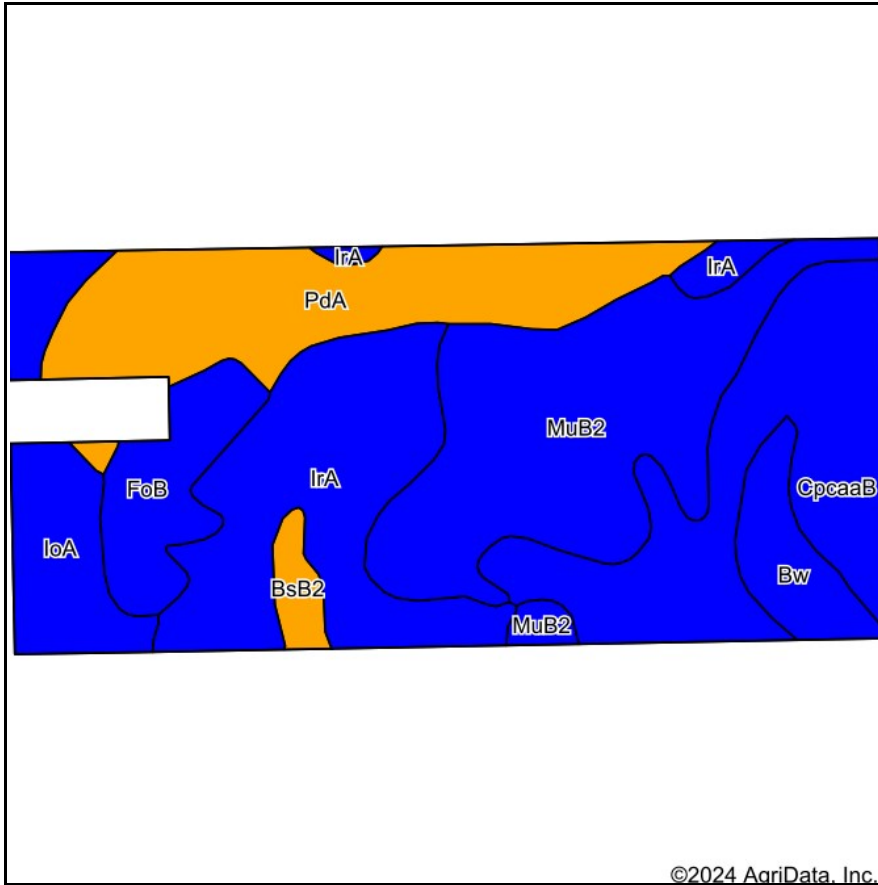
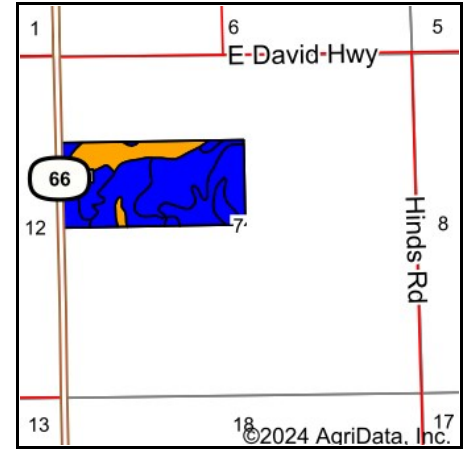


Soils Map



Soils data provided by USDA and NRCS.



State: **Michigan**
 County: **Ionia**
 Location: **7-6N-6W**
 Township: **Orange**
 Acres: **84.48**
 Date: **8/28/2024**



Maps Provided By:



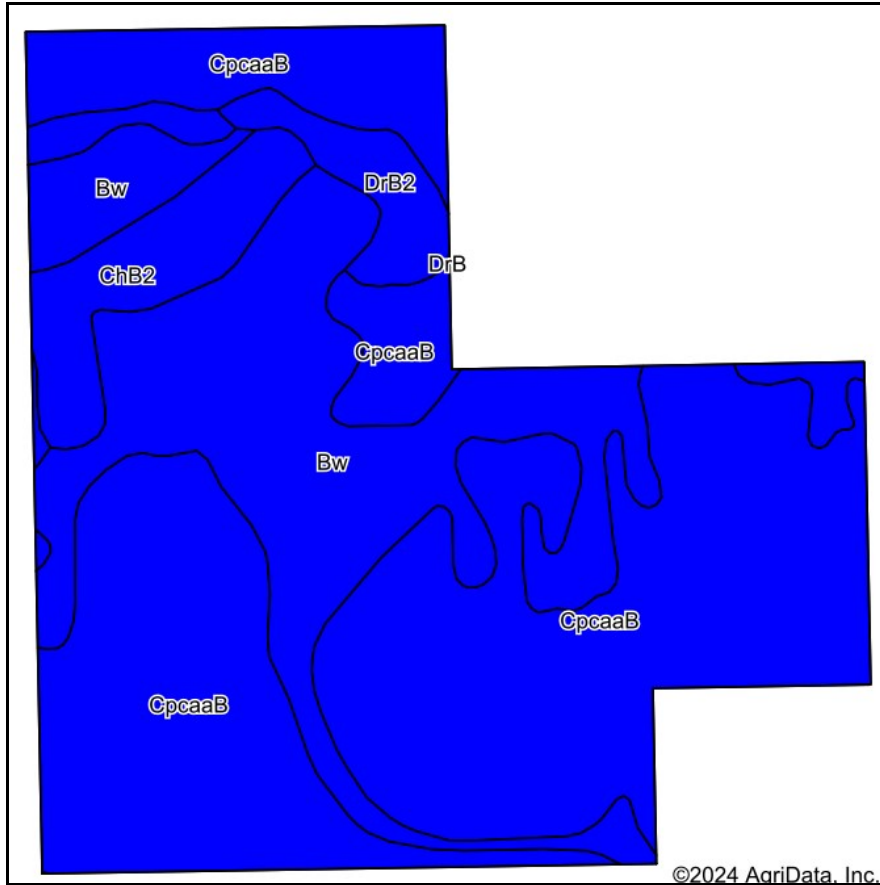
Area Symbol: MI067, Soil Area Version: 20

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn silage Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
MuB2	Wawasee loam, 2 to 6 percent slopes, moderately eroded	20.31	23.9%		Ile				53	55
CpcaaB	Capac loam, 0 to 4 percent slopes	16.13	19.1%		Ile				66	62
IrA	Ionia sandy loam, 0 to 2 percent slopes	16.12	19.1%		Ils	105	18	30	61	46
PdA	Perrin loamy sand, 0 to 2 percent slopes	14.50	17.2%		Ills	80	14	28	46	30
IoA	Ionia loam, 0 to 2 percent slopes	7.01	8.3%		Ils	105	18	30	64	50
FoB	Fox sandy loam, 2 to 6 percent slopes	5.37	6.4%		Ile	105	17	35	55	46
B w	Parkhill loam, non dense till subsoil, 0 to 2 percent slopes	3.70	4.4%		Ilw				64	70
BsB2	Boyer and Spinks loamy sands, 2 to 6 percent slopes, moderately eroded	1.34	1.6%		Ills	66	12	26	45	28
Weighted Average					2.19	50.2	8.6	15.7	*n 57.2	*n 49.6

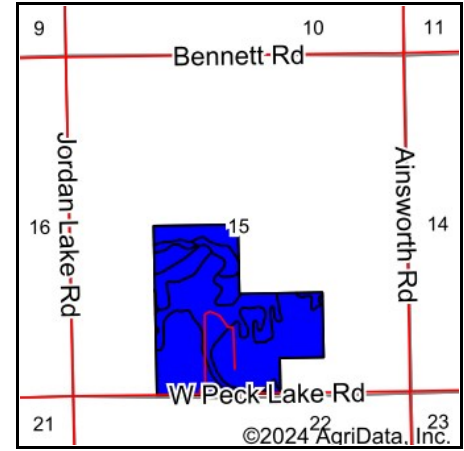
Soils data provided by USDA and NRCS. This aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils Map



Soils data provided by USDA and NRCS.



State: **Michigan**
 County: **Ionia**
 Location: **15-6N-7W**
 Township: **Berlin**
 Acres: **118.13**
 Date: **8/28/2024**



Maps Provided By:



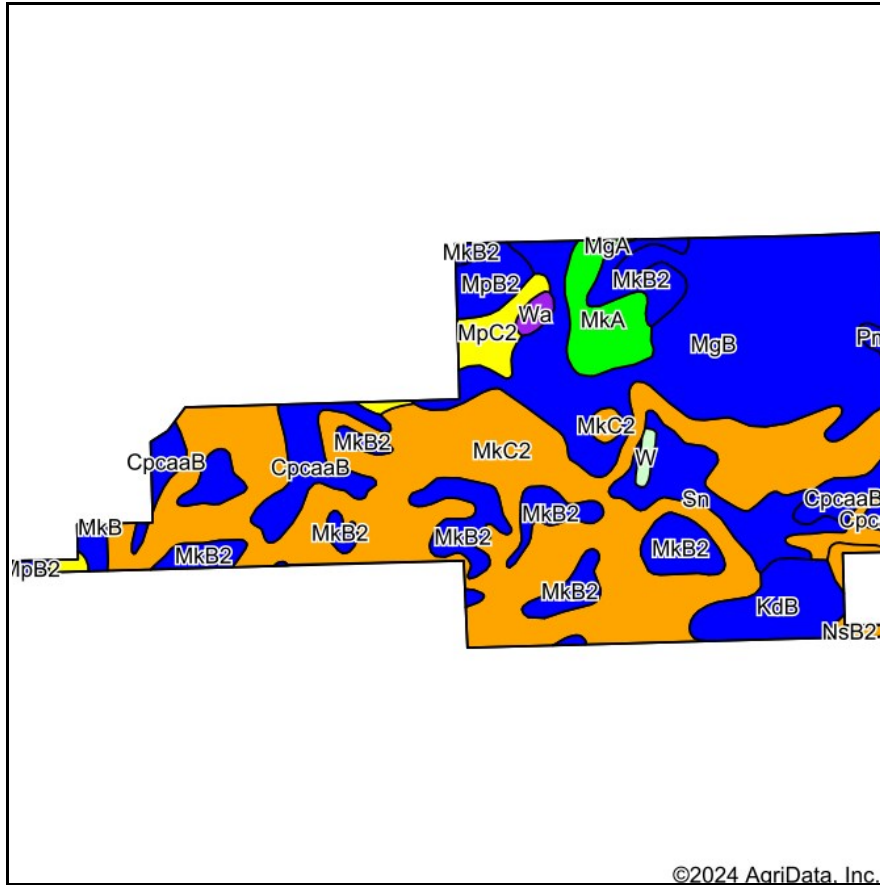
Area Symbol: MI067, Soil Area Version: 20

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn Irrigated Bu	Corn silage Tons	Corn silage Irrigated Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
CpcaaB	Capac loam, 0 to 4 percent slopes	71.70	60.7%		lle						66	62
B w	Parkhill loam, non dense till subsoil, 0 to 2 percent slopes	34.25	29.0%		llw						64	70
ChB2	Celina loam, 2 to 6 percent slopes, moderately eroded	8.46	7.2%		lle	120	160	19	27		62	55
DrB2	Dryden sandy loam, 2 to 6 percent slopes, moderately eroded	3.72	3.1%		lle	95		16		27	55	47
Weighted Average					2.00	11.6	11.5	1.9	1.9	0.9	*n 64.8	*n 63.3

Soils data provided by USDA and NRCS. n: The aggregation method is "Weighted Average using all components"

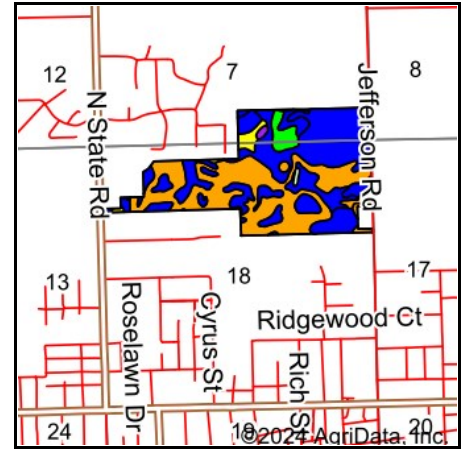
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils Map



Soils data provided by USDA and NRCS.

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State: **Michigan**
 County: **Ionia**
 Location: **18-7N-6W**
 Township: **Ionia**
 Acres: **198.15**
 Date: **8/28/2024**



Maps Provided By:



Area Symbol: MI067, Soil Area Version: 20

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn Irrigated Bu	Corn silage Tons	Corn silage Irrigated Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
MkC2	Marlette sandy loam, 6 to 12 percent slopes, moderately eroded	80.32	40.4%		lle	90	145	14	20		57	48
MgB	Marlette loam, 2 to 6 percent slopes	48.98	24.7%		lle						61	56
MkB2	Marlette sandy loam, 2 to 6 percent slopes, moderately eroded	22.53	11.4%		lle	120	150	19	27		58	50
CpcaaB	Capac loam, 0 to 4 percent slopes	10.91	5.5%		lle						66	62
Sn	Sims loam	8.99	4.5%		llw	125		19		42	66	63
KdB	Kawkawlin sandy loam, 2 to 6 percent slopes	7.66	3.9%		lle	105	140	16	23	38	55	57
Mka	Marlette sandy loam, 0 to 2 percent slopes	6.55	3.3%		lw	125	160	20	27		62	57
MpC2	McBride sandy loam, 6 to 12 percent slopes, moderately eroded	4.41	2.2%		Ive	85		14		20	59	41
MpB2	McBride sandy loam, 2 to 6 percent slopes, moderately eroded	3.91	2.0%		lle	95	155	16	26	28	59	42

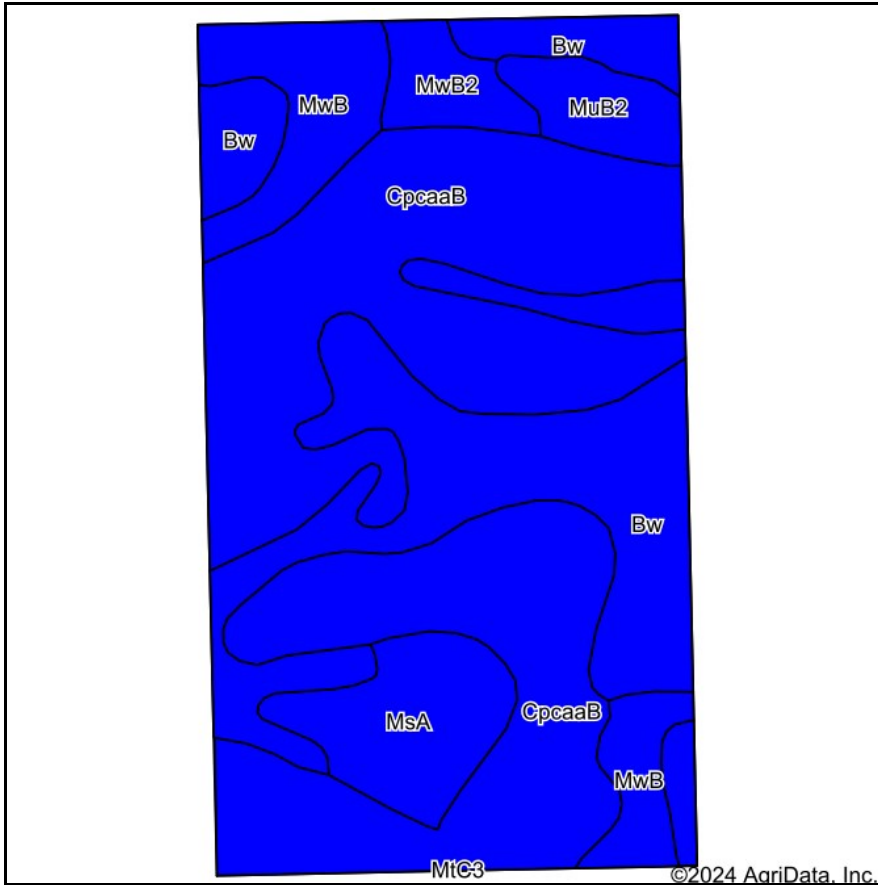
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn Irrigated Bu	Corn silage Tons	Corn silage Irrigated Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
NsB2	Nester sandy loam, 2 to 6 percent slopes, moderately eroded	1.49	0.8%		lle	100		17		30	53	51
Wa	Walkill soils	0.93	0.5%		V w						5	5
W	Water	0.68	0.3%									
Pm	Pewamo clay loam	0.50	0.3%		llw	130		20		42	68	64
MgA	Marlette loam, 0 to 2 percent slopes	0.19	0.1%		lw	125	160	20	27		66	60
MkB	Marlette sandy loam, 2 to 6 percent slopes	0.10	0.1%		lle						59	54
Weighted Average					*-	69	89.7	10.8	13.5	4.7	*n 58.7	*n 51.7

Soils are provided by USDA and NRCS. The aggregation method is "Weighted Average using all components"

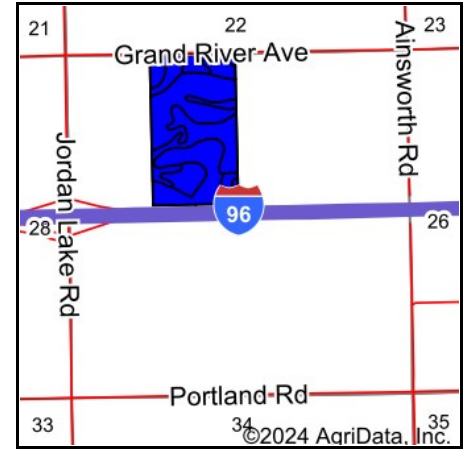
*c: Using Capabilities Class Dominant Condition Aggregation Method

*- Non Irr Class weighted average cannot be calculated on the current soils data due to missing data.

Soils Map



Soils data provided by USDA and NRCS.



State: **Michigan**
 County: **Ionia**
 Location: **27-6N-7W**
 Township: **Berlin**
 Acres: **70.91**
 Date: **8/28/2024**



Maps Provided By:



Area Symbol: MI067, Soil Area Version: 20

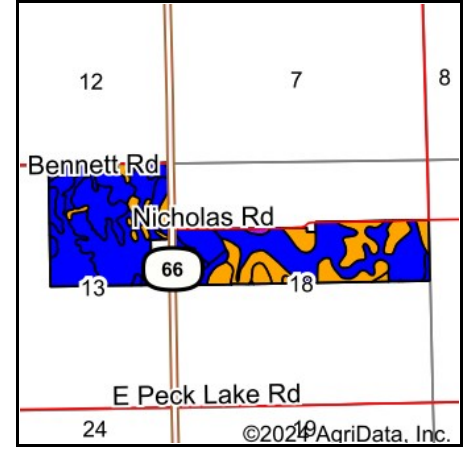
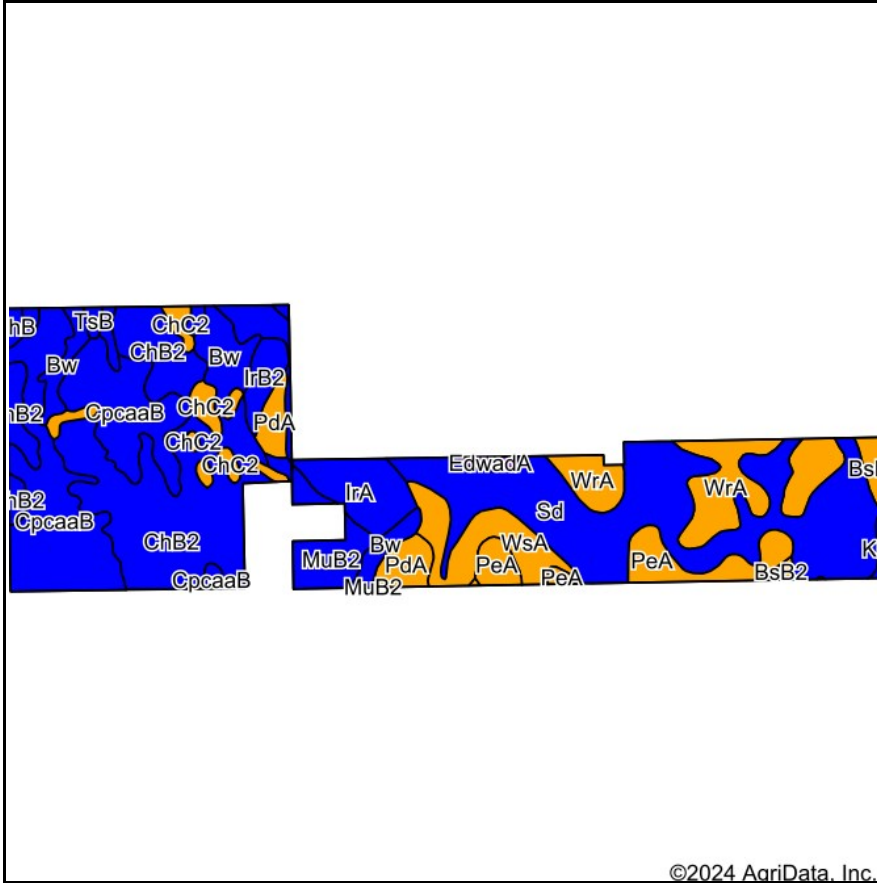
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn silage Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
CpcaaB	Capac loam, 0 to 4 percent slopes	36.71	51.8%		Ile				66	62
Bw	Parkhill loam, non dense till subsoil, 0 to 2 percent slopes	17.02	24.0%		Ilw				64	70
MwB	Miami-Owosso sandy loams, 2 to 6 percent slopes	6.29	8.9%		Ile	110		38	70	62
MsA	Metamora sandy loam, 0 to 2 percent slopes	4.96	7.0%		Ilw	125	20	40	65	52
MuB2	Wawasee loam, 2 to 6 percent slopes, moderately eroded	3.86	5.4%		Ile				53	55
MwB2	Miami-Owosso sandy loams, 2 to 6 percent slopes, moderately eroded	2.07	2.9%		Ile	105		37	66	56
Weighted Average					2.00	21.6	1.4	7.2	*n 65.1	*n 62.7

Soils data provided by USDA and NRCS.

*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils Map



State: **Michigan**
 County: **Ionia**
 Location: **18-6N-6W**
 Township: **Orange**
 Acres: **306.48**
 Date: **8/28/2024**



Maps Provided By:



Area Symbol: MI067, Soil Area Version: 20

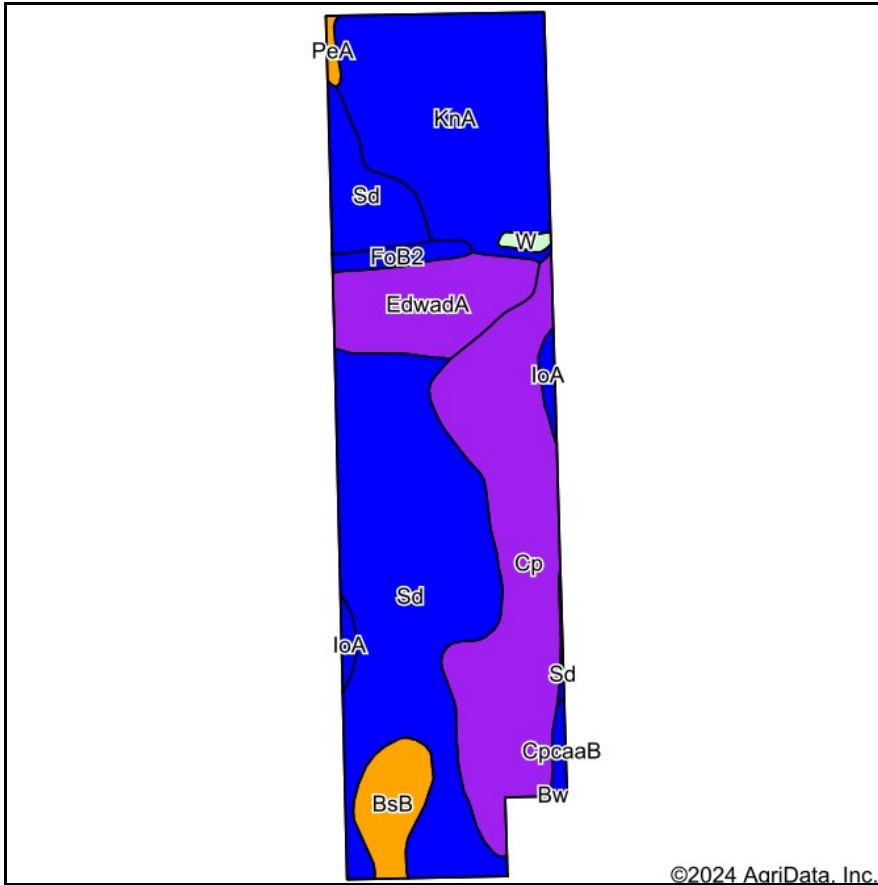
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn Irrigated Bu	Corn silage Tons	Corn silage Irrigated Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
Sd	Sebewa loam, 0 to 2 percent slopes	69.69	22.5%		IIw						71	75
ChB2	Celina loam, 2 to 6 percent slopes, moderately eroded	61.16	20.0%		Ile	120	160	19	27		62	55
CpcaaB	Capac loam, 0 to 4 percent slopes	51.47	16.8%		Ile						66	62
WrA	Wasepi-Brady loamy sands, 0 to 2 percent slopes	23.64	7.7%		IIIs	85		14		32	50	34
Bw	Parkhill loam, non dense till subsoil, 0 to 2 percent slopes	16.87	5.5%		IIw						64	70
IrA	Ionia sandy loam, 0 to 2 percent slopes	16.41	5.4%		IIIs	105		18		30	61	46
WsA	Wasepi-Brady sandy loams, 0 to 2 percent slopes	13.97	4.6%		IIIs	85		14		32	50	35
PeA	Perrin sandy loam, 0 to 2 percent slopes	13.51	4.4%		IIIs	80		14		28	48	32
MuB2	Wawasee loam, 2 to 6 percent slopes, moderately eroded	9.81	3.2%		Ile						53	55
PdA	Perrin loamy sand, 0 to 2 percent slopes	8.47	2.8%		IIIs	80		14		28	46	30

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn Irrigated Bu	Corn silage Tons	Corn silage Irrigated Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
ChC2	Celina loam, 6 to 12 percent slopes, moderately eroded	8.21	2.7%		lle	110	150	15	25		61	54
lrB2	Ionia sandy loam, 2 to 6 percent slopes, moderately eroded	4.69	1.5%		lle	100		17		25	57	41
BsB2	Boyer and Spinks loamy sands, 2 to 6 percent slopes, moderately eroded	3.96	1.3%		llls	66		12		26	45	28
KnA	Kibbie loam, 0 to 2 percent slopes	1.39	0.5%		llw	130		20		40	71	68
EdwadA	Edwards muck, 0 to 1 percent slopes	1.25	0.4%		V w						5	3
ChB	Celina loam, 2 to 6 percent slopes	1.18	0.4%		lle	120	160	19	27		65	60
TsB	Tuscola soils, 2 to 6 percent slopes	0.80	0.3%		lle	100		17		32	67	67
Weighted Average					2.25	52.4	36.6	8.5	6.2	8.5	*n 61.5	*n 56.1

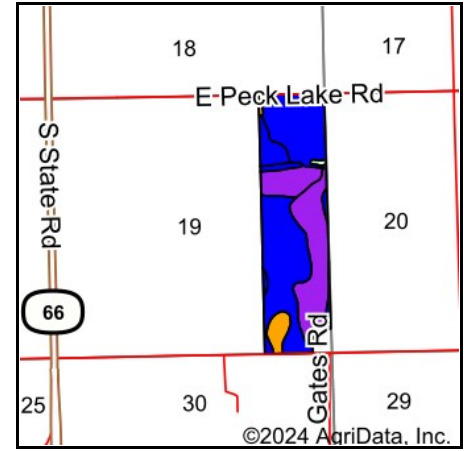
Soils data provided by USDA and NRCS
The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils Map



Soils data provided by USDA and NRCS.



State: **Michigan**
 County: **Ionia**
 Location: **19-6N-6W**
 Township: **Orange**
 Acres: **156.99**
 Date: **8/28/2024**



Maps Provided By:



Area Symbol: MI067, Soil Area Version: 20										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn silage Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
Sd	Sebewa loam, 0 to 2 percent slopes	57.67	36.8%		IIw				71	75
Cp	Cohoctah-Sloan loams	37.79	24.1%		V w				40	43
KnA	Kibbie loam, 0 to 2 percent slopes	35.07	22.3%		IIw	130	20	40	71	68
EdwadA	Edwards muck, 0 to 1 percent slopes	13.68	8.7%		V w				5	3
BsB	Boyer and Spinks loamy sands, 2 to 6 percent slopes	6.44	4.1%		IIIs	80	14	30	47	30
FoB2	Fox sandy loam, 2 to 6 percent slopes, moderately eroded	2.20	1.4%		Ile	100	16	33	52	42
IoA	Ionia loam, 0 to 2 percent slopes	1.85	1.2%		IIIs	105	18	30	64	50
CpcaaB	Capac loam, 0 to 4 percent slopes	0.99	0.6%		Ile				66	62
W	Water	0.69	0.4%							
PeA	Perrin sandy loam, 0 to 2 percent slopes	0.61	0.4%		IIIs	80	14	28	48	32
Weighted Average					*-	35.3	5.5	11.1	*n 56	*n 56.3

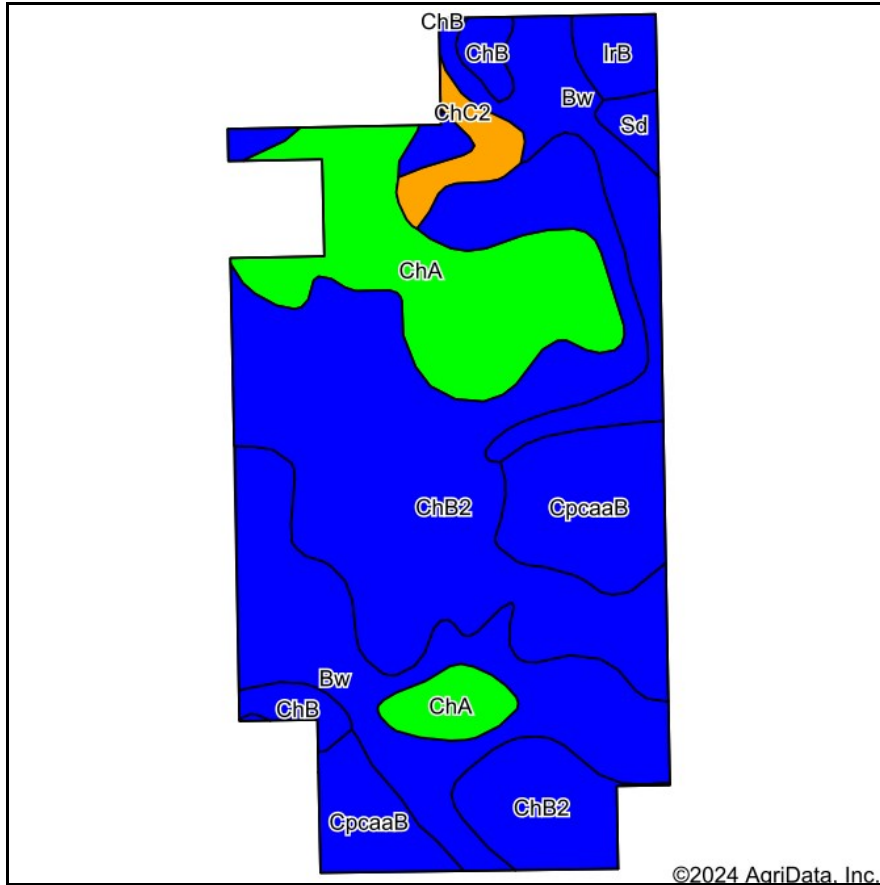
Soils data provided by USDA and NRCS.

n: The aggregation method is "Weighted Average using all components"

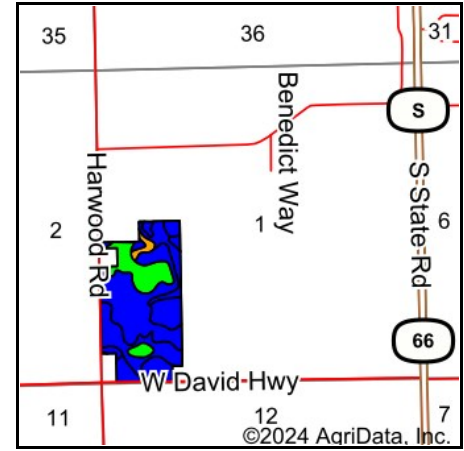
*c: Using Capabilities Class Dominant Condition Aggregation Method

*- Non Irr Class weighted average cannot be calculated on the current soils data due to missing data.

Soils Map



Soils data provided by USDA and NRCS.



State: **Michigan**
 County: **Ionia**
 Location: **1-6N-7W**
 Township: **Berlin**
 Acres: **70.03**
 Date: **8/28/2024**



Maps Provided By:



Area Symbol: MI067, Soil Area Version: 20

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Corn Bu	Corn Irrigated Bu	Corn silage Tons	Corn silage Irrigated Tons	Soybeans Bu	*n NCCPI Corn	*n NCCPI Soybeans
ChB2	Celina loam, 2 to 6 percent slopes, moderately eroded	28.05	40.0%		Ile	120	160	19	27		62	55
B w	Parkhill loam, non dense till subsoil, 0 to 2 percent slopes	17.25	24.6%		Ilw						64	70
ChA	Celina loam, 0 to 2 percent slopes	11.75	16.8%		Iw	125	160	20	27		64	61
CpcaaB	Capac loam, 0 to 4 percent slopes	7.72	11.0%		Ile						66	62
ChB	Celina loam, 2 to 6 percent slopes	1.63	2.3%		Ile	120	160	19	27		65	60
ChC2	Celina loam, 6 to 12 percent slopes, moderately eroded	1.58	2.3%		Ille	110	150	15	25		61	54
IrB	Ionia sandy loam, 2 to 6 percent slopes	1.37	2.0%		Ile	100		17		25	60	45
Sd	Sebewa loam, 0 to 2 percent slopes	0.68	1.0%		Ilw						71	75
Weighted Average					1.85	76.3	98	12.1	16.5	0.5	*n 63.4	*n 60.6

Soils data provided by USDA and NRCS. The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method