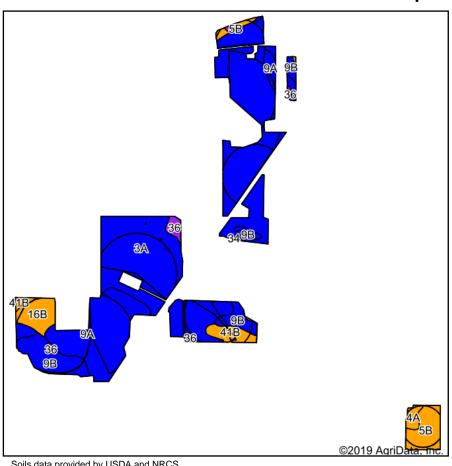
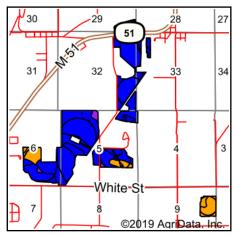
## **Soils Map**





Michigan State: County: Cass Location: 5-7S-16W Township: **Howard** Acres: 590.7 3/4/2020 Date:







Soils data provided by USDA and NRCS.

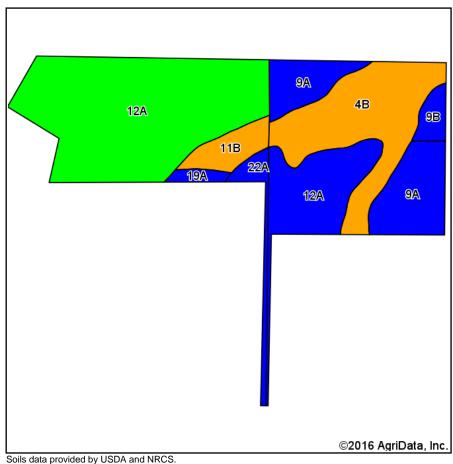
50115	data provided t	DY USDA	and NRCS															
	ved Soils Endin Symbol: MI027			10														
Cod e	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Water Table	Non- Irr Class *c	Irr Class *c	Alfalfa hay	Alfalfa hay Irrigated	Corn	Corn Irrigated	Corn silage	Corn silage Irrigated	Oats	Soybeans	Soybeans Irrigated	Winter wheat	NCCPI Overall
3A	Schoolcraft loam, 0 to 2 percent slopes	331.38	56.1%		> 6.5ft.	lls	lls	4.8	9	135	180	19	28	95	35	55	60	64
9A	Kalamazoo loam, 0 to 2 percent slopes	113.95	19.3%		> 6.5ft.	lls	lls	4		110	175	18	27	80	30	55	40	57
9B	Kalamazoo loam, 2 to 6 percent slopes	56.90	9.6%		> 6.5ft.	lle	lle	4		100	175	17	27	80	30	55	40	56
5B	Spinks loamy sand, 0 to 6 percent slopes	30.96	5.2%		> 6.5ft.	IIIs	IIIs											49
16B	Ormas loamy sand, 0 to 6 percent slopes	24.04	4.1%		> 6.5ft.	IIIe		3.5		80		17			28		36	50
41B	Spinks- Oshtemo complex, 2 to 6 percent slopes	15.56	2.6%		> 6.5ft.	IIIs	IIIs			75	165	13	24	60	27	50	30	50
36	Gilford sandy loam	10.73	1.8%		Oft.	Vw												27



				Weig	hted Av	/erage	4	5.1	113. 1	157.9	17	24.4	78.9	30.5	48.7	48	59.4
34	Pits	0.28	0.0%	> 6.5ft.													0
4B	Oshtemo sandy loam, 2 to 6 percent slopes	0.33	0.1%	> 6.5ft.	IIIs	IIIe	3.5	8	100	175	10	27	80	30	57	45	60
16C	Ormas loamy sand, 6 to 12 percent slopes	0.44	0.1%	> 6.5ft.	IIIe		3.2		70		16			24		32	49
4A	Oshtemo sandy loam, 0 to 2 percent slopes	6.13	1.0%	> 6.5ft.	IIIs	IIIs	3.5	8	110	175	16	27	80	30	57	45	61

 $<sup>^{\</sup>star}\text{c:}$  Using Capabilities Class Dominant Condition Aggregation Method Soils data provided by USDA and NRCS.

## Soil Map





State: Michigan **Berrien** County: 12-7S-17W Location:

Township: Niles Acres: 79.99 1/25/2016 Date:



19

95

33

44



12A

11B

22A

9B

Brady sandy

loam, 0 to 2

percent

slopes

Oshtemo

Monitor

percent slopes

sandy loam, 0 to 6 percent slopes

loam, 0 to 3

Kalamazoo

loam, 2 to 6 percent slopes

10.47

3.44

2.39

1.76

13.1%

4.3%

3.0%

2.2%

	Symbol: MIC																	
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Water Table	Soil Drainage	Non- Irr Class *c	Irr Class *c	Alfalfa hay	Alfalfa hay Irrigated	Corn	Corn Irrigated	Corn silage	Corn silage Irrigated	Oats	Soybeans	Soybeans Irrigated	Winter wheat
12A	Ockley loam, 0 to 2 percent slopes	32.44	40.6%		> 6.5ft.	Tron aranica	lw				110					38		44
4B	Oshtemo sandy loam, 2 to 6 percent slopes	16.67	20.8%		> 6.5ft.	Well drained	IIIs	IIIe	3.5	8	100	175	10	27	80	30	57	4
9A	Kalamazoo loam, 0 to 2 percent slopes	11.90	14.9%		> 6.5ft.	Well drained	lls	lls										

4.5

Somewhat

Well drained

Somewhat

Well drained

poorly drained

6.5ft.

1.5ft.

6.5ft.

poorly

drained

llw

IIIs

llw

IIIs

lle

115

125



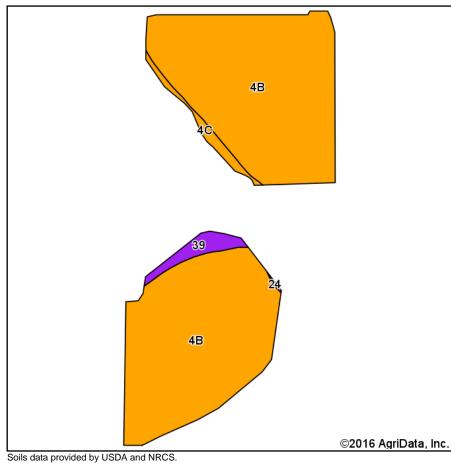
19A	Brady sandy loam, 0 to 2 percent slopes	0.92	1.2%	1ft.	Somewhat poorly drained			4.5		115		19		95	33		5
					Weig	hted Av	/erage	1.4	1.7	85.6	36.5	4.8	5.6	30.2	27.7	11.9	35.8

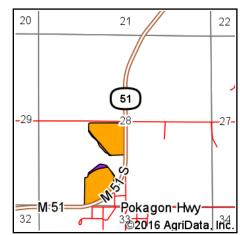
Area Symbol: MI021, Soil Area Version: 9 Area Symbol: MI027, Soil Area Version: 11

Soils data provided by USDA and NRCS.

<sup>\*</sup>c: Using Capabilities Class Dominant Condition Aggregation Method

## **Soils Map**





State: Michigan

County: Cass

Location: 28-6S-16W Township: Pokagon Acres: 39.03 9/20/2016



Date:





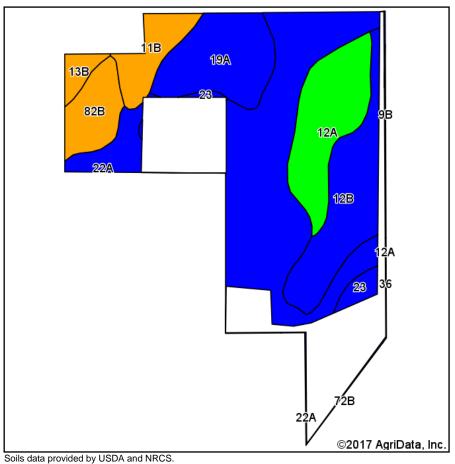
Area	Symbol: MI027,	Soil A	rea Versi	on: 11										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Water Table	Restrictive Layer	Soil Drainage	Non-Irr Class *c	Irr Class *c	Corn	Corn Irrigated	Soybeans	Soybeans Irrigated	Winter wheat
4B	Oshtemo sandy loam, 2 to 6 percent slopes	37.05	94.9%		> 6.5ft.	> 6.5ft.	Well drained	IIIs	IIIe	100	175	30	57	45
39	Cohoctah loam	1.12	2.9%		Oft.	> 6.5ft.	Very poorly drained							
4C	Oshtemo sandy loam, 6 to 12 percent slopes	0.86	2.2%		> 6.5ft.	> 6.5ft.	Well drained		IIIe					
	Weighted Average											28.5	54.1	42.7

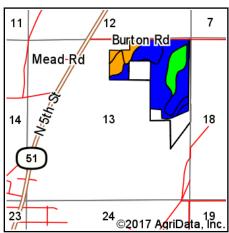
Area Symbol: MI027, Soil Area Version: 11

\*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

## **Soils Map**





State: Michigan County: **Berrien** Location: 13-7S-17W

Township: **Niles** Acres: 95

8/3/2017 Date:







Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Water Table	Restrictive Layer	Soil Drainage	Non-Irr Class *c	Irr Class *c	Corn	Corn Irrigated	Soybeans	Soybeans Irrigated	Winter wheat
22A	Monitor loam, 0 to 3 percent slopes	36.33	38.2%		0.5ft.	> 6.5ft.	Somewhat poorly drained			125		44		50
12B	Ockley loam, 2 to 6 percent slopes	15.04	15.8%		> 6.5ft.	> 6.5ft.	Well drained	lle		110		38		44
12A	Ockley loam, 0 to 2 percent slopes	14.05	14.8%		> 6.5ft.	> 6.5ft.	Well drained	lw		110		38		44
19A	Brady sandy loam, 0 to 2 percent slopes	13.20	13.9%		0.5ft.	> 6.5ft.	Somewhat poorly drained			115		33		50
82B	Oshtemo-Ockley complex, 0 to 4 percent slopes	6.31	6.6%		> 6.5ft.	> 6.5ft.	Well drained	IIIs	IIIe	95	175	30	57	45
11B	Oshtemo sandy loam, 0 to 6 percent slopes	5.66	6.0%		> 6.5ft.	> 6.5ft.	Well drained	IIIs	IIIe	95	175	30	57	45
23	Sebewa loam	2.06	2.2%		Oft.	> 6.5ft.	Poorly drained			115		36		55
13B	Spinks loamy fine sand, 0 to 6 percent slopes	1.86	2.0%		> 6.5ft.	> 6.5ft.	Well drained	IIIs	IIIs	75	165	27	50	30
9B	Kalamazoo loam, 2 to 6 percent slopes	0.28	0.3%		> 6.5ft.	> 6.5ft.	Well drained	lle	lle	100	175	30	55	40
72B	Udipsamments and Udorthents, 0 to 6 percent slopes	0.12	0.1%		> 6.5ft.	> 6.5ft.								
36	Gilford sandy loam	0.09	0.1%		Oft.	> 6.5ft.	Very poorly drained							

<sup>\*</sup>c: Using Capabilities Class Dominant Condition Aggregation Method