas-Cathro complex, 0 to 15 percent slopes	w
Douglas	884E	Keweenaw, stony-Vilas-Cathro complex, 0 to 55 percent slopes	w
Douglas	928C	Milaca-Mora-Haustrup complex, 0 to 15 percent slopes, very stony, rock r	r
Dunn	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Dunn	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Dunn	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Dunn	2013	Pits, gravel	+
Dunn	2014	Pits, quarry, hard bedrock	+
Dunn	2016	Pits, quarry, soft bedrock	+
Dunn	2030	Udorthents and Udipsamments, cut or fill	+
Dunn	2050	Landfill	+
Dunn	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Dunn	243B2	Hixton silt loam, thin solum, 1 to 6 percent slopes, moderately eroded	r
Dunn	243C2	Hixton silt loam, thin solum, 6 to 12 percent slopes, moderately eroded	r
Dunn	244B	Elkmound loam, 1 to 6 percent slopes	r
Dunn	244C2	Elkmound loam, 6 to 12 percent slopes, moderately eroded	r
Dunn	244D2	Elkmound loam, 12 to 20 percent slopes, moderately eroded	r
Dunn	269A	Veedum muck, 0 to 2 percent slopes	w
Dunn	349A	Rib silt loam, valley train, 0 to 2 percent slopes	w
Dunn	378A	Poskin silt loam, valley train, 0 to 3 percent slopes	w
Dunn	40A	Markey and Seelyeville mucks, 0 to 1 percent slopes	w
Dunn	428A	Shiffer loam, 0 to 3 percent slopes, rarely flooded	w
Dunn	429A	Lows loam, 0 to 2 percent slopes, rarely flooded	w
Dunn	438A	Hoopeston sandy loam, 0 to 3 percent slopes	w
Dunn	45A	Seelyeville and Cathro mucks, valley train, 0 to 1 percent slopes	w
Dunn	468A	Oesterle sandy loam, valley train, 0 to 3 percent slopes	w
Dunn	508A	Farrington loamy sand, 0 to 3 percent slopes	w
Dunn	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Dunn	588A	Meehan loamy sand, valley train, 0 to 3 percent slopes	w
Dunn	589A	Newson mucky loamy sand, 0 to 2 percent slopes	w
Dunn	619A	Vancecreek silt loam, 0 to 2 percent slopes, frequently flooded	w
Dunn	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Dunn	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Eau Claire	Ad	Adrian muck	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Eau Claire	Ae	Alluvial land, sandy	w
Eau Claire	Af	Alluvial land, wet	w
Eau Claire	Au	Au Gres loamy sand	w
Eau Claire	BP	Borrow pit	+
Eau Claire	Cu	Curran silt loam	w
Eau Claire	De	Dells silt loam	w
Eau Claire	EmB	Elkmound loam, 2 to 6 percent slopes	r
Eau Claire	EmC2	Elkmound loam, 6 to 12 percent slopes, eroded	r
Eau Claire	EmD2	Elkmound loam, 12 to 20 percent slopes, eroded	r
Eau Claire	EmE	Elkmound loam, 20 to 45 percent slopes	r
Eau Claire	Eo	Elm Lake loamy sand	w
Eau Claire	Er	Ettrick silt loam	w
Eau Claire	FmA	Fairchild and Merrilan soils, 0 to 2 percent slopes	w
Eau Claire	FmB	Fairchild and Merrilan soils, 2 to 6 percent slopes	w
Eau Claire	GP	Gravel pit	+
Eau Claire	Ho	Houghton muck	w
Eau Claire	La	Lows loam	w
Eau Claire	LDF	Landfill	+
Eau Claire	Ma	Markey muck	w
Eau Claire	Mc	Marshan loam	w
Eau Claire	Mo	Morocco loamy sand	w
Eau Claire	Na	Newson loamy sand	w
Eau Claire	NtB	Northfield silt loam, 2 to 6 percent slopes	r
Eau Claire	NtC2	Northfield silt loam, 6 to 12 percent slopes, eroded	r
Eau Claire	NtD2	Northfield silt loam, 12 to 20 percent slopes, eroded	r
Eau Claire	NtE2	Northfield silt loam, 20 to 30 percent slopes, eroded	r
Eau Claire	NtF	Northfield silt loam, 30 to 45 percent slopes	r
Eau Claire	On	Orion silt loam	w
Eau Claire	Or	Otter silt loam, overwash	w
Eau Claire	Pw	Psammaquents	w
Eau Claire	QUA	Quarry	+
Eau Claire	Re	Riverwash	w
Eau Claire	So	Shiffer loam	w
Eau Claire	SPO	Spoil area	+
Eau Claire	Vd	Veedum silt loam	w
Eau Claire	Ve	Vesper loam	w
Florence	AnB	Annalake fine sandy loam, 0 to 6 percent slopes	w
Florence	AnC	Annalake fine sandy loam, 6 to 15 percent slopes	w
Florence	Au	Au Gres loamy sand, 0 to 2 percent slopes	w
Florence	Fm	Fordum loam, 0 to 2 percent slopes	w
Florence	IsA	Iosco loamy fine sand, 0 to 3 percent slopes	w
Florence	Kr	Kinross muck, 0 to 2 percent slopes	w

NR 243
manure
application
restriction

County	Map unit symbol	Map unit name	
Florence	Lo	Loxley, Beseman, and Dawson peats, 0 to 1 percent slopes	w
Florence	Lu	Lupton and Cathro soils, 0 to 1 percent slopes	w
Florence	Mn	Minocqua muck, 0 to 2 percent slopes	w
Florence	Pt	Pits, gravel	+
Florence	Px	Pits, mine	+
Florence	Rb	Robago fine sandy loam, 0 to 2 percent slopes	w
Florence	RkC	Rock outcrop-Ishpeming-Vilas complex, 1 to 15 percent slopes	r
Florence	RkD	Rock outcrop-Ishpeming-Vilas complex, 15 to 35 percent slopes	r
Florence	RmC	Rock outcrop-Metonga-Sarona complex, 1 to 15 percent slopes	r
Florence	RmD	Rock outcrop-Metonga-Sarona complex, 15 to 35 percent slopes	r
Florence	WrA	Worcester sandy loam, 0 to 3 percent slopes	w
Fond du Lac	Ak	Adrian mucky peat	w
Fond du Lac	Am	Alluvial land	w
Fond du Lac	An	Alluvial land, wet	w
Fond du Lac	AtA	Ashkum silty clay loam, 0 to 3 percent slopes	w
Fond du Lac	BP	Borrow area	+
Fond du Lac	BsA	Brookston silt loam, 0 to 3 percent slopes	w
Fond du Lac	BtA	Brookston stony silt loam, 0 to 3 percent slopes	w
Fond du Lac	BuA	Brookston silty clay loam, 0 to 3 percent slopes	w
Fond du Lac	Ca	Carbondale mucky peat	w
Fond du Lac	DcA	Depere silty clay loam, 0 to 3 percent slopes	w
Fond du Lac	DdA	Dodge silt loam, 0 to 2 percent slopes	w
Fond du Lac	EbA	Elburn silt loam, 0 to 3 percent slopes	w
Fond du Lac	EsA	Elliott silt loam, 0 to 2 percent slopes	w
Fond du Lac	EsB	Elliott silt loam, 2 to 6 percent slopes	w
Fond du Lac	GP	Gravel pit	+
Fond du Lac	Hu	Houghton mucky peat	w
Fond du Lac	IoA	Ionia silt loam, 0 to 2 percent slopes	w
Fond du Lac	JuA	Juneau silt loam, 0 to 2 percent slopes	w
Fond du Lac	JuB	Juneau silt loam, 2 to 6 percent slopes	w
Fond du Lac	Km	Keowns silt loam	w
Fond du Lac	KuA	Kibbie silt loam, 0 to 2 percent slopes	w
Fond du Lac	LDF	Landfill	+
Fond du Lac	LvA	Lomira silt loam, 0 to 2 percent slopes	w
Fond du Lac	LwA	Lomira-Knowles silt loams, 0 to 2 percent slopes	w
Fond du Lac	MaA	Manawa silt loam, 0 to 3 percent slopes	w
Fond du Lac	MaB	Manawa silt loam, 2 to 6 percent slopes	w
Fond du Lac	McB	Manawa silty clay loam, 2 to 6 percent slopes	w
Fond du Lac	Mf	Marsh	w
Fond du Lac	ML	Made land	+
Fond du Lac	MmA	Martinton silt loam, 0 to 2 percent slopes	w
Fond du Lac	MmB	Martinton silt loam, 2 to 6 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Fond du Lac	Od	Ogden mucky peat	w
Fond du Lac	Pa	Palms muck, 0 to 2 percent slopes	w
Fond du Lac	Pc	Palms mucky peat, 0 to 2 percent slopes	w
Fond du Lac	PhA	Pella silt loam, 0 to 2 percent slopes	w
Fond du Lac	PnA	Pella silty clay loam, cool, 0 to 2 percent slopes	w
Fond du Lac	Py	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Fond du Lac	QUA	Quarry	+
Fond du Lac	ReB	Rimer loam, 2 to 6 percent slopes	w
Fond du Lac	Rm	Rock land	r
Fond du Lac	Rw	Rollin mucky peat	w
Fond du Lac	SmA	Sebewa silt loam, 0 to 2 percent slopes	w
Fond du Lac	SmB	Sebewa silt loam, 2 to 6 percent slopes	w
Fond du Lac	SnA	Sebewa silt loam, deep, 0 to 2 percent slopes	w
Fond du Lac	SpA	Sebewa silt loam, loamy subsoil variant, 0 to 3 percent slopes	w
Fond du Lac	SwB	Sogn stony silt loam, 0 to 6 percent slopes	r
Fond du Lac	VgA	Virgil silt loam, 0 to 2 percent slopes	w
Fond du Lac	VgB	Virgil silt loam, 2 to 6 percent slopes	w
Fond du Lac	VsA	Virgil silt loam, gravelly substratum 0 to 2 percent slopes	w
Fond du Lac	VsB	Virgil silt loam, gravelly substratum, 2 to 6 percent slopes	w
Fond du Lac	Wa	Wallkill silt loam	w
Fond du Lac	WsA	Washtenaw silt loam, 0 to 2 percent slopes	w
Fond du Lac	WsB	Washtenaw silt loam, 2 to 6 percent slopes	w
Fond du Lac	Wt	Wauseon loam	w
Fond du Lac	Wu	Wauseon silt loam	w
Forest	Au	Au Gres loamy sand, 0 to 2 percent slopes	w
Forest	Fm	Fordum loam, 0 to 2 percent slopes	w
Forest	Kr	Kinross muck, 0 to 2 percent slopes	w
Forest	Lo	Loxley, Beseman, and Dawson peats, 0 to 1 percent slopes	w
Forest	Lu	Lupton and Cathro soils, 0 to 1 percent slopes	w
Forest	MeD	Metonga-Rock outcrop complex, 4 to 60 percent slopes, very stony	r
Forest	Mn	Minocqua muck, 0 to 2 percent slopes	w
Forest	Pt	Pits, gravel	+
Forest	WhA	Whisklake silt loam, 0 to 3 percent slopes	w
Forest	WrA	Worcester sandy loam, 0 to 3 percent slopes	w
Forest	WtA	Wormet sandy loam, 0 to 3 percent slopes	w
Grant	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Grant	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Grant	1177F	Derinda-Rock outcrop-Elizabeth complex, 30 to 60 percent slopes, rubble	r
Grant	1195F	Elkmound-Northfield complex, 30 to 60 percent slopes, very rocky	r
Grant	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Grant	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Grant	2013	Pits, gravel	+

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Grant	2014	Pits, quarry, hard bedrock	+
Grant	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Grant	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Grant	CP	Coal pit	+
Grant	Gw	Garwin silty clay loam	w
Grant	SnD2	Sogn loam, 10 to 15 percent slopes, moderately eroded	r
Grant	SnE2	Sogn loam, 15 to 20 percent slopes, moderately eroded	r
Grant	SoB2	Sogn silt loam, 2 to 10 percent slopes, moderately eroded	r
Grant	SoD2	Sogn silt loam, 10 to 15 percent slopes, moderately eroded	r
Grant	SoE2	Sogn silt loam, 15 to 20 percent slopes, moderately eroded	r
Green	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Green	1180B2	Dubuque, clayey substratum-Dunbarton complex, 2 to 6 percent slopes,	r
Green	1180C2	Dubuque, clayey substratum-Dunbarton complex, 6 to 12 percent slopes	r
Green	1180D2	Dubuque, clayey substratum-Dunbarton complex, 12 to 20 percent slopes	r
Green	1180E	Dubuque-Dunbarton, very stony, complex, 20 to 30 percent slopes, very	r
Green	1180F	Dubuque-Dunbarton, very stony, complex, 30 to 45 percent slopes, very	r
Green	1195F	Elkmound-Northfield complex, 30 to 60 percent slopes, very rocky	r
Green	Ac	Adrian muck	w
Green	Ae	Alluvial land, wet, frequently flooded	w
Green	Br	Brookston silt loam	w
Green	Co	Colwood silt loam, 0 to 2 percent slopes	w
Green	DuB2	Dunbarton silt loam, 2 to 6 percent slopes, moderately eroded	r
Green	DuC2	Dunbarton silt loam, 6 to 12 percent slopes, moderately eroded	r
Green	DuD2	Dunbarton silt loam, 12 to 20 percent slopes, moderately eroded	r
Green	DuE2	Dunbarton silt loam, 20 to 30 percent slopes, moderately eroded	r
Green	DvD2	Dunbarton silty clay loam, 10 to 20 percent slopes, moderately eroded	r
Green	EdB2	Edmund silt loam, 2 to 6 percent slopes, eroded	r
Green	EdC2	Edmund silt loam, 6 to 12 percent slopes, moderately eroded	r
Green	EdD2	Edmund silt loam, 12 to 20 percent slopes, moderately eroded	r
Green	EIB2	Elkmound sandy loam, 2 to 6 percent slopes, moderately eroded	r
Green	EIC2	Elkmound sandy loam, 6 to 12 percent slopes, moderately eroded	r
Green	EID2	Elkmound sandy loam, 12 to 20 percent slopes, moderately eroded	r
Green	EIE2	Elkmound sandy loam, 20 to 30 percent slopes, moderately eroded	r
Green	EIF	Elkmound sandy loam, 30 to 45 percent slopes	r
Green	Et	Ettrick silt loam, frequently flooded	w
Green	GP	Gravel pit	+
Green	Hu	Houghton mucky peat	w
Green	LDF	Landfill	+
Green	Mb	Marshan loam, rarely flooded	w
Green	Mc	Marshan silt loam, rarely flooded	w
Green	Md	Matherton silt loam	w
Green	Me	Maumee sandy loam	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Green	MoC2	Mifflin loam, shallow solum variant, 6 to 12 percent slopes, moderately eroded	r
Green	MoD2	Mifflin loam, shallow solum variant, 12 to 20 percent slopes, moderately eroded	r
Green	Na	Navan silt loam, rarely flooded	w
Green	NoB2	Northfield loam, 2 to 6 percent slopes, moderately eroded	r
Green	NoC2	Northfield loam, 6 to 12 percent slopes, moderately eroded	r
Green	NoD2	Northfield loam, 12 to 20 percent slopes, moderately eroded	r
Green	NoE2	Northfield loam, 20 to 30 percent slopes, moderately eroded	r
Green	Or	Orion silt loam, wet variant, frequently flooded	w
Green	Ot	Ossian silt loam, occasionally flooded	w
Green	Ou	Otter silt loam, frequently flooded	w
Green	Pa	Palms muck, 0 to 2 percent slopes	w
Green	QUA	Quarry	+
Green	Rh	Riverwash	w
Green	Se	Sebewa silt loam	w
Green	SoC2	Sogn silt loam, 2 to 12 percent slopes, moderately eroded	r
Green	SoE2	Sogn silt loam, 12 to 30 percent slopes, moderately eroded	r
Green	Wa	Wallkill silt loam, frequently flooded	w
Green Lake	Ad	Adrian muck	w
Green Lake	An	Alluvial land, wet	w
Green Lake	Bb	Barry loam	w
Green Lake	BrB	Brems loamy fine sand, 0 to 6 percent slopes	w
Green Lake	BsA	Briggsville silt loam, 0 to 2 percent slopes	w
Green Lake	Co	Colwood silt loam, 0 to 2 percent slopes	w
Green Lake	Ed	Edwards muck	w
Green Lake	FoA	Friesland loam, 0 to 2 percent slopes	w
Green Lake	Gf	Granby loamy fine sand	w
Green Lake	GhA	Granby loamy fine sand, loamy subsoil variant, 0 to 3 percent slopes	w
Green Lake	GkA	Granby loamy fine sand, clayey subsoil variant, 0 to 3 percent slopes	w
Green Lake	GP	Gravel pit	+
Green Lake	Ho	Houghton muck	w
Green Lake	KbA	Kibbie loam, 0 to 3 percent slopes	w
Green Lake	LDF	Landfill	+
Green Lake	MaA	Manawa silt loam, 0 to 3 percent slopes	w
Green Lake	McA	Marcellon loam, 0 to 3 percent slopes	w
Green Lake	Mf	Marsh	w
Green Lake	Mh	Marshan silt loam	w
Green Lake	Os	Ossian silt loam	w
Green Lake	Pa	Palms muck, 0 to 2 percent slopes	w
Green Lake	Pr	Poy silty clay loam	w
Green Lake	Py	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Green Lake	QUA	Quarry	+
Green Lake	RhB2	Ritchey silt loam, 2 to 6 percent slopes, eroded	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Green Lake	RhC2	Ritchey silt loam, 6 to 12 percent slopes, eroded	r
Green Lake	RhD2	Ritchey silt loam, 12 to 20 percent slopes, eroded	r
Green Lake	RkE	Rock land and Ritchey soils, 6 to 45 percent slopes	r
Green Lake	Ro	Rock outcrop	r
Green Lake	We	Willette muck, 0 to 2 percent slopes	w
Green Lake	ZtA	Zittau silty clay loam, 0 to 3 percent slopes	w
Iowa	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Iowa	1177E	Derinda-Rock outcrop-Elizabeth complex, 20 to 30 percent slopes, rubble	r
Iowa	1177F	Derinda-Rock outcrop-Elizabeth complex, 30 to 60 percent slopes, rubble	r
Iowa	1180F	Dubuque-Dunbarton, very stony, complex, 30 to 45 percent slopes, very	r
Iowa	1195F	Elkmound-Northfield complex, 30 to 60 percent slopes, very rocky	r
Iowa	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Iowa	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Iowa	2013	Pits, gravel	+
Iowa	2014	Pits, quarry, hard bedrock	+
Iowa	2019	Dumps, mine	+
Iowa	2050	Landfill	+
Iowa	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Iowa	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Iowa	428A	Shiffer loam, 0 to 3 percent slopes, rarely flooded	w
Iowa	608A	Lawson silt loam, 0 to 3 percent slopes, occasionally flooded	w
Iowa	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Iowa	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Iowa	Df	Dillon loamy fine sand	w
Iowa	DIB2	Dodgeville silt loam, shallow, 2 to 6 percent slopes, moderately eroded	r
Iowa	DIC2	Dodgeville silt loam, shallow, 6 to 12 percent slopes, moderately eroded	r
Iowa	DID2	Dodgeville silt loam, shallow, 12 to 20 percent slopes, moderately erode	r
Iowa	Mm	Millsdale silty clay loam, shale variant	w
Iowa	NfB2	Northfield loam, 2 to 6 percent slopes, moderately eroded	r
Iowa	NfC2	Northfield loam, 6 to 12 percent slopes, moderately eroded	r
Iowa	NfD2	Northfield loam, 12 to 20 percent slopes, moderately eroded	r
Iowa	NfE2	Northfield loam, 20 to 30 percent slopes, moderately eroded	r
Iowa	NoC2	Northfield sandy loam, 6 to 12 percent slopes, moderately eroded	r
Iowa	NoD2	Northfield sandy loam, 12 to 20 percent slopes, moderately eroded	r
Iowa	NoE2	Northfield sandy loam, 20 to 30 percent slopes, moderately eroded	r
Iowa	NsD2	Northfield stony loam, 12 to 20 percent slopes, moderately eroded	r
Iowa	NsE2	Northfield stony loam, 20 to 30 percent slopes, moderately eroded	r
Iowa	SoB2	Sogn and Dodgeville silt loams, shallow, 2 to 6 percent slopes, moderate	r
Iowa	SoC2	Sogn and Dodgeville silt loams, shallow, 6 to 12 percent slopes, moderat	r
Iowa	SoD2	Sogn and Dodgeville silt loams, shallow, 12 to 20 percent slopes, moderat	r
Iowa	SoE2	Sogn and Dodgeville silt loams, shallow, 20 to 30 percent slopes, moderat	r
Iowa	Wa	Walkkill silt loam	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Iron	1204B	Denomie-Gichigami complex, 2 to 6 percent slopes	w
Iron	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Iron	193A	Minocqua muck, 0 to 2 percent slopes	w
Iron	2015	Pits	+
Iron	2025	Pits and dumps, mine	+
Iron	2030	Udorthents and Udipsamments, cut or fill	+
Iron	3114A	Saprists, aquents, and aquepts, 0 to 1 percent slopes, ponded and flooded	w
Iron	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Iron	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Iron	375A	Robago fine sandy loam, lake terrace, 0 to 3 percent slopes	w
Iron	388B	Pelkie, occasionally flooded-Dechamps, frequently flooded complex, 0 to 2 percent slopes	w
Iron	3A	Totagatic-Bowstring-Ausable complex, 0 to 2 percent slopes, frequently flooded	w
Iron	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Iron	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Iron	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Iron	414A	Loxley and Beseman soils, 0 to 1 percent slopes	w
Iron	418A	Loxley and Dawson soils, 0 to 1 percent slopes	w
Iron	445A	Kinross muck, 0 to 2 percent slopes	w
Iron	455A	Kinross-Au Gres-Markey complex, 0 to 3 percent slopes	w
Iron	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Iron	5140A	Dawson, Greenwood, and Loxley soils, 0 to 1 percent slopes	w
Iron	5141A	Lupton-Pleine-Cathro complex, 0 to 1 percent slopes	w
Iron	514B	Iosco loamy sand, 0 to 4 percent slopes	w
Iron	5170A	Minocqua-Pleine-Cathro complex, 0 to 2 percent slopes	w
Iron	520A	Annriver silt loam, 0 to 2 percent slopes	w
Iron	5285F	Rockland-Arnheim, frequently flooded complex, 0 to 70 percent slopes	w
Iron	5369D	Dishno-Gogebic-Peshekee-Rock outcrop complex, 18 to 35 percent slopes	r
Iron	5369E	Michigamme-Schweitzer-Peshekee-Rock outcrop complex, 35 to 55 percent slopes	r
Iron	5369F	Michigamme-Schweitzer-Peshekee-Rock outcrop complex, 55 to 75 percent slopes	r
Iron	5373A	Cathro muck, drainageway, 0 to 1 percent slopes	w
Iron	5374A	Bowstring-Arnheim complex, 0 to 1 percent slopes, frequently flooded	w
Iron	5425A	Foxpaw-Gay, stony complex, 0 to 2 percent slopes	w
Iron	5429B	Gogebic-Peshekee complex, 2 to 6 percent slopes, very stony, very rocky	r
Iron	5429C	Gogebic-Peshekee complex, 6 to 18 percent slopes, very stony, very rocky	r
Iron	5429D	Gogebic-Peshekee complex, 18 to 35 percent slopes, very stony, very rocky	r
Iron	5432C	Gogebic-Michigamme-Rock outcrop complex, 6 to 18 percent slopes, very stony	r
Iron	5432D	Gogebic-Michigamme-Rock outcrop complex, 6 to 35 percent slopes, very stony	r
Iron	5432E	Schweitzer-Michigamme-Rock outcrop complex, very stony, 18 to 55 percent slopes	r
Iron	5504A	Moquah-Arnheim complex, 0 to 3 percent slopes, frequently flooded	w
Iron	5509A	Cathro-Minocqua complex, drainageway, 0 to 1 percent slopes	w
Iron	5541B	Michigamme-Channing complex, 0 to 6 percent slopes, very stony, rocky	w
Iron	5541C	Michigamme-Channing complex, 0 to 18 percent slopes, very stony, rocky	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Iron	5543B	Chabeneau-Annalake complex, 0 to 6 percent slopes	w
Iron	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Iron	5A	Arnheim mucky silt loam, 0 to 1 percent slopes, frequently flooded	w
Iron	600A	Haplosaprists and Psammaquents, 0 to 2 percent slopes	w
Iron	617C	Sedgwick-Rock outcrop complex, 2 to 15 percent slopes	r
Iron	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Iron	701A	Whisklake silt loam, 0 to 3 percent slopes	w
Iron	755A	Moppet, occasionally flooded-Fordum, frequently flooded complex, 0 to w	
Iron	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Iron	830A	Spiderlake silt loam, 0 to 3 percent slopes, stony	w
Iron	884C	Keweenaw, stony-Vilas-Cathro complex, 0 to 15 percent slopes	w
Iron	9050A	Fordum, Totagatic, and Bowstring soils, 0 to 1 percent slopes, frequently w	
Iron	9155A	Haplosaprists, Peats, and Mucks, 0 to 1 percent slopes	w
Jackson	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Jackson	1218A	Ironrun-Ponycreek complex, 0 to 3 percent slopes	w
Jackson	1269A	Veedum-Elm Lake mucks, 0 to 2 percent slopes	w
Jackson	1286B	Humbird-Merrillan fine sandy loams, 0 to 6 percent slopes	w
Jackson	1288A	Merrillan-Veedum complex, 0 to 3 percent slopes	w
Jackson	1296B	Ludington-Fairchild sands, 0 to 6 percent slopes	w
Jackson	1298A	Fairchild-Elm Lake complex, 0 to 3 percent slopes	w
Jackson	1358A	Moppet-Fordum complex, 0 to 3 percent slopes, frequently flooded	w
Jackson	1519A	Ponycreek-Dawsil complex, 0 to 2 percent slopes	w
Jackson	1548A	Majik-Ponycreek complex, lake terrace, 0 to 3 percent slopes	w
Jackson	1599A	Ponycreek-Dawsil complex, lake terrace, 0 to 2 percent slopes	w
Jackson	15A	Loxley peat, 0 to 1 percent slopes	w
Jackson	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded w	
Jackson	17A	Dawsil mucky peat, lake terrace, 0 to 1 percent slopes	w
Jackson	2013	Pits, gravel	+
Jackson	2016	Pits, quarry, soft bedrock	+
Jackson	2019	Dumps, mine	+
Jackson	2022	Pits, siliceous sand	+
Jackson	2050	Landfill	+
Jackson	25A	Dawsil mucky peat, 0 to 1 percent slopes	w
Jackson	288A	Merrillan fine sandy loam, 0 to 3 percent slopes	w
Jackson	298A	Fairchild sand, 0 to 3 percent slopes	w
Jackson	299A	Elm Lake mucky sand, 0 to 2 percent slopes	w
Jackson	30A	Adder muck, 0 to 1 percent slopes, frequently flooded	w
Jackson	328A	Rowley silt loam, 0 to 3 percent slopes	w
Jackson	37A	Loxley peat, lake terrace, 0 to 1 percent slopes	w
Jackson	448A	Sooner silt loam, 0 to 3 percent slopes	w
Jackson	458A	Hoop sandy loam, 0 to 3 percent slopes	w
Jackson	519A	Ponycreek muck, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Jackson	568A	Majik loamy fine sand, 0 to 3 percent slopes	w
Jackson	569A	Newlang muck, 0 to 2 percent slopes, occasionally flooded	w
Jackson	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Jackson	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Jackson	679A	Ettrick silt loam, 0 to 2 percent slopes, shallow, frequently flooded	w
Jackson	688A	Sechler loam, 0 to 3 percent slopes, occasionally flooded	w
Jackson	99A	Citypoint mucky peat, 0 to 1 percent slopes	w
Jackson	9A	Houghton and Palms mucks, 0 to 1 percent slopes, frequently flooded	w
Jefferson	Ad	Adrian muck	w
Jefferson	BaA	Barry silt loam, 0 to 3 percent slopes	w
Jefferson	Ed	Edwards muck	w
Jefferson	Ev	Elvers silt loam	w
Jefferson	Fn	Fluvaquents	w
Jefferson	Gd	Gilford sandy loam	w
Jefferson	Ht	Houghton muck	w
Jefferson	Kb	Keowns silt loam	w
Jefferson	KdA	Kibbie fine sandy loam, 0 to 3 percent slopes	w
Jefferson	MmA	Matherton silt loam, 0 to 3 percent slopes	w
Jefferson	Mr	Milford silty clay loam	w
Jefferson	Ot	Otter silt loam	w
Jefferson	Pa	Palms muck, 0 to 2 percent slopes	w
Jefferson	Pb	Palms muck, ponded, 0 to 2 percent slopes	w
Jefferson	Pg	Pits, gravel	+
Jefferson	Sm	Sebewa silt loam	w
Jefferson	Sn	Sebewa silt loam, clayey substratum	w
Jefferson	Wa	Wacousta silty clay loam, 0 to 2 percent slopes	w
Jefferson	WmA	Wasepi sandy loam, 0 to 3 percent slopes	w
Juneau	1009A	Meehan-Newson complex, lake terrace, 0 to 3 percent slopes	w
Juneau	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Juneau	1218A	Ironrun-Ponycreek complex, 0 to 3 percent slopes	w
Juneau	1519A	Ponycreek-Dawsil complex, 0 to 2 percent slopes	w
Juneau	1548A	Majik-Ponycreek complex, lake terrace, 0 to 3 percent slopes	w
Juneau	1599A	Ponycreek-Dawsil complex, lake terrace, 0 to 2 percent slopes	w
Juneau	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Juneau	17A	Dawsil mucky peat, lake terrace, 0 to 1 percent slopes	w
Juneau	2014	Pits, quarry, hard bedrock	+
Juneau	2016	Pits, quarry, soft bedrock	+
Juneau	2022	Pits, siliceous sand	+
Juneau	2030	Udorthents and Udipsamments, cut or fill	+
Juneau	2050	Landfill	+
Juneau	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Juneau	238A	Korobago sandy loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Juneau	244B	Elk mound loam, 1 to 6 percent slopes	r
Juneau	248A	Partridge loamy fine sand, 0 to 3 percent slopes	w
Juneau	2A	Palms muck, lake terrace, 0 to 1 percent slopes	w
Juneau	30A	Adder muck, 0 to 1 percent slopes, frequently flooded	w
Juneau	359A	Menasha silty clay loam, 0 to 2 percent slopes	w
Juneau	37A	Loxley peat, lake terrace, 0 to 1 percent slopes	w
Juneau	448A	Sooner silt loam, 0 to 3 percent slopes	w
Juneau	458A	Hoop sandy loam, 0 to 3 percent slopes	w
Juneau	498A	Hoop sandy loam, loamy substratum, 0 to 3 percent slopes	w
Juneau	499A	Lows loam, lake terrace, 0 to 2 percent slopes, rarely flooded	w
Juneau	4A	Newson-Dawson complex, lake terrace, 0 to 2 percent slopes	w
Juneau	519A	Ponycreek muck, 0 to 2 percent slopes	w
Juneau	528A	Majik loamy sand, lake terrace, 0 to 3 percent slopes	w
Juneau	539A	Ponycreek muck, lake terrace, 0 to 2 percent slopes	w
Juneau	559A	Wautoma loamy sand	w
Juneau	568A	Majik loamy fine sand, 0 to 3 percent slopes	w
Juneau	569A	Newlang muck, 0 to 2 percent slopes, occasionally flooded	w
Juneau	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Juneau	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Juneau	699A	Ettrick silt loam, lake terrace, 0 to 2 percent slopes, rarely flooded	w
Juneau	888A	Meehan loamy sand, lake terrace, 0 to 3 percent slopes	w
Kenosha	Ac	Adrian muck	w
Kenosha	Am	Alluvial land	w
Kenosha	AtA	Ashkum silty clay loam, 0 to 2 percent slopes	w
Kenosha	AuA	Aztalan sandy loam, 1 to 3 percent slopes	w
Kenosha	AzA	Aztalan loam, 0 to 2 percent slopes	w
Kenosha	AzB	Aztalan loam, 2 to 6 percent slopes	w
Kenosha	BP	Borrow pit	+
Kenosha	CP	Coal pile	+
Kenosha	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Kenosha	CyA	Conover silt loam, 1 to 3 percent slopes	w
Kenosha	DaA	Darroch fine sandy loam, neutral variant, 0 to 3 percent slopes	w
Kenosha	Dh	Dorchester silt loam	w
Kenosha	Dt	Drummer silt loam, gravelly substratum	w
Kenosha	EtB	Elliott silty clay loam, 2 to 6 percent slopes	w
Kenosha	Gf	Granby fine sandy loam	w
Kenosha	Gm	Granby fine sandy loam, loamy substratum	w
Kenosha	GnA	Granby fine sandy loam, brown subsoil variant, 0 to 3 percent slopes	w
Kenosha	GP	Gravel pit	+
Kenosha	Ht	Houghton muck	w
Kenosha	KaA	Kane loam, 1 to 3 percent slopes	w
Kenosha	KhA	Kane silt loam, clayey substratum, 1 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Kenosha	LDF	Landfill	+
Kenosha	Mf	Marsh	w
Kenosha	MgA	Martinton silt loam, 1 to 3 percent slopes	w
Kenosha	MkA	Matherton loam, 1 to 3 percent slopes	w
Kenosha	MIA	Matherton loam, clayey substratum, 1 to 3 percent slopes	w
Kenosha	Mzc	Montgomery silty clay	w
Kenosha	MzfA	Mundelein silt loam, 1 to 3 percent slopes	w
Kenosha	Mzg	Muskego muck	w
Kenosha	Mzk	Mussey loam	w
Kenosha	Na	Navan silt loam	w
Kenosha	Oc	Ogden muck	w
Kenosha	Pa	Palms muck, 0 to 2 percent slopes	w
Kenosha	Ph	Pella silt loam, 0 to 2 percent slopes	w
Kenosha	QUA	Quarry	+
Kenosha	RaA	Radford silt loam, 0 to 3 percent slopes	w
Kenosha	Rt	Rollin muck	w
Kenosha	Sfb	Sandy lake beaches	w
Kenosha	Sg	Sawmill silt loam, calcareous variant	w
Kenosha	Sm	Sebewa silt loam	w
Kenosha	Wa	Wallkill silt loam	w
Kenosha	WmA	Wasepi sandy loam, 1 to 3 percent slopes	w
Kenosha	WnA	Wasepi sandy loam, clayey substratum, 1 to 3 percent slopes	w
Kenosha	Ww	Wet alluvial land	w
Kenosha	WyA	Worthen silt loam, 0 to 3 percent slopes	w
Kenosha	YaA	Yahara fine sandy loam, 1 to 3 percent slopes	w
Kewaunee	AdA	Allendale loamy fine sand, 0 to 3 percent slopes	w
Kewaunee	Ax	Angelica silt loam	w
Kewaunee	Ba	Bach silt loam	w
Kewaunee	Bn	Bonduel loam	w
Kewaunee	Bo	Borosapristis	w
Kewaunee	Ca	Carbondale muck	w
Kewaunee	Cm	Cathro muck	w
Kewaunee	FaA	Fabius loam, 0 to 3 percent slopes	w
Kewaunee	Fu	Fluvaquents	w
Kewaunee	HsB	Hortonville-Symco silt loams, 1 to 6 percent slopes	w
Kewaunee	KuA	Kibbie silt loam, 0 to 3 percent slopes	w
Kewaunee	KvA	Kibbie variant silt loam, 0 to 3 percent slopes	w
Kewaunee	KxB	Kolberg variant silt loam, 1 to 6 percent slopes	r
Kewaunee	LDF	Landfill	+
Kewaunee	McA	Manawa silt loam, 0 to 3 percent slopes	w
Kewaunee	Mk	Markey muck	w
Kewaunee	MmA	Matherton silt loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Kewaunee	My	Mussey loam	w
Kewaunee	NaB	Namur loam, 1 to 6 percent slopes	r
Kewaunee	NrD	Namur-Rock outcrop complex, 6 to 20 percent slopes	r
Kewaunee	Pe	Pella silt loam, 0 to 2 percent slopes	w
Kewaunee	Pg	Gravel pits	+
Kewaunee	Po	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Kewaunee	QUA	Quarry	+
Kewaunee	Rs	Roscommon mucky loamy sand	w
Kewaunee	Ru	Ruse loam	wr
Kewaunee	ShA	Shiocton silt loam, 0 to 3 percent slopes	w
Kewaunee	SoA	Solona silt loam, 0 to 3 percent slopes	w
Kewaunee	SyA	Symco silt loam, 0 to 3 percent slopes	w
Kewaunee	Uf	Udifluvents	w
Kewaunee	WaA	Wainola loamy fine sand, 0 to 3 percent slopes	w
La Crosse	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
La Crosse	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
La Crosse	2013	Pits, gravel	+
La Crosse	2014	Pits, quarry, hard bedrock	+
La Crosse	2030	Udorthents and Udipsamments, cut or fill	+
La Crosse	2040	Udipsamments, dredge material	+
La Crosse	2050	Landfill	+
La Crosse	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
La Crosse	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
La Crosse	30A	Adder muck, 0 to 1 percent slopes, frequently flooded	w
La Crosse	458A	Hoop sandy loam, 0 to 3 percent slopes	w
La Crosse	568A	Majik loamy fine sand, 0 to 3 percent slopes	w
La Crosse	569A	Newlang muck, 0 to 2 percent slopes, occasionally flooded	w
La Crosse	608A	Lawson silt loam, 0 to 3 percent slopes, occasionally flooded	w
La Crosse	609A	Otter silt loam, 0 to 2 percent slopes, frequently flooded	w
La Crosse	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
La Crosse	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
La Crosse	739A	Root loam, 0 to 2 percent slopes, frequently flooded	w
Lafayette	1130E	Lacrescent-Dunbarton complex, 20 to 30 percent slopes, very stony	r
Lafayette	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Lafayette	1177E	Derinda-Rock outcrop-Elizabeth complex, 20 to 30 percent slopes, rubble	r
Lafayette	1177F	Derinda-Rock outcrop-Elizabeth complex, 30 to 60 percent slopes, rubble	r
Lafayette	1180B2	Dubuque, clayey substratum-Dunbarton complex, 2 to 6 percent slopes,	r
Lafayette	1180C2	Dubuque, clayey substratum-Dunbarton complex, 6 to 12 percent slopes	r
Lafayette	1180D2	Dubuque, clayey substratum-Dunbarton complex, 12 to 20 percent slopes	r
Lafayette	1180E	Dubuque-Dunbarton, very stony, complex, 20 to 30 percent slopes, very	r
Lafayette	1180F	Dubuque-Dunbarton, very stony, complex, 30 to 45 percent slopes, very	r
Lafayette	1195E	Elkmound-Northfield complex, 20 to 30 percent slopes, very rocky	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Lafayette	1195F	Elkmound-Northfield complex, 30 to 60 percent slopes, very rocky	r
Lafayette	Ad	Alluvial land	w
Lafayette	Ba	Boaz silt loam	w
Lafayette	CaA	Calamine silt loam, 0 to 2 percent slopes	w
Lafayette	CaB	Calamine silt loam, 2 to 6 percent slopes	w
Lafayette	CaC2	Calamine silt loam, 6 to 12 percent slopes, moderately eroded	w
Lafayette	DuF	Dunbarton silt loam, 30 to 45 percent slopes	r
Lafayette	EdB2	Edmund silt loam, 2 to 6 percent slopes, moderately eroded	r
Lafayette	EdC2	Edmund silt loam, 6 to 12 percent slopes, moderately eroded	r
Lafayette	EdD2	Edmund silt loam, 12 to 20 percent slopes, moderately eroded	r
Lafayette	Hu	Houghton mucky peat	w
Lafayette	LDF	Landfill	+
Lafayette	Ma	Marsh	w
Lafayette	Mb	Marshan silt loam	w
Lafayette	NfC2	Northfield loam, 6 to 12 percent slopes, moderately eroded	r
Lafayette	NfD2	Northfield loam, 12 to 20 percent slopes, moderately eroded	r
Lafayette	NfE2	Northfield loam, 20 to 30 percent slopes, moderately eroded	r
Lafayette	NoB2	Northfield sandy loam, 2 to 6 percent slopes, moderately eroded	r
Lafayette	NoC2	Northfield sandy loam, 6 to 12 percent slopes, moderately eroded	r
Lafayette	NoD2	Northfield sandy loam, 12 to 20 percent slopes, moderately eroded	r
Lafayette	NoE2	Northfield sandy loam, 20 to 30 percent slopes, moderately eroded	r
Lafayette	NoF	Northfield sandy loam, 30 to 45 percent slopes	r
Lafayette	Ow	Orion silt loam, wet variant	w
Lafayette	QUA	Quarry	+
Lafayette	Sa	Sable silt loam	w
Lafayette	Sb	Sable silt loam, benches	w
Lafayette	SoC2	Sogn silt loam, 2 to 12 percent slopes, moderately eroded	r
Lafayette	SoD2	Sogn silt loam, 12 to 20 percent slopes, moderately eroded	r
Lafayette	SoE2	Sogn silt loam, 20 to 30 percent slopes, moderately eroded	r
Lafayette	SoF	Sogn silt loam, 30 to 45 percent slopes	r
Langlade	As	Au Gres loamy sand	w
Langlade	Fm	Fordum mucky silt loam	w
Langlade	HyB	Hatley silt loam, 2 to 6 percent slopes, stony	w
Langlade	Ig	Ingalls loamy sand	w
Langlade	LDF	Landfill	+
Langlade	Lx	Loxley peat	w
Langlade	MoB	Milladore silt loam, 0 to 4 percent slopes	w
Langlade	Ms	Minocqua, Cable, and Sherry mucks	w
Langlade	MyB	Mylrea silt loam, 0 to 4 percent slopes	w
Langlade	Os	Oesterle silt loam	w
Langlade	Sy	Lupton and Cathro soils, 0 to 1 percent slopes	w
Lincoln	AuA	Au Gres loamy sand, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Lincoln	Fh	Fordum loam, 0 to 2 percent slopes	w
Lincoln	HyB	Hatley silt loam, 0 to 4 percent slopes	w
Lincoln	Lo	Loxley and Dawson peats, 0 to 1 percent slopes	w
Lincoln	Lu	Lupton and Cathro soils, 0 to 1 percent slopes	w
Lincoln	MxB	Moodig sandy loam, 0 to 4 percent slopes	w
Lincoln	OsA	Ossmer silt loam, 0 to 3 percent slopes	w
Lincoln	Pt	Gravel pit	+
Lincoln	WoA	Worcester sandy loam, 0 to 3 percent slopes	w
Manitowoc	Ac	Adrian muck	w
Manitowoc	BcA	Bellevue silt loam, 0 to 3 percent slopes	w
Manitowoc	Bu	Brookston silt loam	w
Manitowoc	CnB	Channahon loam, 2 to 6 percent slopes	r
Manitowoc	CnC	Channahon loam, 6 to 12 percent slopes	r
Manitowoc	Fu	Fluvaquents	w
Manitowoc	Gb	Granby fine sandy loam	w
Manitowoc	Hu	Houghton muck	w
Manitowoc	Ke	Keowns very fine sandy loam	w
Manitowoc	MbA	Manawa silt loam, 0 to 3 percent slopes	w
Manitowoc	MuA	Mundelein silt loam, 0 to 3 percent slopes	w
Manitowoc	OgB	Oakville-Granby complex, 0 to 4 percent slopes	w
Manitowoc	Pa	Palms muck, 0 to 2 percent slopes	w
Manitowoc	Pe	Pella silt loam, 0 to 2 percent slopes	w
Manitowoc	Pg	Pits, gravel	+
Manitowoc	Ph	Pits, quarries	+
Manitowoc	Po	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Manitowoc	ShA	Shiocton very fine sandy loam, 0 to 3 percent slopes	w
Manitowoc	SyA	Symco silt loam, 0 to 3 percent slopes	w
Manitowoc	TeA	Tedrow loamy fine sand, 0 to 3 percent slopes	w
Manitowoc	WaA	Wasepi sandy loam, 0 to 3 percent slopes	w
Manitowoc	Wt	Willette muck, 0 to 2 percent slopes	w
Marathon	Ad	Altdorf mucky silt loam, 0 to 2 percent slopes	w
Marathon	CbA	Cable silt loam, 0 to 3 percent slopes, stony	w
Marathon	Ch	Cathro muck, 0 to 1 percent slopes	w
Marathon	Da	Dancy sandy loam, 0 to 2 percent slopes	w
Marathon	DoA	Dolph silt loam, 0 to 3 percent slopes	w
Marathon	Fh	Fordum silt loam, 0 to 1 percent slopes	w
Marathon	Gr	Greenwood peat, 0 to 1 percent slopes	w
Marathon	HtB	Hatley silt loam, 1 to 6 percent slopes	w
Marathon	HyB	Hatley cobbly silt loam, 1 to 6 percent slopes, bouldery	w
Marathon	LDF	Landfill	+
Marathon	MgA	Meadland loam, 0 to 3 percent slopes	w
Marathon	MhA	Meadland loam, 0 to 3 percent slopes, stony	w

NR 243
manure
application
restriction

County	Map unit symbol	Map unit name	
Marathon	Mm	Meehan loamy sand, 0 to 2 percent slopes	w
Marathon	Mn	Minocqua sandy loam, 0 to 2 percent slopes	w
Marathon	MyB	Mylrea silt loam, 1 to 6 percent slopes	w
Marathon	MzB	Mylrea silt loam, 1 to 6 percent slopes, stony	w
Marathon	Ne	Newson mucky loamy sand, 0 to 1 percent slopes	w
Marathon	Oe	Oesterle loam, 0 to 2 percent slopes	w
Marathon	Pg	Pits, gravel	+
Marathon	Ph	Pits, quarries	r
Marathon	RcB	Rietbrock silt loam, 1 to 8 percent slopes	w
Marathon	ReB	Rietbrock silt loam, 1 to 8 percent slopes, stony	w
Marathon	RhA	Rockers loamy sand, 0 to 3 percent slopes	w
Marathon	Se	Seelyeville muck, 0 to 1 percent slopes	w
Marathon	ShA	Sherry silt loam, 0 to 3 percent slopes	w
Marathon	St	Sturgeon silt loam, 0 to 2 percent slopes	w
Marinette	3902B	Emmet-Solona fine sandy loams, 0 to 6 percent slopes	w
Marinette	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Marinette	Ar	Arnheim silt loam, 0 to 1 percent slopes	w
Marinette	AuA	Au Gres loamy sand, 0 to 3 percent slopes	w
Marinette	BaA	Banat sandy loam, 0 to 3 percent slopes	w
Marinette	BnA	Bonduel loam, 0 to 3 percent slopes	w
Marinette	Bs	Brevort muck, 0 to 2 percent slopes	w
Marinette	Bv	Bruce fine sandy loam, 0 to 2 percent slopes	w
Marinette	ChA	Charlevoix fine sandy loam, 0 to 3 percent slopes	w
Marinette	De	Deford mucky fine sand, 0 to 2 percent slopes	w
Marinette	Ey	Ensley loam, 0 to 2 percent slopes	w
Marinette	Fw	Forada mucky loam, 0 to 1 percent slopes	w
Marinette	GaA	Gaastra silt loam, 0 to 3 percent slopes	w
Marinette	HbB	Hibbing silt loam, 1 to 6 percent slopes	w
Marinette	IsA	Iosco loamy fine sand, 0 to 3 percent slopes	w
Marinette	IxC	Ishpeming-Rock outcrop complex, 4 to 15 percent slopes	r
Marinette	LDF	Landfill	+
Marinette	Ls	Loxley and Dawson peats, 0 to 1 percent slopes	w
Marinette	MrC	Michigamme-Rock outcrop complex, 4 to 15 percent slopes	r
Marinette	MsA	Monico fine sandy loam, 0 to 3 percent slopes	w
Marinette	Nh	Nahma muck, 0 to 2 percent slopes	w
Marinette	Pn	Pinconning loamy sand, 0 to 2 percent slopes	w
Marinette	Rc	Roscommon mucky loamy sand, 0 to 2 percent slopes	w
Marinette	Rm	Roscommon-Rock outcrop complex, 0 to 2 percent slopes	wr
Marinette	Sa	Saprists and Psammaquents, ponded	w
Marinette	Sdi	Seelyeville and Markey mucks, interdrumlin, 0 to 1 percent slopes	w
Marinette	SeA	Selkirk silt loam, 0 to 3 percent slopes	w
Marinette	SuB	Summerville fine sandy loam, 1 to 6 percent slopes	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Marinette	SuC	Summerville fine sandy loam, 6 to 12 percent slopes	r
Marinette	Ur	Urban land	+
Marinette	WaA	Wainola loamy fine sand, 0 to 3 percent slopes	w
Marinette	WrA	Worcester fine sandy loam, 0 to 3 percent slopes	w
Marquette	Ac	Adrian mucky peat, deep	w
Marquette	Ad	Adrian mucky peat, shallow	w
Marquette	Ae	Adrian mucky peat, deep, stratified subsoil variant	w
Marquette	Ak	Adrian mucky peat, shallow, stratified subsoil variant	w
Marquette	Am	Alluvial land	w
Marquette	An	Alluvial land, wet	w
Marquette	Ao	Ankeny fine sandy loam	w
Marquette	BoA	Boyer fine sandy loam, dark surface variant, 0 to 2 percent slopes	w
Marquette	BsA	Briggsville loam, 0 to 2 percent slopes	w
Marquette	BvA	Briggsville silt loam, 0 to 2 percent slopes	w
Marquette	Co	Colwood fine sandy loam	w
Marquette	GP	Gravel pit	+
Marquette	Gr	Granby loamy fine sand	w
Marquette	Gs	Granby fine sandy loam	w
Marquette	Gt	Granby fine sandy loam, loamy substratum	w
Marquette	Hm	Houghton mucky peat	w
Marquette	Hp	Houghton peat, acid variant	w
Marquette	Ke	Keowns fine sandy loam	w
Marquette	Ma	Marsh	w
Marquette	MtA	Mosel fine sandy loam, 0 to 3 percent slopes	w
Marquette	MuA	Mosel loam, 0 to 3 percent slopes	w
Marquette	MxA	Mundelein loam, 0 to 3 percent slopes	w
Marquette	MyA	Mundelein silt loam, 0 to 3 percent slopes	w
Marquette	Pa	Palms mucky peat, 0 to 2 percent slopes	w
Marquette	Pc	Palms mucky peat, shallow	w
Marquette	Po	Poygan fine sandy loam	w
Marquette	Ps	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Marquette	QUA	Quarry	+
Marquette	Ro	Rollin mucky peat	w
Marquette	TdA	Tedrow loamy fine sand, 0 to 3 percent slopes	w
Marquette	TeA	Tedrow loamy fine sand, loamy substratum, 0 to 3 percent slopes	w
Marquette	TfA	Tedrow fine sandy loam, 0 to 3 percent slopes	w
Marquette	TIA	Tedrow fine sandy loam, loamy substratum, 0 to 3 percent slopes	w
Marquette	W	Water	w
Menominee	AuA	Au Gres loamy sand, 0 to 3 percent slopes	w
Menominee	IgA	Ingalls loamy sand, 0 to 3 percent slopes	w
Menominee	IsB	Iosco loamy sand, 0 to 4 percent slopes	w
Menominee	IxB	Ishpeming-Rock outcrop complex, 0 to 6 percent slopes	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Menominee	IxC	Ishpeming-Rock outcrop complex, 6 to 15 percent slopes	r
Menominee	LDF	Landfill	+
Menominee	LoA	Loxley peat, 0 to 1 percent slopes	w
Menominee	LuA	Lupton, Markey, and Cathro mucks, 0 to 1 percent slopes	w
Menominee	MqB	Mequithy-Rock outcrop complex, 0 to 6 percent slopes	r
Menominee	MqC	Mequithy-Rock outcrop complex, 6 to 15 percent slopes	r
Menominee	MuA	Minocqua muck, 0 to 2 percent slopes	w
Menominee	Pt	Pits, gravel	+
Menominee	RbA	Robago fine sandy loam, 0 to 3 percent slopes	w
Menominee	RcA	Roscommon muck, 0 to 2 percent slopes	w
Menominee	WaA	Wainola loamy fine sand, 0 to 3 percent slopes	w
Menominee	WkB	Wayka-Rock outcrop complex, 0 to 4 percent slopes	r
Menominee	WrA	Worcester fine sandy loam, 0 to 3 percent slopes	w
Menominee	WtA	Wormet fine sandy loam, 0 to 3 percent slopes	w
Milwaukee	Ac	Adrian muck	w
Milwaukee	Am	Alluvial land	w
Milwaukee	AsA	Ashkum silty clay loam, 0 to 2 percent slopes	w
Milwaukee	BP	Borrow pit	+
Milwaukee	BsA	Brookston silt loam, 0 to 3 percent slopes	w
Milwaukee	CP	Coal pit	+
Milwaukee	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Milwaukee	Dt	Drummer silt loam, gravelly substratum	w
Milwaukee	FaA	Fabius loam, 1 to 3 percent slopes	w
Milwaukee	Gd	Gilford loam	w
Milwaukee	Gf	Granby fine sandy loam	w
Milwaukee	GP	Gravel pit	+
Milwaukee	HtA	Houghton muck, 0 to 2 percent slopes	w
Milwaukee	HtB	Houghton muck, 2 to 6 percent slopes	w
Milwaukee	LDF	Landfill	+
Milwaukee	MaA	Manawa silt loam, 0 to 3 percent slopes	w
Milwaukee	Mf	Marsh	w
Milwaukee	MhA	Matherton sandy loam, 1 to 3 percent slopes	w
Milwaukee	MmA	Matherton silt loam, 1 to 3 percent slopes	w
Milwaukee	Mzb	Montgomery silty clay loam	w
Milwaukee	Mzg	Muskego muck	w
Milwaukee	Mzk	Mussey loam	w
Milwaukee	Na	Navan silt loam	w
Milwaukee	Oc	Ogden muck	w
Milwaukee	Pa	Palms muck, 0 to 2 percent slopes	w
Milwaukee	Ph	Pella silt loam, 0 to 2 percent slopes	w
Milwaukee	Pm	Pella silt loam, moderately shallow variant	w
Milwaukee	QUA	Quarry	+

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Milwaukee	RkB	Ritchey silt loam, 1 to 6 percent slopes	r
Milwaukee	RkC2	Ritchey silt loam, 6 to 12 percent slopes, eroded	r
Milwaukee	RkE	Ritchey silt loam, 12 to 30 percent slopes	r
Milwaukee	Ru	Rollin muck, deep	w
Milwaukee	Rv	Rollin muck, shallow	w
Milwaukee	SfB	Sandy lake beaches	w
Milwaukee	Sg	Sawmill silt loam, calcareous variant	w
Milwaukee	Sm	Sebewa silt loam	w
Milwaukee	UA	Unmapped area	+
Milwaukee	Wa	Wallkill silt loam	w
Milwaukee	Ww	Wet alluvial land	w
Monroe	1203F	Boone-Rock outcrop complex, 30 to 70 percent slopes	r
Monroe	1218A	Ironrun-Ponycreek complex, 0 to 3 percent slopes	w
Monroe	1519A	Ponycreek-Dawsil complex, 0 to 2 percent slopes	w
Monroe	1548A	Majik-Ponycreek complex, lake terrace, 0 to 3 percent slopes	w
Monroe	1599A	Ponycreek-Dawsil complex, lake terrace, 0 to 2 percent slopes	w
Monroe	15A	Loxley peat, 0 to 1 percent slopes	w
Monroe	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Monroe	164E	Elizabeth flaggy silt loam, 20 to 30 percent slopes	r
Monroe	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Monroe	17A	Dawsil mucky peat, lake terrace, 0 to 1 percent slopes	w
Monroe	2014	Pits, quarry, hard bedrock	+
Monroe	2016	Pits, quarry, soft bedrock	+
Monroe	2022	Pits, siliceous sand	+
Monroe	2030	Udorthents and Udipsamments, cut or fill	+
Monroe	2050	Landfill	+
Monroe	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Monroe	25A	Dawsil mucky peat, 0 to 1 percent slopes	w
Monroe	2A	Palms muck, lake terrace, 0 to 1 percent slopes	w
Monroe	30A	Adder muck, 0 to 1 percent slopes, frequently flooded	w
Monroe	359A	Menasha silty clay loam, 0 to 2 percent slopes	w
Monroe	37A	Loxley peat, lake terrace, 0 to 1 percent slopes	w
Monroe	448A	Sooner silt loam, 0 to 3 percent slopes	w
Monroe	458A	Hoop sandy loam, 0 to 3 percent slopes	w
Monroe	498A	Hoop sandy loam, loamy substratum, 0 to 3 percent slopes	w
Monroe	499A	Lows loam, lake terrace, 0 to 2 percent slopes, rarely flooded	w
Monroe	519A	Ponycreek muck, 0 to 2 percent slopes	w
Monroe	559A	Wautoma loamy sand	w
Monroe	568A	Majik loamy fine sand, 0 to 3 percent slopes	w
Monroe	569A	Newlang muck, 0 to 2 percent slopes, occasionally flooded	w
Monroe	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Monroe	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Monroe	679A	Ettrick silt loam, 0 to 2 percent slopes, shallow, frequently flooded	w
Monroe	688A	Sechler loam, 0 to 3 percent slopes, occasionally flooded	w
Monroe	699A	Ettrick silt loam, lake terrace, 0 to 2 percent slopes, rarely flooded	w
Oconto	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Oconto	Bs	Brevort mucky loamy sand, 0 to 2 percent slopes	w
Oconto	Co	Cormant loamy fine sand, 0 to 1 percent slopes	w
Oconto	Es	Ensley mucky loam, 0 to 2 percent slopes	w
Oconto	LDF	Landfill	+
Oconto	Lx	Loxley mucky peat, 0 to 1 percent slopes	w
Oconto	Mu	Minocqua mucky fine sandy loam, 0 to 2 percent slopes	w
Oconto	Psd	Peshekee-Rock outcrop complex, 4 to 30 percent slopes	r
Oconto	Pt	Pits	+
Oconto	Sb	Saprists and Aquentes, ponded	w
Oconto	Sdi	Seelyville and Markey mucks, interdrumlin, 0 to 1 percent slopes	w
Oconto	SuB	Summerville fine sandy loam, 2 to 8 percent slopes	r
Oconto	SuE	Summerville fine sandy loam, 20 to 45 percent slopes	r
Oconto	WaA	Wainola loamy fine sand, 0 to 3 percent slopes	w
Oconto	Wd	Waupaca very fine sandy loam, 0 to 2 percent slopes	w
Oconto	Wf	Winterfield fine sandy loam, 0 to 2 percent slopes	w
Oconto	WrA	Worcester loam, 0 to 3 percent slopes	w
Oneida	Au	Au Gres loamy sand, 0 to 2 percent slopes	w
Oneida	CaA	Cable muck, 0 to 3 percent slopes, stony	w
Oneida	Cb	Carbondale, Lupton, and Markey mucks, 0 to 1 percent slopes	w
Oneida	Fh	Fordum mucky very fine sandy loam, 0 to 2 percent slopes	w
Oneida	Gr	Greenwood, Loxley, and Dawson peats, 0 to 1 percent slopes	w
Oneida	Ks	Kinross muck, 0 to 2 percent slopes	w
Oneida	Mc	Minocqua silt loam, 0 to 2 percent slopes	w
Oneida	MoB	Monico loam, 1 to 6 percent slopes, stony	w
Oneida	PrB	Pequaming loamy sand, 1 to 3 percent slopes, stony	w
Oneida	Pt	Pits, gravel	+
Oneida	WoA	Worcester sandy loam, 0 to 3 percent slopes	w
Outagamie	AdA	Allendale loamy fine sand, 0 to 3 percent slopes	w
Outagamie	Ax	Angelica silt loam	w
Outagamie	Bc	Bellevue silt loam	w
Outagamie	BnA	Bonduel silt loam, 0 to 3 percent slopes	w
Outagamie	Ca	Carbondale muck	w
Outagamie	Cm	Cathro muck	w
Outagamie	CnB	Channahon silt loam, 2 to 6 percent slopes	r
Outagamie	De	Deford loamy fine sand	w
Outagamie	Fu	Fluvaquents	w
Outagamie	Gp	Gravel pits	+
Outagamie	HtB	Hortonville-Symco silt loams, 1 to 6 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Outagamie	KaA	Kaukauna silty clay loam, 0 to 3 percent slopes	w
Outagamie	Ke	Keowns silt loam	w
Outagamie	LDF	Landfill	+
Outagamie	Ln	Limestone quarries	r
Outagamie	Lo	Lobo peat	w
Outagamie	Mk	Markey muck	w
Outagamie	MuA	Mundelein silt loam, 0 to 3 percent slopes	w
Outagamie	NaB	Namur silt loam, 1 to 6 percent slopes	r
Outagamie	Pe	Pella silt loam, 0 to 2 percent slopes	w
Outagamie	Po	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Outagamie	Ra	Rock outcrop	r
Outagamie	Rd	Rondeau muck	w
Outagamie	ShA	Shiocton silt loam, 0 to 3 percent slopes	w
Outagamie	SkA	Shiocton silt loam, clayey substratum, 0 to 3 percent slopes	w
Outagamie	SnB	Shiocton-Nichols complex, 2 to 6 percent slopes	w
Outagamie	SoA	Solona silt loam, 1 to 3 percent slopes	w
Outagamie	Su	Suamico muck	w
Outagamie	SyA	Symco silt loam, 1 to 3 percent slopes	w
Outagamie	SzA	Symco variant, 0 to 3 percent slopes	w
Outagamie	Uf	Udifluvents	w
Outagamie	WaA	Wainola loamy fine sand, 0 to 3 percent slopes	w
Outagamie	Wb	Will silt loam	w
Outagamie	ZtA	Zittau silty clay loam, 0 to 3 percent slopes	w
Ozaukee	Ak	Adrian mucky peat	w
Ozaukee	Am	Alluvial land	w
Ozaukee	As	Ashkum silt loam	w
Ozaukee	AzA	Aztalan loam, 1 to 3 percent slopes	w
Ozaukee	BnA	Boyer sandy loam, 0 to 3 percent slopes	w
Ozaukee	BsA	Brookston silt loam, 0 to 3 percent slopes	w
Ozaukee	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Ozaukee	DaA	Darroch fine sandy loam, neutral variant, 0 to 3 percent slopes	w
Ozaukee	Ge	Granby loamy sand, loamy substratum	w
Ozaukee	GP	Gravel pit	+
Ozaukee	Hu	Houghton mucky peat	w
Ozaukee	Km	Keowns silt loam	w
Ozaukee	KyA	Knowles silt loam, mottled subsoil variant, 0 to 2 percent slopes	w
Ozaukee	LDF	Landfill	+
Ozaukee	MaA	Manawa silt loam, 0 to 3 percent slopes	w
Ozaukee	Mf	Marsh	w
Ozaukee	MgA	Martinton silt loam, 1 to 3 percent slopes	w
Ozaukee	MkA	Matherton loam, 0 to 2 percent slopes	w
Ozaukee	MmA	Matherton silt loam, 1 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Ozaukee	MtA	Mequon silt loam, 1 to 3 percent slopes	w
Ozaukee	Mzg	Muskego muck	w
Ozaukee	Mzk	Mussey loam	w
Ozaukee	Na	Navan silt loam	w
Ozaukee	NnA	Nenno silt loam, 1 to 3 percent slopes	w
Ozaukee	Od	Ogden mucky peat	w
Ozaukee	Pc	Palms mucky peat, 0 to 2 percent slopes	w
Ozaukee	Ph	Pella silt loam, 0 to 2 percent slopes	w
Ozaukee	Py	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Ozaukee	QUA	Quarry	+
Ozaukee	RaA	Radford silt loam, 0 to 3 percent slopes	w
Ozaukee	RkB	Ritchey silt loam, 0 to 6 percent slopes	r
Ozaukee	RkD2	Ritchey silt loam, 6 to 20 percent slopes, eroded	r
Ozaukee	Rw	Rollin mucky peat	w
Ozaukee	Sfb	Sandy lake beaches	w
Ozaukee	Sm	Sebewa silt loam	w
Ozaukee	UL	Urban land	+
Ozaukee	WmA	Wasepi sandy loam, 1 to 3 percent slopes	w
Ozaukee	Ww	Wet alluvial land	w
Ozaukee	YhA	Yahara very fine sandy loam, 1 to 3 percent slopes	w
Pepin	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Pepin	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Pepin	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Pepin	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Pepin	2013	Pits, gravel	+
Pepin	2014	Pits, quarry, hard bedrock	+
Pepin	2016	Pits, quarry, soft bedrock	+
Pepin	2040	Udipsamments, dredge material	+
Pepin	2050	Landfill	+
Pepin	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Pepin	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Pepin	40A	Markey and Seelyeville mucks, 0 to 1 percent slopes	w
Pepin	429A	Lows loam, 0 to 2 percent slopes, rarely flooded	w
Pepin	438A	Hoopeston sandy loam, 0 to 3 percent slopes	w
Pepin	508A	Farrington loamy sand, 0 to 3 percent slopes	w
Pepin	589A	Newson mucky loamy sand, 0 to 2 percent slopes	w
Pepin	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Pepin	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Pierce	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Pierce	1608A	Scotah-Orion-Riverwash complex, 0 to 2 percent slopes, frequently flooded	w
Pierce	1628A	Orion-Coland complex, 0 to 2 percent slopes, occasionally flooded	w
Pierce	162C	Northfield silt loam, meteorite crater, 6 to 12 percent slopes	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Pierce	162D	Northfield silt loam, meteorite crater, 12 to 20 percent slopes	r
Pierce	162F	Northfield silt loam, meteorite crater, 20 to 45 percent slopes	r
Pierce	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Pierce	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Pierce	2013	Pits, gravel	+
Pierce	2014	Pits, quarry, hard bedrock	+
Pierce	2016	Pits, quarry, soft bedrock	+
Pierce	2050	Landfill	+
Pierce	438A	Hoopeston sandy loam, 0 to 3 percent slopes	w
Pierce	477A	Shiffer loam, till plain, 0 to 3 percent slopes	w
Pierce	488A	Lawler silt loam, 0 to 3 percent slopes	w
Pierce	489A	Marshan silt loam, 0 to 2 percent slopes	w
Pierce	618A	Northbend silt loam, 0 to 3 percent slopes, frequently flooded	w
Pierce	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Pierce	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Pierce	668A	Orion silt loam, till plain, 0 to 3 percent slopes, occasionally flooded	w
Pierce	819A	Clyde silt loam, 0 to 3 percent slopes	w
Polk	160A	Poskin silt loam, ice margin complex, 0 to 3 percent slopes	w
Polk	193A	Minocqua muck, 0 to 2 percent slopes	w
Polk	2013	Pits, gravel	+
Polk	24A	Poskin silt loam, 0 to 3 percent slopes	w
Polk	26B	Dechamps-Fordum-Caryville complex, 0 to 6 percent slopes, commonly	fw
Polk	3125A	Meehan loamy sand, 0 to 2 percent slopes	w
Polk	3446A	Newson muck, 0 to 2 percent slopes	w
Polk	3625A	Lino loamy fine sand, 0 to 2 percent slopes	w
Polk	395A	Meehan-Perchlake complex, ice margin complex, 0 to 2 percent slopes	w
Polk	397A	Perchlake loamy fine sand, 0 to 2 percent slopes	w
Polk	3A	Totagatic-Bowstring-Ausable complex, 0 to 2 percent slopes, frequently	w
Polk	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Polk	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Polk	410A	Seelyeville and Cathro soils, 0 to 1 percent slopes	w
Polk	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Polk	465A	Newson-Meehan complex, 0 to 3 percent slopes	w
Polk	485C	Lupton and Tawas soils, seeped, 2 to 15 percent slopes	w
Polk	5555A	Fordum-Ausable complex, 0 to 2 percent slopes, frequently flooded	w
Polk	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Polk	620C	Lundeen-Haustrup-Rock outcrop complex, 2 to 12 percent slopes, very s	rw
Polk	64A	Totagatic-Winterfield complex, 0 to 2 percent slopes, frequently flooded	w
Polk	720F	Haustrup-Lundeen-Rock outcrop complex, 12 to 65 percent slopes, very	rw
Polk	825A	Meehan sand, 0 to 2 percent slopes	w
Polk	Ag	Alstad loam, 0 to 3 percent slopes	w
Polk	ArC	Amery-Rock outcrop complex, 2 to 12 percent slopes	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Polk	ArD	Amery-Rock outcrop complex, 12 to 45 percent slopes	r
Polk	Bf	Bluffton loam	w
Polk	Cc	Cathro muck	w
Polk	CsA	Cromwell variant sandy loam, 0 to 3 percent slopes	w
Polk	DvA	Dakota variant silt loam, 0 to 3 percent slopes	w
Polk	Fe	Fluvaquents, wet	w
Polk	LnA	Lino loamy fine sand, 0 to 3 percent slopes	w
Polk	Mk	Markey muck	w
Polk	Ns	Newson loamy fine sand	w
Polk	Pg	Pits, gravel	+
Polk	PxA	Poskin silt loam, 0 to 3 percent slopes	w
Polk	QUA	Quarry	+
Polk	Rf	Rifle muck	w
Polk	RvB	Rosholt variant silt loam, 2 to 6 percent slopes	r
Polk	Se	Saprists and Aquents	w
Polk	Sm	Seelyeville muck	w
Polk	Wv	Warman variant sandy loam	w
Portage	Ab	Alluvial land, wet	w
Portage	Af	Altdorf silt loam	w
Portage	Ca	Cathro muck	w
Portage	Da	Dancy sandy loam	w
Portage	DoA	Dolph silt loam, 1 to 3 percent slopes	w
Portage	GP	Gravel pit	+
Portage	KeA	Kert silt loam, 1 to 3 percent slopes	w
Portage	LDF	Landfill	+
Portage	LeA	Leola loamy sand, 0 to 3 percent slopes	w
Portage	Lu	Lupton muck	w
Portage	Ma	Markey muck	w
Portage	Mb	Markey muck, shallow	w
Portage	Mc	Marsh	w
Portage	MeA	Meadland loam, 1 to 3 percent slopes	w
Portage	MnA	Meehan loamy sand, 0 to 3 percent slopes	w
Portage	MoA	Meehan loamy sand, sandstone substratum, 0 to 3 percent slopes	w
Portage	MpA	Meehan loamy sand, red surface, 0 to 3 percent slopes	w
Portage	Mr	Meehan fine sandy loam, gravelly variant	w
Portage	Oe	Oesterle sandy loam	w
Portage	Ov	Oesterle loam, silty subsoil variant	w
Portage	PoA	Point sandy loam, 1 to 3 percent slopes	w
Portage	RhA	Rockers loamy sand, 1 to 3 percent slopes	w
Portage	Rk	Rock land	r
Portage	Rm	Roscommon muck	w
Portage	Rn	Roscommon-Meehan complex, 0 to 3 percent slopes	w

County	Map unit symbol	Map unit name	NR 243 manure application restriction
Portage	Ro	Roscommon sandy loam, loamy variant	w
Portage	Rp	Roscommon sandy loam, loamy variant, loamy substratum	w
Portage	Se	Seelyeville muck	w
Portage	Sei	Seelyeville muck, interdrumlin, 0 to 2 percent slopes	w
Portage	Sh	Sherry silt loam	w
Portage	Vs	Vesper silt loam	w
Price	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Price	193A	Minocqua muck, 0 to 2 percent slopes	w
Price	2015	Pits	+
Price	2030	Udorthents and udipsamments, cut or fill	+
Price	2050	Landfill	+
Price	3114A	Saprists, Aquepts, and Aquepts, 0 to 1 percent slopes, ponded, flooded	w
Price	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Price	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Price	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Price	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Price	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Price	414A	Loxley and Beseman soils, 0 to 1 percent slopes	w
Price	418A	Loxley and Dawson soils, 0 to 1 percent slopes	w
Price	445A	Kinross muck, 0 to 2 percent slopes	w
Price	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Price	520A	Annriver silt loam, 0 to 2 percent slopes	w
Price	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Price	600A	Haplosaprists and Psammaquepts, 0 to 2 percent slopes	w
Price	624A	Ossmer silt loam, 0 to 3 percent slopes	w
Price	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Price	701A	Whisklake silt loam, 0 to 3 percent slopes	w
Price	755A	Moppet, occasionally flooded-Fordum, frequently flooded complex, 0 to w	w
Price	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Price	830A	Spiderlake silt loam, 0 to 3 percent slopes, stony	w
Price	9050A	Fordum, Totagatic, and Bowstring soils, 0 to 1 percent slopes, frequently w	w
Price	9155A	Haplosaprists, Peats, and Mucks, 0 to 1 percent slopes	w
Racine	Ac	Adrian muck	w
Racine	Am	Alluvial land	w
Racine	AtA	Ashkum silty clay loam, 0 to 2 percent slopes	w
Racine	AuA	Aztalan sandy loam, 1 to 3 percent slopes	w
Racine	AzA	Aztalan loam, 0 to 2 percent slopes	w
Racine	AzB	Aztalan loam, 2 to 6 percent slopes	w
Racine	BP	Borrow pit	+
Racine	CP	Coal pile	+
Racine	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Racine	CyA	Conover silt loam, 1 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Racine	DaA	Darroch fine sandy loam, neutral variant, 0 to 3 percent slopes	w
Racine	Dh	Dorchester silt loam	w
Racine	Dt	Drummer silt loam, gravelly substratum	w
Racine	EtB	Elliott silty clay loam, 2 to 6 percent slopes	w
Racine	Gf	Granby fine sandy loam	w
Racine	Gm	Granby fine sandy loam, loamy substratum	w
Racine	GnA	Granby fine sandy loam, brown subsoil variant, 0 to 3 percent slopes	w
Racine	GP	Gravel pit	+
Racine	Ht	Houghton muck	w
Racine	KaA	Kane loam, 1 to 3 percent slopes	w
Racine	KhA	Kane silt loam, clayey substratum, 1 to 3 percent slopes	w
Racine	LDF	Landfill	+
Racine	Mf	Marsh	w
Racine	MgA	Martinton silt loam, 1 to 3 percent slopes	w
Racine	MkA	Matherton loam, 1 to 3 percent slopes	w
Racine	MIA	Matherton loam, clayey substratum, 1 to 3 percent slopes	w
Racine	Mzc	Montgomery silty clay	w
Racine	MzfA	Mundelein silt loam, 1 to 3 percent slopes	w
Racine	Mzg	Muskego muck	w
Racine	Mzk	Mussey loam	w
Racine	Na	Navan silt loam	w
Racine	Oc	Ogden muck	w
Racine	Pa	Palms muck, 0 to 2 percent slopes	w
Racine	Ph	Pella silt loam, 0 to 2 percent slopes	w
Racine	QUA	Quarry	+
Racine	RaA	Radford silt loam, 0 to 3 percent slopes	w
Racine	Rt	Rollin muck	w
Racine	Sfb	Sandy lake beaches	w
Racine	Sg	Sawmill silt loam, calcareous variant	w
Racine	Sm	Sebewa silt loam	w
Racine	Wa	Wallkill silt loam	w
Racine	WmA	Wasepi sandy loam, 1 to 3 percent slopes	w
Racine	WnA	Wasepi sandy loam, clayey substratum, 1 to 3 percent slopes	w
Racine	Ww	Wet alluvial land	w
Racine	WyA	Worthen silt loam, 0 to 3 percent slopes	w
Racine	YaA	Yahara fine sandy loam, 1 to 3 percent slopes	w
Richland	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Richland	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Richland	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Richland	2013	Pits, gravel	+
Richland	2014	Pits, quarry, hard bedrock	+
Richland	2030	Udorthents and Udipsamments, cut or fill	+

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Richland	2050	Landfill	+
Richland	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Richland	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Richland	508A	Farrington loamy sand, 0 to 3 percent slopes	w
Richland	568A	Majik loamy fine sand, 0 to 3 percent slopes	w
Richland	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Richland	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Rock	Ad	Adrian muck	w
Rock	Aw	Alluvial land, wet	w
Rock	AzA	Aztalan silt loam, 0 to 3 percent slopes	w
Rock	BmA	Billett sandy loam, mottled subsoil variant, 0 to 3 percent slopes	w
Rock	BP	Borrow pit	+
Rock	Br	Brookston silt loam	w
Rock	Co	Colwood silt loam, 0 to 2 percent slopes	w
Rock	Da	Darroch loam	w
Rock	EdB2	Edmund loam, 2 to 6 percent slopes, eroded	r
Rock	EdC2	Edmund loam, 6 to 12 percent slopes, eroded	r
Rock	EdD2	Edmund loam, 12 to 20 percent slopes, eroded	r
Rock	EdE	Edmund loam, 20 to 35 percent slopes	r
Rock	EIA	Elburn silt loam, 0 to 3 percent slopes	w
Rock	EmA	Elburn silt loam, gravelly substratum, 0 to 3 percent slopes	w
Rock	EoA	Elburn silt loam, overwash, 0 to 3 percent slopes	w
Rock	GP	Gravel pit	+
Rock	Ha	Hayfield loam	w
Rock	Ho	Houghton muck	w
Rock	JuA	Juneau silt loam, 0 to 3 percent slopes	w
Rock	LkA	Locke loam, 0 to 3 percent slopes	w
Rock	Ma	Mahalasville silt loam	w
Rock	Mb	Mahalasville silt loam, overwash	w
Rock	Mc	Marsh	w
Rock	Md	Marshan loam	w
Rock	Me	Maumee loamy sand	w
Rock	Mf	Millington silt loam	w
Rock	Na	Navan silt loam	w
Rock	Ot	Otter silt loam	w
Rock	Pa	Palms muck, 0 to 2 percent slopes	w
Rock	QUA	Quarry	+
Rock	Ro	Rock land	r
Rock	Rs	Rollin muck	w
Rock	Se	Sebewa silt loam	w
Rock	SoB	Sogn loam, 2 to 6 percent slopes	r
Rock	SoC2	Sogn loam, 6 to 12 percent slopes, eroded	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Rock	SoD	Sogn loam, 12 to 20 percent slopes	r
Rock	SoF	Sogn loam, 30 to 45 percent slopes	r
Rock	TrA	Troxel silt loam, 0 to 3 percent slopes	w
Rock	Wb	Watseka loamy fine sand	w
Rock	WcA	Wauconda silt loam, 0 to 3 percent slopes	w
Rock	WoA	Worthen silt loam, 0 to 3 percent slopes	w
Rusk	160A	Oesterle sandy loam, 0 to 2 percent slopes	w
Rusk	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Rusk	193A	Minocqua muck, 0 to 2 percent slopes	w
Rusk	2015	Pits	+
Rusk	2030	Udorthents and udipsamments, cut or fill	+
Rusk	2050	Landfill	+
Rusk	24A	Poskin silt loam, 0 to 3 percent slopes	w
Rusk	3114A	Saprists, Aquepts, and Aquepts, 0 to 1 percent slopes, ponded, flooded	w
Rusk	3125A	Meehan loamy sand, 0 to 2 percent slopes	w
Rusk	315A	Rib silt loam, 0 to 2 percent slopes	w
Rusk	324A	Maplehurst silt loam, 0 to 3 percent slopes	w
Rusk	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Rusk	3446A	Newson muck, 0 to 2 percent slopes	w
Rusk	406A	Loxley mucky peat, 0 to 1 percent slopes	w
Rusk	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Rusk	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Rusk	412A	Rifle and Tacoosh soils, 0 to 1 percent slopes	w
Rusk	414A	Loxley and Beseman soils, 0 to 1 percent slopes	w
Rusk	415A	Greenwood mucky peat, 0 to 1 percent slopes	w
Rusk	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Rusk	520A	Annriver silt loam, 0 to 2 percent slopes	w
Rusk	532B	Aquepts and Sapristis, 0 to 6 percent slopes, extremely bouldery	w
Rusk	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Rusk	600A	Haplosaprists and Psammaquepts, 0 to 2 percent slopes	w
Rusk	624A	Ossmer silt loam, 0 to 3 percent slopes	w
Rusk	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Rusk	755A	Moppet, occasionally flooded-Fordum, frequently flooded complex, 0 to	w
Rusk	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Rusk	848A	Ribriver silt loam, 0 to 3 percent slopes	w
Rusk	934A	Glenflora silt loam, 0 to 2 percent slopes	w
Sauk	Ad	Adrian muck	w
Sauk	Co	Colwood loam	w
Sauk	DAM	Dam, concrete	+
Sauk	EnB	Elkmound sandy loam, 2 to 6 percent slopes	r
Sauk	EnC	Elkmound sandy loam, 6 to 12 percent slopes	r
Sauk	EnD	Elkmound sandy loam, 12 to 20 percent slopes	r

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Sauk	Et	Ettrick silt loam	w
Sauk	Fw	Fluvaquents, wet	w
Sauk	Gr	Granby loamy sand	w
Sauk	Gv	Granby variant, loamy sand	w
Sauk	Ho	Houghton muck	w
Sauk	LDF	Landfill	+
Sauk	Mc	Marshan loam	w
Sauk	NrE	Norden and Eleva soils and rock outcrop, 12 to 60 percent slopes	r
Sauk	Os	Ossian silt loam	w
Sauk	Pa	Palms muck, 0 to 2 percent slopes	w
Sauk	Pd	Pits, gravel	+
Sauk	Pe	Pits, quarries	+
Sauk	RmA	Rimer loamy sand, 0 to 3 percent slopes	w
Sauk	Rt	Rock outcrop, quartzite	r
Sauk	Se	Saprists and Aquents	w
Sawyer	160A	Oesterle sandy loam, 0 to 2 percent slopes	w
Sawyer	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Sawyer	193A	Minocqua muck, 0 to 2 percent slopes	w
Sawyer	2015	Pits	+
Sawyer	2030	Udorthents and Udipsamments, cut or fill	+
Sawyer	2050	Landfill	+
Sawyer	24A	Poskin silt loam, 0 to 3 percent slopes	w
Sawyer	3114A	Saprists, Aquents, and Aquepts, 0 to 1 percent slopes, ponded, flooded	w
Sawyer	3125A	Meehan loamy sand, 0 to 2 percent slopes	w
Sawyer	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Sawyer	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Sawyer	3446A	Newson muck, 0 to 2 percent slopes	w
Sawyer	3A	Totagatic-Bowstring-Ausable complex, 0 to 2 percent slopes, frequently	w
Sawyer	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Sawyer	406A	Loxley mucky peat, 0 to 1 percent slopes	w
Sawyer	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Sawyer	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Sawyer	412A	Rifle and Tacoosh soils, 0 to 1 percent slopes	w
Sawyer	414A	Loxley and Beseman soils, 0 to 1 percent slopes	w
Sawyer	415A	Greenwood mucky peat, 0 to 1 percent slopes	w
Sawyer	443D	Amery, very stony-Greenwood complex, 0 to 35 percent slopes	w
Sawyer	445A	Kinross muck, 0 to 2 percent slopes	w
Sawyer	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Sawyer	520A	Annriver silt loam, 0 to 2 percent slopes	w
Sawyer	532B	Aquepts and Saprists, 0 to 6 percent slopes, extremely bouldery	w
Sawyer	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Sawyer	600A	Haplosaprists and Psammaquents, 0 to 2 percent slopes	w

County	Map unit symbol	Map unit name	NR 243 manure application restriction
Sawyer	624A	Ossmer silt loam, 0 to 3 percent slopes	w
Sawyer	675A	Robago fine sandy loam, 0 to 3 percent slopes	w
Sawyer	755A	Moppet, occasionally flooded-Fordum, frequently flooded complex, 0 to w	
Sawyer	815A	Wormet sandy loam, 0 to 3 percent slopes	w
Sawyer	830A	Spiderlake silt loam, 0 to 3 percent slopes, stony	w
Sawyer	9050A	Fordum, Totagatic, and Bowstring soils, 0 to 1 percent slopes, frequently w	
Sawyer	9155A	Haplosaprists, Peats, and Mucks, 0 to 1 percent slopes	w
Sawyer	925C	Rock outcrop-Ishpeming complex, 0 to 15 percent slopes	r
Sawyer	970C	Keweenaw, stony-Pence, stony-Greenwood complex, 0 to 15 percent slc w	
Sawyer	970E	Keweenaw, stony-Pence, stony-Greenwood complex, 0 to 45 percent slc w	
Shawano	Ah	Angelica silt loam	w
Shawano	AuA	Au Gres loamy sand, 0 to 3 percent slopes	w
Shawano	AxA	Au Gres variant loamy fine sand, 0 to 3 percent slopes	w
Shawano	Ba	Bach silt loam	w
Shawano	Bs	Brevort mucky loamy sand	w
Shawano	Co	Cormant mucky loamy fine sand	w
Shawano	Fu	Fordum loam	w
Shawano	IsA	Iosco loamy sand, 0 to 3 percent slopes	w
Shawano	Lx	Loxley mucky peat	w
Shawano	McA	Manawa silt loam, 0 to 3 percent slopes	w
Shawano	Mk	Markey and Cathro mucks	w
Shawano	Mu	Minocqua silt loam	w
Shawano	ObA	Oesterle loam, 0 to 3 percent slopes	w
Shawano	RmD	Rock outcrop-Rosholt variant complex, 2 to 35 percent slopes	r
Shawano	RrD	Rosholt-Rock outcrop complex, 2 to 35 percent slopes	r
Shawano	Sb	Saprists, ponded	w
Shawano	Sd	Seelyeville muck	w
Shawano	Sdi	Seelyeville muck, interdrumlin, 0 to 2 percent slopes	w
Shawano	ShA	Shiocton silt loam, 0 to 3 percent slopes	w
Shawano	SkA	Shiocton variant silt loam, 0 to 3 percent slopes	w
Shawano	SoA	Solona loam, 0 to 3 percent slopes	w
Shawano	WaA	Wainola fine sand, 0 to 3 percent slopes	w
Shawano	Wh	Wheatley loamy fine sand	w
Sheboygan	Ag	Adrian muck	w
Sheboygan	Ak	Adrian-Granby-Oakville complex	w
Sheboygan	Am	Alluvial land	w
Sheboygan	An	Alluvial land, wet	w
Sheboygan	Ba	Barry silt loam	w
Sheboygan	Be	Bellevue silt loam	w
Sheboygan	Bf	Bellevue fine sandy loam, sandy subsoil variant	w
Sheboygan	Bk	Boots muck	w
Sheboygan	Cw	Colwood silt loam, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Sheboygan	Ed	Edwards muck	w
Sheboygan	Ev	Elvers silt loam	w
Sheboygan	Gb	Granby loamy fine sand	w
Sheboygan	Gg	Granby silt loam, gravelly variant	w
Sheboygan	Gp	Gravel pit	+
Sheboygan	Hu	Houghton muck	w
Sheboygan	JuA	Juneau silt loam, 0 to 3 percent slopes	w
Sheboygan	KIA	Kendall silt loam, 0 to 3 percent slopes	w
Sheboygan	KuA	Kibbie silt loam, 0 to 3 percent slopes	w
Sheboygan	LDF	Landfill	+
Sheboygan	Lo	Loamy land, seeped	w
Sheboygan	Ma	Made land	+
Sheboygan	MbA	Manawa silt loam, 0 to 3 percent slopes	w
Sheboygan	Mf	Marsh	w
Sheboygan	MgA	Martinton silt loam, 0 to 3 percent slopes	w
Sheboygan	MkA	Matherton silt loam, 0 to 3 percent slopes	w
Sheboygan	Mo	Montgomery silty clay loam	w
Sheboygan	Mz	Muskego muck	w
Sheboygan	Na	Navan loam	w
Sheboygan	NnA	Neeno silt loam, 0 to 2 percent slopes	w
Sheboygan	NnB	Neeno silt loam, 2 to 6 percent slopes	w
Sheboygan	Ot	Otter silt loam	w
Sheboygan	Pa	Palms muck, 0 to 2 percent slopes	w
Sheboygan	Ph	Pella silt loam, 0 to 2 percent slopes	w
Sheboygan	Py	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Sheboygan	Sm	Sebewa silt loam	w
Sheboygan	Wa	Wasepi sandy loam	w
Sheboygan	We	Willette muck, 0 to 2 percent slopes	w
Sheboygan	YhA	Yahara very fine sandy loam, 0 to 3 percent slopes	w
St. Croix	CyA	Clyde silt loam, 0 to 3 percent slopes	w
St. Croix	DeB	Derinda silt loam, 2 to 6 percent slopes	w
St. Croix	DeC2	Derinda silt loam, 6 to 12 percent slopes, eroded	w
St. Croix	Du	Duelm loamy sand	w
St. Croix	FdA	Floyd silt loam, 0 to 3 percent slopes	w
St. Croix	Fm	Fluvaquents, wet	w
St. Croix	Gp	Gravel pits	+
St. Croix	HaA	Halder silt loam, 0 to 3 percent slopes	w
St. Croix	HuA	Huntsville silt loam, 0 to 3 percent slopes	w
St. Croix	LcA	Lawler silt loam, 0 to 3 percent slopes	w
St. Croix	OrA	Orion silt loam, 0 to 3 percent slopes	w
St. Croix	QUA	Quarry	+
St. Croix	RhA	Rib silt loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
St. Croix	RnB	Ritchey silt loam, 2 to 6 percent slopes	r
St. Croix	RnC2	Ritchey silt loam, 6 to 12 percent slopes, eroded	r
St. Croix	RnD2	Ritchey silt loam, 12 to 20 percent slopes, eroded	r
St. Croix	RoE	Ritchey soils and rock outcrop, 20 to 35 percent slopes	r
St. Croix	Se	Sapristis and aquents	w
St. Croix	Sm	Seelyville muck	w
St. Croix	SrA	Skyberg silt loam, 0 to 3 percent slopes	w
Taylor	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Taylor	193A	Minocqua muck, 0 to 2 percent slopes	w
Taylor	2015	Pits	+
Taylor	24A	Poskin silt loam, 0 to 3 percent slopes	w
Taylor	315A	Rib silt loam, 0 to 2 percent slopes	w
Taylor	324A	Maplehurst silt loam, 0 to 3 percent slopes	w
Taylor	408A	Lupton and Cathro soils, 0 to 1 percent slopes	w
Taylor	414A	Loxley and Beseman soils, 0 to 1 percent slopes	w
Taylor	555A	Fordum silt loam, 0 to 2 percent slopes	w
Taylor	624A	Ossmer silt loam, 0 to 3 percent slopes	w
Taylor	748A	Brander silt loam, 0 to 3 percent slopes	w
Taylor	755A	Moppet-Fordum complex, 0 to 3 percent slopes	w
Taylor	848A	Ribriver silt loam, 0 to 3 percent slopes	w
Taylor	9055A	Loxley peat, 0 to 1 percent slopes	w
Taylor	9098A	Oesterle loam, 0 to 3 percent slopes	w
Trempealeau	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Trempealeau	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Trempealeau	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Trempealeau	2013	Pits, gravel	+
Trempealeau	2014	Pits, quarry, hard bedrock	+
Trempealeau	2016	Pits, quarry, soft bedrock	+
Trempealeau	2022	Pits, siliceous sand	+
Trempealeau	2030	Udorthents and Udipsamments, cut or fill	+
Trempealeau	207A	Hoop loam, reddish subsoil, 0 to 3 percent slopes	w
Trempealeau	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Trempealeau	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Trempealeau	30A	Adder muck, 0 to 1 percent slopes, frequently flooded	w
Trempealeau	328A	Rowley silt loam, 0 to 3 percent slopes	w
Trempealeau	367A	Denrock silt loam, 0 to 2 percent slopes	w
Trempealeau	379A	Zwingle silt loam, 0 to 2 percent slopes	w
Trempealeau	400A	Kato loam, 0 to 2 percent slopes, frequently flooded	w
Trempealeau	40A	Markey and Seelyville mucks, 0 to 1 percent slopes	w
Trempealeau	428A	Shiffer loam, 0 to 3 percent slopes, rarely flooded	w
Trempealeau	429A	Lows loam, 0 to 2 percent slopes, rarely flooded	w
Trempealeau	448A	Sooner silt loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Trempealeau	508A	Farrington loamy sand, 0 to 3 percent slopes	w
Trempealeau	568A	Majik loamy fine sand, 0 to 3 percent slopes	w
Trempealeau	569A	Newlang muck, 0 to 2 percent slopes, occasionally flooded	w
Trempealeau	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Trempealeau	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Trempealeau	649A	Wallkill silt loam, 0 to 2 percent slopes, frequently flooded	w
Trempealeau	658A	Northbend silt loam, 0 to 3 percent slopes, occasionally flooded	w
Trempealeau	679A	Ettrick silt loam, 0 to 2 percent slopes, shallow, frequently flooded	w
Trempealeau	9A	Houghton and Palms mucks, 0 to 1 percent slopes, frequently flooded	w
Vernon	1130F	Lacrescent-Dunbarton complex, very stony, 30 to 60 percent slopes	r
Vernon	1155F	Brodale-Bellechester-Rock outcrop complex, 60 to 90 percent slopes	r
Vernon	140B	Reedsburg silt loam, 1 to 6 percent slopes, deep	w
Vernon	1648A	Northbend-Ettrick silt loams, 0 to 3 percent slopes, frequently flooded	w
Vernon	164D	Elizabeth flaggy silt loam, 12 to 20 percent slopes	r
Vernon	164E	Elizabeth flaggy silt loam, 20 to 30 percent slopes	r
Vernon	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Vernon	2013	Pits, gravel	+
Vernon	2014	Pits, quarry, hard bedrock	+
Vernon	2016	Pits, quarry, soft bedrock	+
Vernon	2030	Udorthents and Udipsamments, cut or fill	+
Vernon	2050	Landfill	+
Vernon	20A	Palms and Houghton mucks, 0 to 1 percent slopes	w
Vernon	21A	Palms muck, 0 to 1 percent slopes, frequently flooded	w
Vernon	508A	Farrington loamy sand, 0 to 3 percent slopes	w
Vernon	628A	Orion silt loam, 0 to 3 percent slopes, occasionally flooded	w
Vernon	629A	Ettrick silt loam, 0 to 2 percent slopes, frequently flooded	w
Vernon	739A	Root loam, 0 to 2 percent slopes, frequently flooded	w
Vernon	CP	Coal piles	+
Vilas	Au	Au Gres sand, 0 to 2 percent slopes	w
Vilas	CaA	Cable silt loam, 0 to 3 percent slopes	w
Vilas	Fh	Fluvaquents, sandy, nearly level	w
Vilas	Ga	Gaastra silt loam, 0 to 2 percent slopes	w
Vilas	Hp	Histosols, ponded	w
Vilas	Kr	Kinross mucky sand, 0 to 2 percent slopes	w
Vilas	Lo	Loxley and Dawson peats, 0 to 1 percent slopes	w
Vilas	MoA	Monico silt loam, 0 to 3 percent slopes	w
Vilas	Pt	Pits, gravel	+
Vilas	Se	Seelyville and Markey mucks, 0 to 1 percent slopes	w
Vilas	Wv	Worcester variant sandy loam, 0 to 2 percent slopes	w
Walworth	Ac	Adrian muck	w
Walworth	Am	Alluvial land	w
Walworth	AzA	Aztalan loam, 1 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Walworth	BP	Borrow pit	+
Walworth	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Walworth	CyA	Conover silt loam, 1 to 3 percent slopes	w
Walworth	Dt	Drummer silt loam, gravelly substratum	w
Walworth	EbA	Elburn silt loam, 1 to 3 percent slopes	w
Walworth	EgA	Elburn silt loam, gravelly substratum, 1 to 3 percent slopes	w
Walworth	GP	Gravel pit	+
Walworth	Ht	Houghton muck	w
Walworth	JuA	Juneau silt loam, 1 to 3 percent slopes	w
Walworth	KIA	Kendall silt loam, 1 to 3 percent slopes	w
Walworth	KyA	Knowles silt loam, mottled subsoil variant, 0 to 2 percent slopes	w
Walworth	LDF	Landfill	+
Walworth	MDL	Made land	+
Walworth	Mf	Marsh	w
Walworth	MgA	Martinton silt loam, 1 to 3 percent slopes	w
Walworth	MmA	Matherton silt loam, 1 to 3 percent slopes	w
Walworth	MzfA	Mundelein silt loam, 1 to 3 percent slopes	w
Walworth	Na	Navan silt loam	w
Walworth	Pa	Palms muck, 0 to 2 percent slopes	w
Walworth	Ph	Pella silt loam, 0 to 2 percent slopes	w
Walworth	QUA	Quarry	+
Walworth	RaA	Radford silt loam, 0 to 3 percent slopes	w
Walworth	Ru	Rollin muck, deep	w
Walworth	Rv	Rollin muck, shallow	w
Walworth	Sfb	Sandy lake beaches	w
Walworth	Sm	Sebewa silt loam	w
Walworth	TxA	Troxel silt loam, 0 to 3 percent slopes	w
Walworth	Wa	Walkill silt loam	w
Walworth	Ww	Wet alluvial land	w
Washburn	160A	Oesterle sandy loam, 0 to 2 percent slopes	w
Washburn	192A	Worcester sandy loam, 0 to 3 percent slopes	w
Washburn	193A	Minocqua muck, 0 to 2 percent slopes	w
Washburn	2015	Pits	+
Washburn	2050	Landfill	+
Washburn	24A	Poskin silt loam, 0 to 3 percent slopes	w
Washburn	3125A	Meehan loamy sand, 0 to 2 percent slopes	w
Washburn	315A	Rib silt loam, 0 to 2 percent slopes	w
Washburn	3276A	Au Gres loamy sand, 0 to 3 percent slopes	w
Washburn	3403A	Loxley, Beseman, and Dawson soils, 0 to 1 percent slopes	w
Washburn	3424C	Frogcreek-Magroc-Stinnett complex, 0 to 15 percent slopes, very stony, r	
Washburn	3446A	Newson muck, 0 to 2 percent slopes	w
Washburn	397A	Perchlake loamy fine sand, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Washburn	3A	Totagatic-bowstring-ausable complex, 0 to 2 percent slopes, frequently f	w
Washburn	405A	Lupton, Cathro, and Tawas soils, 0 to 1 percent slopes	w
Washburn	406A	Loxley mucky peat, 0 to 1 percent slopes	w
Washburn	407A	Seelyeville and Markey soils, 0 to 1 percent slopes	w
Washburn	410A	Seelyeville and Cathro soils, 0 to 1 percent slopes	w
Washburn	412A	Rifle and Tacoosh soils, 0 to 1 percent slopes	w
Washburn	415A	Greenwood mucky peat, 0 to 1 percent slopes	w
Washburn	443D	Amery, very stony-Greenwood complex, 0 to 35 percent slopes	w
Washburn	461A	Bowstring muck, 0 to 1 percent slopes, frequently flooded	w
Washburn	484A	Greenwood and Beseman soils, 0 to 1 percent slopes	w
Washburn	524E	Rock outcrop-Frogcreek-Metonga complex, 2 to 45 percent slopes, very r	r
Washburn	555A	Fordum silt loam, 0 to 2 percent slopes, frequently flooded	w
Washburn	600A	Haplosaprists and Psammaquents, 0 to 2 percent slopes	w
Washburn	624A	Ossmer silt loam, 0 to 3 percent slopes	w
Washburn	64A	Totagatic-Winterfield complex, 0 to 2 percent slopes, frequently flooded	w
Washburn	706A	Winterfield-Totagatic complex, 0 to 2 percent slopes, frequently flooded	w
Washburn	724A	Rib-Rock outcrop complex, 0 to 2 percent slopes	wr
Washburn	970C	Keweenaw, stony-Pence, stony-Greenwood complex, 0 to 15 percent slc	w
Washburn	970E	Keweenaw, stony-Pence, stony-Greenwood complex, 0 to 45 percent slc	w
Washington	Ak	Adrian mucky peat	w
Washington	Am	Alluvial land	w
Washington	AtA	Ashkum silty clay loam, 0 to 2 percent slopes	w
Washington	AzA	Aztalan loam, 0 to 2 percent slopes	w
Washington	AzB	Aztalan loam, 2 to 6 percent slopes	w
Washington	BsA	Brookston silt loam, 0 to 3 percent slopes	w
Washington	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Washington	DaA	Darroch fine sandy loam, neutral variant, 0 to 3 percent slopes	w
Washington	Dt	Drummer silt loam, gravelly substratum	w
Washington	GfA	Granby fine sandy loam, 0 to 3 percent slopes	w
Washington	GP	Gravel pit	+
Washington	GrA	Grays silt loam, 0 to 2 percent slopes	w
Washington	Hu	Houghton mucky peat	w
Washington	Hv	Houghton peat, acid variant	w
Washington	JuA	Juneau silt loam, 1 to 3 percent slopes	w
Washington	KIA	Kendall silt loam, 1 to 3 percent slopes	w
Washington	Km	Keowns silt loam	w
Washington	LDF	Landfill	+
Washington	Mf	Marsh	w
Washington	MgA	Martinton silt loam, 1 to 3 percent slopes	w
Washington	MmA	Matherton silt loam, 1 to 3 percent slopes	w
Washington	MtA	Mequon silt loam, 1 to 3 percent slopes	w
Washington	Mzb	Montgomery silty clay loam	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Washington	MzfA	Mundelein silt loam, 1 to 3 percent slopes	w
Washington	MzkA	Mussey loam, 0 to 3 percent slopes	w
Washington	NnA	Nenno silt loam, 1 to 3 percent slopes	w
Washington	Ot	Otter silt loam	w
Washington	Pc	Palms mucky peat, 0 to 2 percent slopes	w
Washington	Ph	Pella silt loam, 0 to 2 percent slopes	w
Washington	QUA	Quarry	+
Washington	RaA	Radford silt loam, 0 to 3 percent slopes	w
Washington	RkB	Ritchey silt loam, 2 to 6 percent slopes	r
Washington	RkC2	Ritchey silt loam, 6 to 12 percent slopes, eroded	r
Washington	Sm	Sebewa silt loam	w
Washington	VsA	Virgil silt loam, gravelly substratum, 0 to 3 percent slopes	w
Washington	Wa	Wallkill silt loam	w
Washington	WmA	Wasepi sandy loam, 1 to 3 percent slopes	w
Washington	Ww	Wet alluvial land	w
Washington	YrA	Yahara silt loam, 1 to 3 percent slopes	w
Waukesha	Ac	Adrian muck	w
Waukesha	Am	Alluvial land	w
Waukesha	AsA	Ashkum silty clay loam, 0 to 2 percent slopes	w
Waukesha	BP	Borrow pit	+
Waukesha	BsA	Brookston silt loam, 0 to 3 percent slopes	w
Waukesha	CP	Coal pit	+
Waukesha	Cw	Colwood silt loam, 0 to 2 percent slopes	w
Waukesha	Dt	Drummer silt loam, gravelly substratum	w
Waukesha	FaA	Fabius loam, 1 to 3 percent slopes	w
Waukesha	Gd	Gilford loam	w
Waukesha	Gf	Granby fine sandy loam	w
Waukesha	GP	Gravel pit	+
Waukesha	HtA	Houghton muck, 0 to 2 percent slopes	w
Waukesha	HtB	Houghton muck, 2 to 6 percent slopes	w
Waukesha	LDF	Landfill	+
Waukesha	MaA	Manawa silt loam, 0 to 3 percent slopes	w
Waukesha	Mf	Marsh	w
Waukesha	MhA	Matherton sandy loam, 1 to 3 percent slopes	w
Waukesha	MmA	Matherton silt loam, 1 to 3 percent slopes	w
Waukesha	Mzb	Montgomery silty clay loam	w
Waukesha	Mzg	Muskego muck	w
Waukesha	Mzk	Mussey loam	w
Waukesha	Na	Navan silt loam	w
Waukesha	Oc	Ogden muck	w
Waukesha	Pa	Palms muck, 0 to 2 percent slopes	w
Waukesha	Ph	Pella silt loam, 0 to 2 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Waukesha	Pm	Pella silt loam, moderately shallow variant	w
Waukesha	QUA	Quarry	+
Waukesha	RkB	Ritchey silt loam, 1 to 6 percent slopes	r
Waukesha	RkC2	Ritchey silt loam, 6 to 12 percent slopes, eroded	r
Waukesha	RkE	Ritchey silt loam, 12 to 30 percent slopes	r
Waukesha	Ru	Rollin muck, deep	w
Waukesha	Rv	Rollin muck, shallow	w
Waukesha	SfB	Sandy lake beaches	w
Waukesha	Sg	Sawmill silt loam, calcareous variant	w
Waukesha	Sm	Sebewa silt loam	w
Waukesha	UA	Unmapped area	+
Waukesha	Wa	Wallkill silt loam	w
Waukesha	Ww	Wet alluvial land	w
Waupaca	Ax	Angelica silt loam	w
Waupaca	BoB	Borth sandy loam, 1 to 4 percent slopes	w
Waupaca	BrB	Borth silty clay loam, 1 to 4 percent slopes	w
Waupaca	Cm	Cathro and Markey mucks	w
Waupaca	Fa	Fordum loam	w
Waupaca	LDF	Landfill	+
Waupaca	Lx	Loxley mucky peat	w
Waupaca	Mh	Meehan loamy sand	w
Waupaca	MIA	Meehan loamy sand, loamy substratum, 0 to 3 percent slopes	w
Waupaca	Mp	Menasha silty clay	w
Waupaca	Ms	Minocqua mucky fine sandy loam	w
Waupaca	OeA	Oesterle sandy loam, 0 to 3 percent slopes	w
Waupaca	QUA	Quarry	+
Waupaca	Rm	Roscommon loamy sand	w
Waupaca	RrB	Rosholt-Rock outcrop complex, 2 to 10 percent slopes	r
Waupaca	Sb	Seelyeville muck	w
Waupaca	Sbi	Seelyeville muck, interdrumlin, 0 to 2 percent slopes	w
Waupaca	SyA	Symco loam, 0 to 3 percent slopes	w
Waupaca	Wa	Wainola loamy fine sand	w
Waushara	Ad	Adrian muck, 0 to 1 percent slopes	w
Waushara	Be	Belleville loamy sand, 0 to 2 percent slopes	w
Waushara	FkA	Fisk loamy sand, 0 to 3 percent slopes	w
Waushara	Hu	Houghton muck, 0 to 1 percent slopes	w
Waushara	Hw	Houghton muck, ponded, 0 to 1 percent slopes	w
Waushara	Ke	Keowns silt loam, 0 to 2 percent slopes	w
Waushara	Ks	Kingsville loamy sand, 0 to 2 percent slopes	w
Waushara	LDF	Landfill	+
Waushara	Le	Leola loamy sand, 0 to 2 percent slopes	w
Waushara	MbA	Manawa silt loam, 0 to 3 percent slopes	w

**NR 243
manure
application
restriction**

County	Map unit symbol	Map unit name	
Waushara	MoA	Meehan loamy sand, 0 to 3 percent slopes	w
Waushara	MrA	Morocco fine sand, 0 to 3 percent slopes	w
Waushara	Pa	Palms muck, 0 to 2 percent slopes	w
Waushara	Pe	Pits, gravel	+
Waushara	Py	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Waushara	SwA	Symco loamy fine sand, 0 to 3 percent slopes	w
Waushara	SyA	Symco silt loam, 0 to 3 percent slopes	w
Waushara	Wm	Willette muck, 0 to 2 percent slopes	w
Waushara	YaA	Yahara very fine sandy loam, 0 to 3 percent slopes	w
Waushara	ZtA	Zittau clay, 0 to 3 percent slopes	w
Waushara	ZvA	Zittau variant clay, 0 to 3 percent slopes	w
Winnebago	Ak	Adrian muck	w
Winnebago	AtA	Atterberry silt loam, 0 to 3 percent slopes	w
Winnebago	BrB	Brems fine sand, 1 to 4 percent slopes	w
Winnebago	Ed	Edwards muck	w
Winnebago	EID2	Eleva loam, 8 to 20 percent slopes, eroded	r
Winnebago	FkA	Fisk loamy fine sand, 0 to 3 percent slopes	w
Winnebago	Fn	Fluvaquents	w
Winnebago	Hu	Houghton muck	w
Winnebago	Hw	Houghton muck, ponded	w
Winnebago	KaB	Kaukauna silty clay loam, 1 to 4 percent slopes	w
Winnebago	Ke	Keowns silt loam	w
Winnebago	Ks	Kingsville mucky loamy fine sand	w
Winnebago	LDF	Landfill	+
Winnebago	Mn	Menasha clay	w
Winnebago	MoA	Morocco loamy fine sand, 0 to 3 percent slopes	w
Winnebago	NnA	Nenno loam, 0 to 3 percent slopes	w
Winnebago	Os	Ossian silt loam	w
Winnebago	Pa	Palms muck, 0 to 2 percent slopes	w
Winnebago	Ph	Pits, quarries	r
Winnebago	Pu	Poygan silty clay loam, 0 to 2 percent slopes, drained	w
Winnebago	RhB	Ritchey silt loam, 2 to 6 percent slopes	r
Winnebago	RhC2	Ritchey silt loam, 6 to 12 percent slopes, eroded	r
Winnebago	RhD2	Ritchey silt loam, 12 to 30 percent slopes, eroded	r
Winnebago	W	Water greater than 40 acres	+
Winnebago	Wm	Willette muck, 0 to 2 percent slopes	w
Winnebago	YaA	Yahara silt loam, 0 to 3 percent slopes	w
Winnebago	ZtA	Zittau silty clay loam, 0 to 3 percent slopes	w
Wood	1009A	Meehan-Newson complex, lake terrace, 0 to 3 percent slopes	w
Wood	11A	Markey muck, 0 to 1 percent slopes, frequently flooded	w
Wood	1218A	Ironrun-Ponycreek complex, 0 to 3 percent slopes	w
Wood	1519A	Ponycreek-Dawsil complex, 0 to 2 percent slopes	w

County	Map unit symbol	Map unit name	NR 243 manure application restriction
Wood	1548A	Majik-Ponycreek complex, lake terrace, 0 to 3 percent slopes	w
Wood	1599A	Ponycreek-Dawsil complex, lake terrace, 0 to 2 percent slopes	w
Wood	15A	Loxley peat, 0 to 1 percent slopes	w
Wood	1658A	Alganssee-Kalmarville complex, 0 to 3 percent slopes, frequently flooded	w
Wood	17A	Dawsil mucky peat, lake terrace, 0 to 1 percent slopes	w
Wood	2022	Pits, siliceous sand	+
Wood	25A	Dawsil mucky peat, 0 to 1 percent slopes	w
Wood	37A	Loxley peat, lake terrace, 0 to 1 percent slopes	w
Wood	40A	Markey and Seelyeville mucks, 0 to 1 percent slopes	w
Wood	4A	Newson-Dawson complex, lake terrace, 0 to 2 percent slopes	w
Wood	519A	Ponycreek muck, 0 to 2 percent slopes	w
Wood	588A	Meehan loamy sand, valley train, 0 to 3 percent slopes	w
Wood	589A	Newson mucky loamy sand, 0 to 2 percent slopes	w
Wood	Ab	Alluvial land, wet	w
Wood	Af	Altdorf silt loam	w
Wood	Ca	Cathro mucky peat	w
Wood	Da	Dancy sandy loam	w
Wood	Do	Dolph silt loam	w
Wood	EkB	Elkmound sandy loam, 2 to 6 percent slopes	r
Wood	EkC	Elkmound sandy loam, 6 to 12 percent slopes	r
Wood	EkD2	Elkmound sandy loam, 12 to 20 percent slopes, eroded	r
Wood	Em	Elm Lake loamy sand	w
Wood	GP	Gravel pit	+
Wood	LDF	Landfill	+
Wood	Ma	Mann silt loam	w
Wood	Mc	Markey mucky peat	w
Wood	MpA	Merrillan sandy loam, 1 to 3 percent slopes	w
Wood	Mr	Milladore silt loam	w
Wood	NoB	Norgo silt loam, 2 to 6 percent slopes	r
Wood	NoC2	Norgo silt loam, 6 to 12 percent slopes, eroded	r
Wood	NoD2	Norgo silt loam, 12 to 20 percent slopes, eroded	r
Wood	PoB	Point loamy sand, 2 to 6 percent slopes	w
Wood	Ps	Poskin silt loam	w
Wood	Rb	Rib silt loam	w
Wood	ReB	Rietbrock silt loam, 2 to 6 percent slopes	w
Wood	ReC	Rietbrock silt loam, 6 to 12 percent slopes	w
Wood	Rf	Rifle mucky peat	w
Wood	Rg	Rifle peat	w
Wood	Sh	Sherry silt loam	w
Wood	Ss	Sherry stony silt loam	w
Wood	Ve	Veendum silt loam	w
Wood	Vs	Vesper silt loam	w