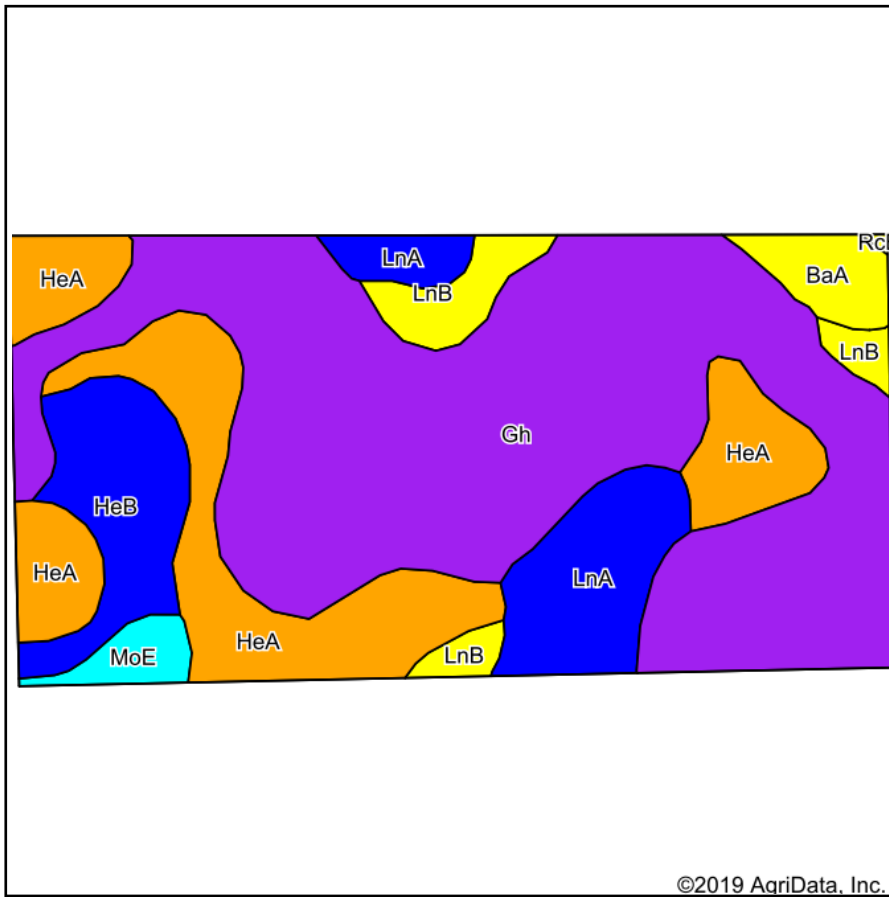
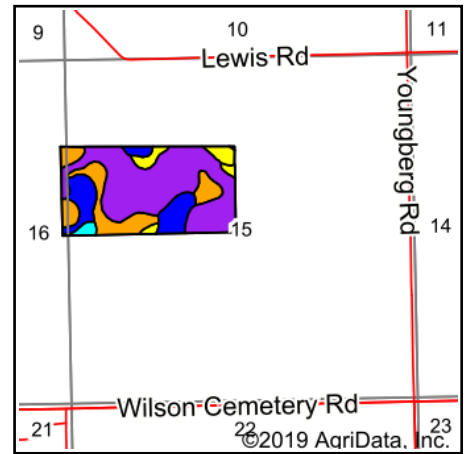


Soils Map



Soils data provided by USDA and NRCS.



State: **South Dakota**
 County: **Butte**
 Location: **15-8N-6E**
 Township: **East Butte**
 Acres: **80**
 Date: **4/30/2020**



Maps Provided By:
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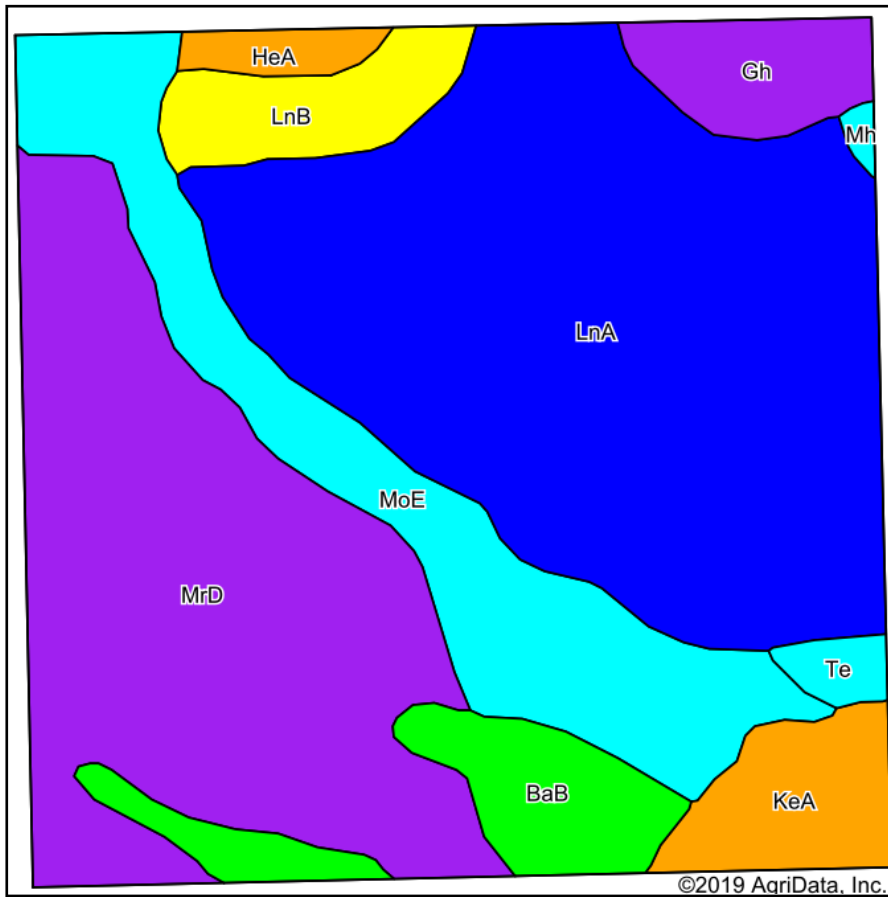
Area Symbol: SD019. Soil Area Version: 23													
Code	Soil Description	Acres	Percent of field	PI Legend	Non-Irr Class *c	Irr Class *c	Productivity Index	Alfalfa hay Irrigated	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans	*n NCCPI Cotton
Gh	Glenberg and Haverson soils	43.91	54.9%		VIw		34		28	15	22	28	0
HeA	Haverson loam, 0 to 2 percent slopes, rarely flooded	16.39	20.5%		IIIc		81		34	12	21	34	9
LnA	Lohmiller silty clay loam, 0 to 2 percent slopes	6.87	8.6%		IIIc	IIIe	68	4	34	14	23	34	9
HeB	Haverson loam, 2 to 6 percent slopes	5.95	7.4%		IIIe		76		35	17	21	35	9
LnB	Lohmiller silty clay loam, 2 to 6 percent slopes	3.38	4.2%		IIIe		60		34	14	23	34	9
BaA	Baca silty clay loam, 0 to 2 percent slopes	2.06	2.6%		IIIc		50		46	20	29	46	0
MoE	Midway silty clay loam, 6 to 25 percent slopes	1.38	1.7%		VIe		8		7	4	7	7	0
RCB	Razor silty clay loam, 2 to 6 percent slopes	0.06	0.1%		IVe		57		19	9	17	19	0
Weighted Average							50.8	0.3	*n 30.6	*n 14.3	*n 21.8	*n 30.6	*n 3.7

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

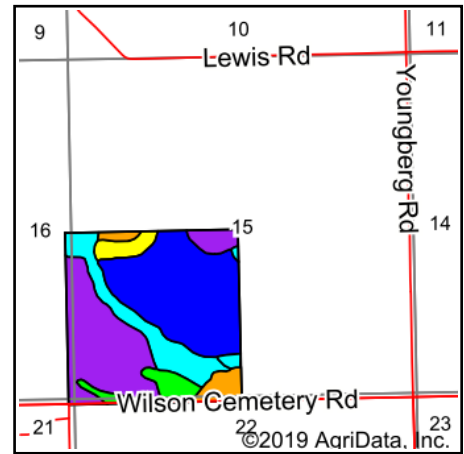
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Soils Map



Soils data provided by USDA and NRCS.



State: **South Dakota**
 County: **Butte**
 Location: **15-8N-6E**
 Township: **East Butte**
 Acres: **160**
 Date: **4/30/2020**



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Area Symbol: SD019. Soil Area Version: 23

Code	Soil Description	Acres	Percent of field	PI Legend	Non-Irr Class *c	Irr Class *c	Productivity Index	Alfalfa hay Irrigated	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans	*n NCCPI Cotton
LnA	Lohmiller silty clay loam, 0 to 2 percent slopes	62.48	39.0%		IIIc	IIIe	68	4	34	14	23	34	9
MrD	Midway-Razor silty clay loams, 3 to 15 percent slopes	44.65	27.9%		VIe		29		12	6	11	12	0
MoE	Midway silty clay loam, 6 to 25 percent slopes	22.76	14.2%		VIe		8		7	4	7	7	0
BaB	Baca silty clay loam, 2 to 6 percent slopes	8.95	5.6%		IIIe		43		45	20	29	45	0
KeA	Keith silt loam, 0 to 2 percent slopes	6.35	4.0%		IIIc		91		52	23	34	52	0
LnB	Lohmiller silty clay loam, 2 to 6 percent slopes	5.91	3.7%		IIIe		60		34	14	23	34	9
Gh	Glenberg and Haverson soils	5.28	3.3%		VIw		34		28	15	22	28	0
HeA	Haverson loam, 0 to 2 percent slopes, rarely flooded	1.85	1.2%		IIIc		81		34	12	21	34	9
Te	Lismas-Shale outcrop complex, 25 to 50 percent slopes	1.39	0.9%		VIIe		8		3	1	2	1	0
Mh	Aquolls	0.38	0.2%		VIIIw		5		2	1	2	1	0
Weighted Average							46.2	1.6	*n 24.8	*n 10.9	*n 17.9	*n 24.8	*n 4

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

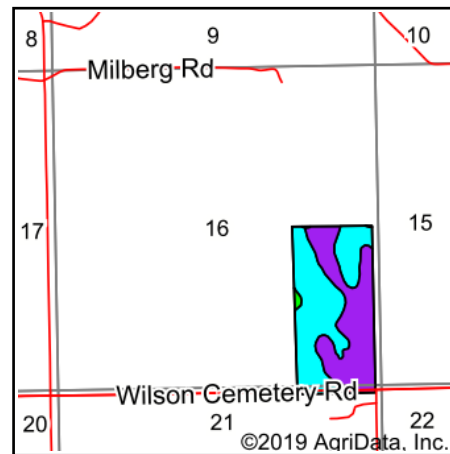
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Soils Map



Soils data provided by USDA and NRCS.



State: **South Dakota**
 County: **Butte**
 Location: **16-8N-6E**
 Township: **East Butte**
 Acres: **80**
 Date: **4/30/2020**



Maps Provided By:



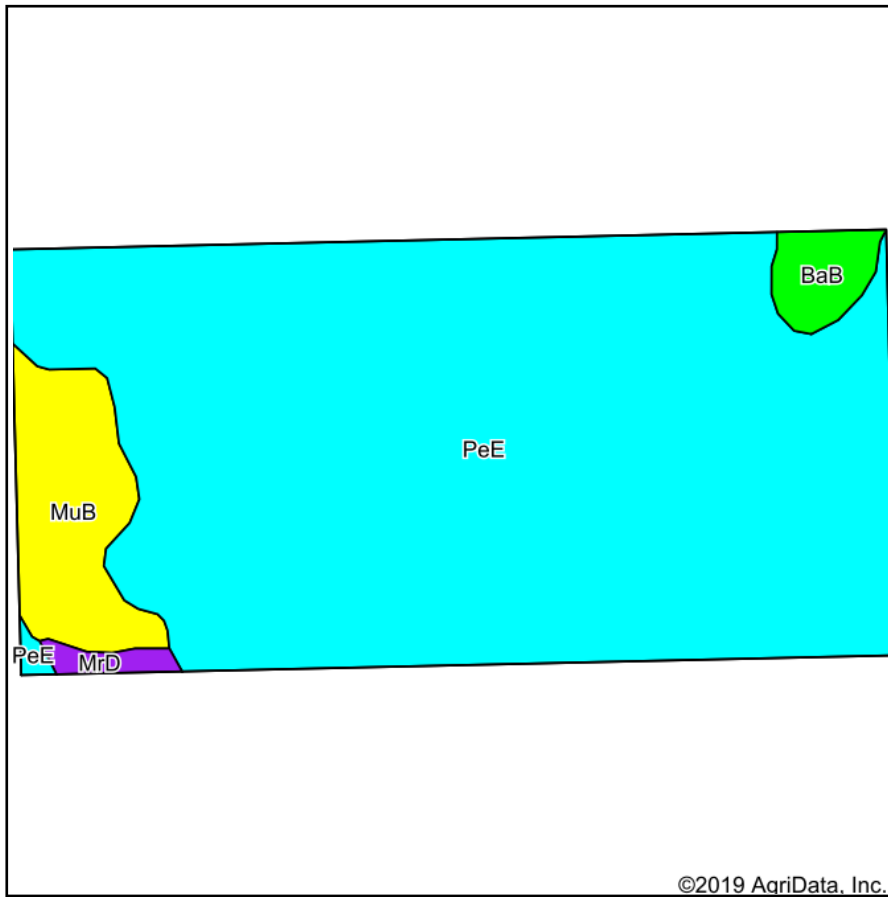
Area Symbol: SD019, Soil Area Version: 23											
Code	Soil Description	Acres	Percent of field	PI Legend	Non-Irr Class *c	Productivity Index	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans	*n NCCPI Cotton
MrD	Midway-Razor silty clay loams, 3 to 15 percent slopes	36.28	45.4%		Vle	29	12	6	11	12	0
PeE	Enning silty clay loam, 6 to 25 percent slopes	33.73	42.2%		Vle	14	11	7	10	11	0
MoE	Midway silty clay loam, 6 to 25 percent slopes	9.34	11.7%		Vle	8	7	4	7	7	0
BaB	Baca silty clay loam, 2 to 6 percent slopes	0.65	0.8%		Ille	43	45	20	29	45	0
Weighted Average						20.3	*n 11.3	*n 6.3	*n 10.3	*n 11.3	*n *

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

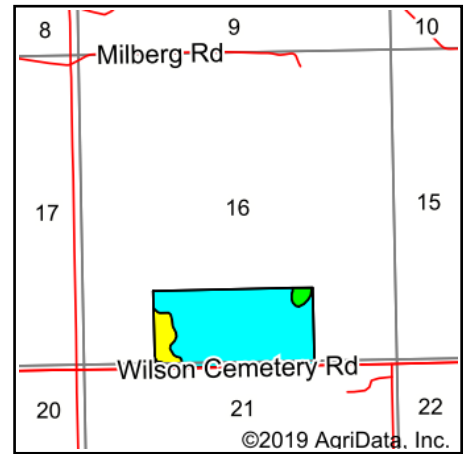
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Soils Map



Soils data provided by USDA and NRCS.



State: **South Dakota**
 County: **Butte**
 Location: **16-8N-6E**
 Township: **East Butte**
 Acres: **80**
 Date: **4/30/2020**



Maps Provided By:



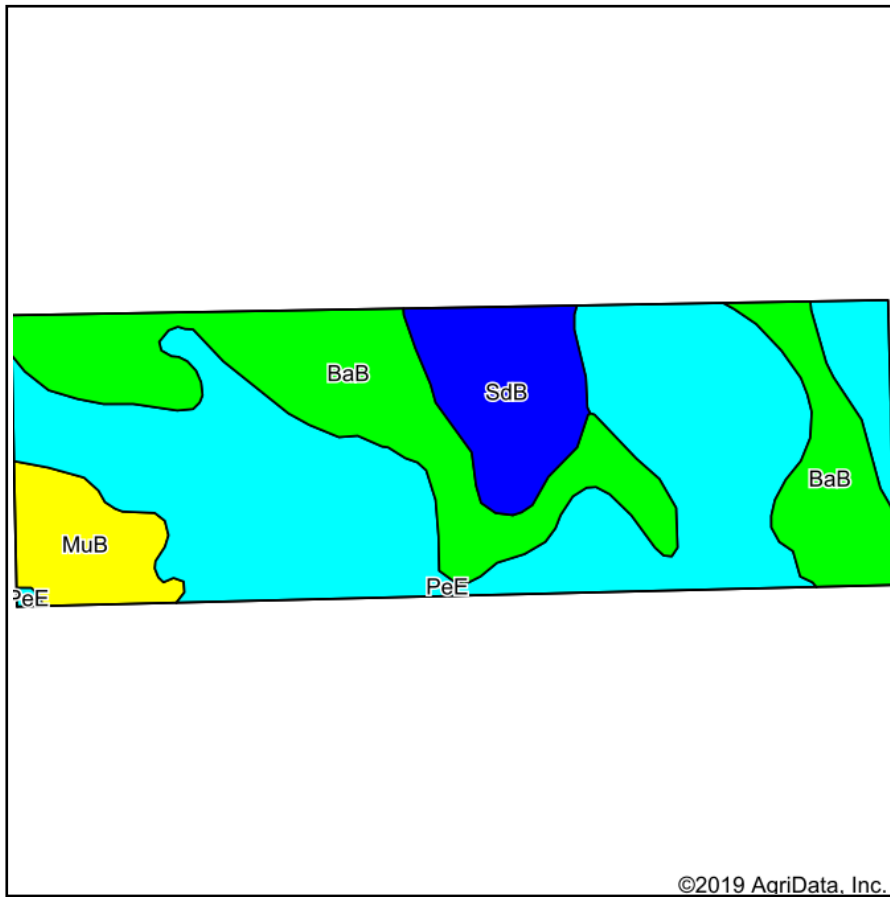
Area Symbol: SD019. Soil Area Version: 23										
Code	Soil Description	Acres	Percent of field	PI Legend	Non-Irr Class *c	Productivity Index	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans
PeE	Enning silty clay loam, 6 to 25 percent slopes	70.88	88.6%		Vle	14	11	7	10	11
MuB	Minnequa silty clay loam, 2 to 6 percent slopes	6.56	8.2%		IVe	57	16	8	12	16
BaB	Baca silty clay loam, 2 to 6 percent slopes	1.89	2.4%		IIle	43	45	20	29	45
MrD	Midway-Razor silty clay loams, 3 to 15 percent slopes	0.67	0.8%		Vle	29	12	6	11	12
Weighted Average						18.3	*n 12.2	*n 7.4	*n 10.6	*n 12.2

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

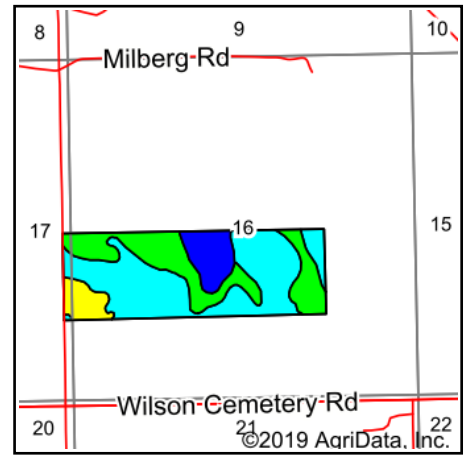
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Soils Map



Soils data provided by USDA and NRCS.



State: **South Dakota**
 County: **Butte**
 Location: **16-8N-6E**
 Township: **East Butte**
 Acres: **120**
 Date: **4/30/2020**



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Area Symbol: SD019, Soil Area Version: 23

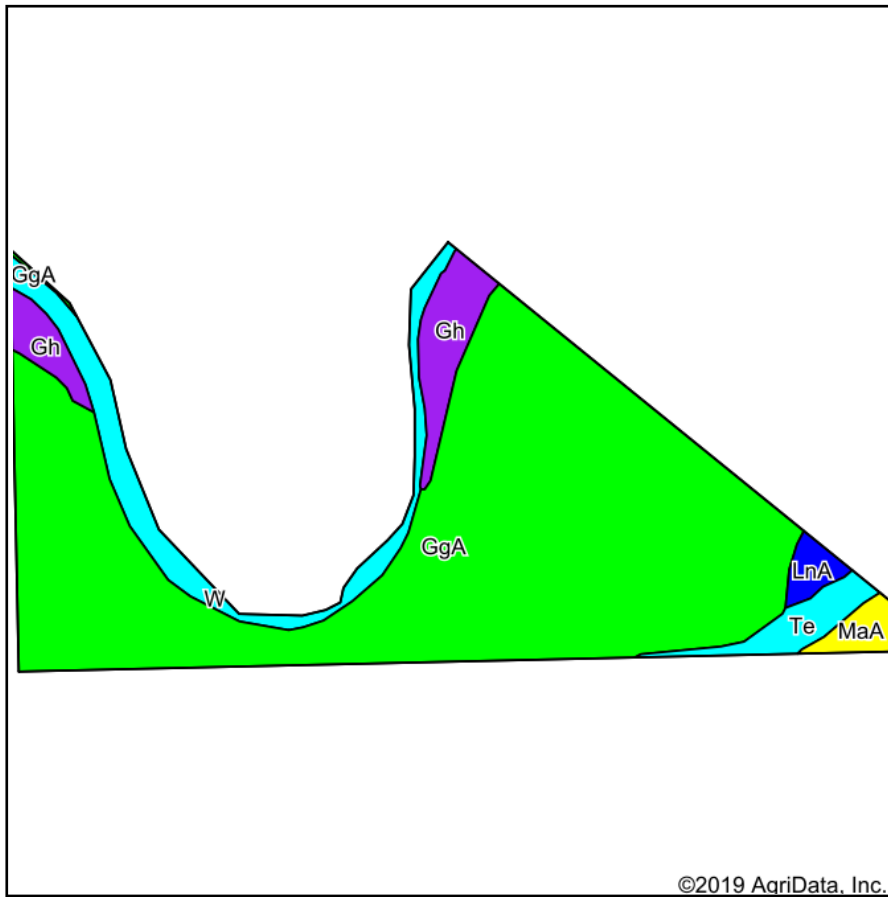
Code	Soil Description	Acres	Percent of field	PI Legend	Non-Irr Class *c	Productivity Index	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans
PeE	Enning silty clay loam, 6 to 25 percent slopes	62.90	52.4%		Vle	14	11	7	10	11
BaB	Baca silty clay loam, 2 to 6 percent slopes	36.56	30.5%		IIIe	43	45	20	29	45
SdB	Savo silty clay loam, 2 to 6 percent slopes	12.38	10.3%		IIIe	79	44	21	30	44
MuB	Minnequa silty clay loam, 2 to 6 percent slopes	8.16	6.8%		IVe	57	16	8	12	16
Weighted Average						32.5	*n 25.1	*n 12.5	*n 18	*n 25.1

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

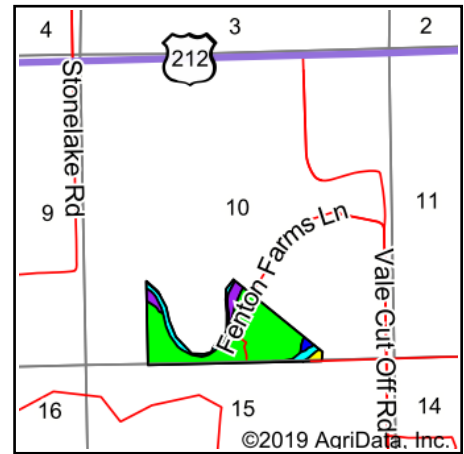
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Soils Map



Soils data provided by USDA and NRCS.



State: **South Dakota**
 County: **Butte**
 Location: **10-8N-5E**
 Township: **East Butte**
 Acres: **49**
 Date: **4/30/2020**



Area Symbol: SD019, Soil Area Version: 23

Code	Soil Description	Acres	Percent of field	PI Legend	Non-Irr Class *c	Irr Class *c	Productivity Index	Alfalfa hay Irrigated	Barley Irrigated	Corn Irrigated	Corn silage Irrigated	Grain sorghum Irrigated	Sugar beets Irrigated	Wheat Irrigated	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grain
GgA	Glenberg fine sandy loam, 0 to 2 percent slopes	38.63	78.8%		IIle		44								29	14	
W	Water	4.19	8.6%		VIII		0									0	
Gh	Glenberg and Haverson soils	3.16	6.4%		VIw		34								28	15	
Te	Lismas-Shale outcrop complex, 25 to 50 percent slopes	1.49	3.0%		VIIe		8								3	1	
MaA	Manter fine sandy loam, 0 to 2 percent slopes	0.84	1.7%		IIle	IIle	59	5.5	75	130	18	70	19	55	35	17	
LnA	Lohmiller silty clay loam, 0 to 2 percent slopes	0.69	1.4%		IIlc	IIle	68	4							34	14	
Weighted Average							39.1	0.2	1.3	2.2	0.3	1.2	0.3	0.9	*n 25.8	*n 12.5	*n 19.1

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

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.