

## County Index of Prospective Michigan Cattle Farms

County	Upper Peninsula 500+ Head Farms	Total Farms
Alger	0	34
Baraga	1	24
Chippewa	0	151
Delta	0	120
Dickinson	0	52
Gogebic	0	12
Houghton	0	50
Iron	0	42
Keweenaw	0	5
Luce	0	11
Mackinac	3	29
Marquette	1	48
Menominee	5	171
Ontonagon	0	43
Schoolcraft	0	22
<b>Total Upper Peninsula</b>	<b>10 (1990.12 kW)</b>	<b>814</b>

County	DTE Energy Service Area 500+ Head Farms	Total Farms
Lapeer	2	374
Livingston	2	177
Macomb	1	58
Monroe	0	154
Oakland	0	68
Sanilac	16	588
St. Clair	1	328
Tuscola	4	329
Washtenaw	2	243
Wayne	0	24
<b>Total DTE</b>	<b>28 (5572.34 kW)</b>	<b>2343</b>

County	Consumers Energy Service Area 500+ Head Farms	Total Farms
Alcona	0	114
Alpena	1	218
Allegan	21	440
Antrim	1	82
Arenac	1	80
Barry	10	313
Bay	2	94
Benzie	0	40

continued

Berrien	1	138
Branch	2	322
Calhoun	5	316
Cass	1	191
Charlevoix	0	92
Cheboygan	2	99
Clare	3	164
Clinton	21	334
Crawford	0	6
Eaton	1	342
Emmet	1	111
Genesee	2	207
Gladwin	0	207
Grand Traverse	1	95
Gratiot	12	225
Hillsdale	10	380
Ingham	3	258
Ionia	13	404
Iosca	2	130
Isabella	7	339
Jackson	5	309
Kalamazoo	6	137
Kalkaska	0	50
Kent	12	323
Lake	0	71
Leelanau	1	52
Lenawee	14	233
Manistee	0	86
Mason	1	138
Mecosta	3	346
Midland	2	122
Missaukee	9	179
Montmorency	0	73
Montcalm	5	366
Muskegon	2	154
Newaygo	9	366
Oceana	3	163
Ogemaw	4	136
Osceola	3	287
Oscoda	0	66
Otsego	0	42
Ottawa	13	385
Presque Isle	2	123
Roscommon	0	11
Saginaw	0	204
Shiawasee	4	240
St. Joseph	1	238
VanBuren	1	207
Wexford	1	83
<b>Total Consumers</b>	<b>224 (44578.69 kW)</b>	<b>10931</b>

**Service Area Index of  
Prospective Michigan Cattle Farms**

<b>Service Area</b>	<b>500+ Head Farms</b>	<b>Total Farms</b>
Upper Peninsula	10 (1990.12 kW)	814
DTE Energy Service Area	28 (5572.34 kW)	2343
Consumers Energy Service Area	224 (44578.69 kW)	10931
Total Michigan	262 (52141.14 kW)	14088

Source: 2002 USDA Census of Agriculture, National Agricultural Statistics Service

**KW Calculation**

KW calculations found using formula published in Modeling Anaerobic Digestion Potential on Michigan's Farms.

- 1) The average 500+ head farm has 1090 cattle
- 2) If 1090 is placed in the kW formula for X we arrive at figure of 199.12 kW per head
- 3) Multiply 199.12 kW by number of farms in territory