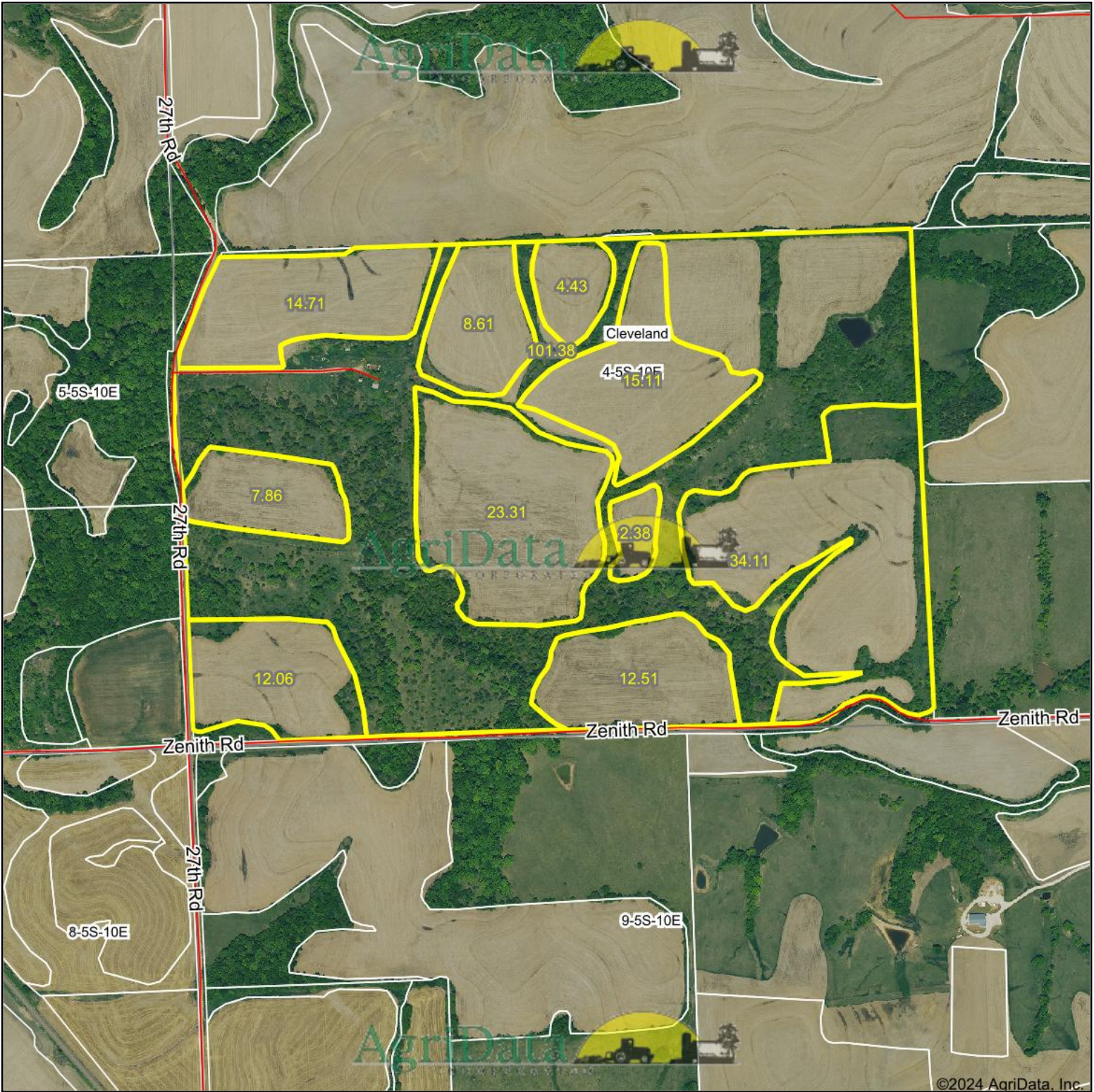
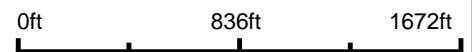


Aerial Map



Boundary Center: 39° 38' 32.55, -96° 18' 27.48



4-5S-10E
Marshall County
Kansas



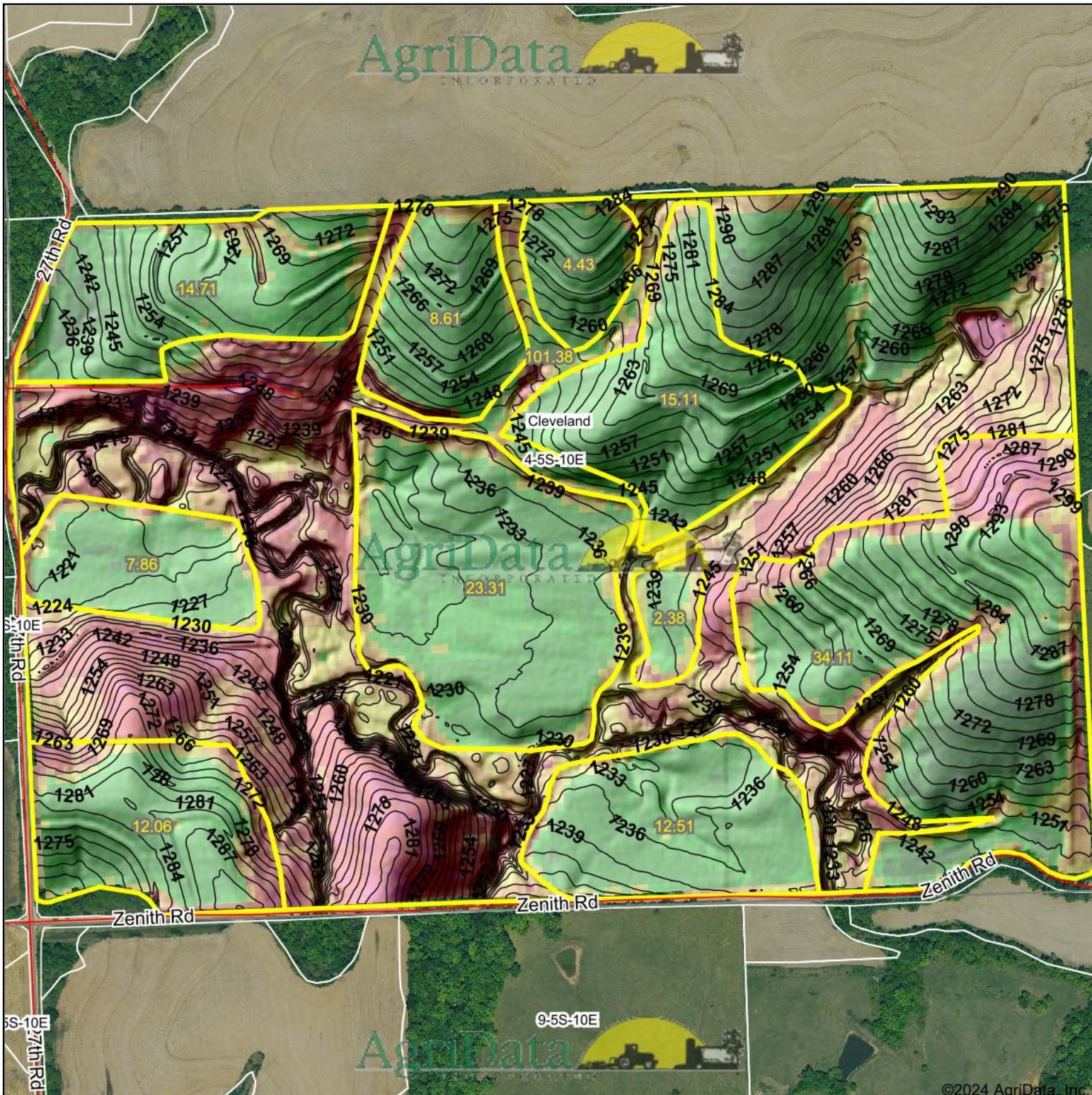
Maps Provided By:

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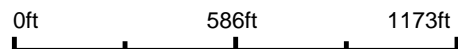
7/30/2024

Field borders provided by Farm Service Agency as of 5/21/2008.

Hillshade Maximum NDVI 2023



Low Relative Biomass High Crop:



*USDA CropScape

Elevation Min: 1,206.1

Max: 1,301.8

Range: 95.7

Average: 1,253.0

Standard Deviation: 21 ft



4-5S-10E

Marshall County

Kansas

7/30/2024

Boundary Center:

39° 38' 32.55, -96° 18' 27.48

Maps Provided By:



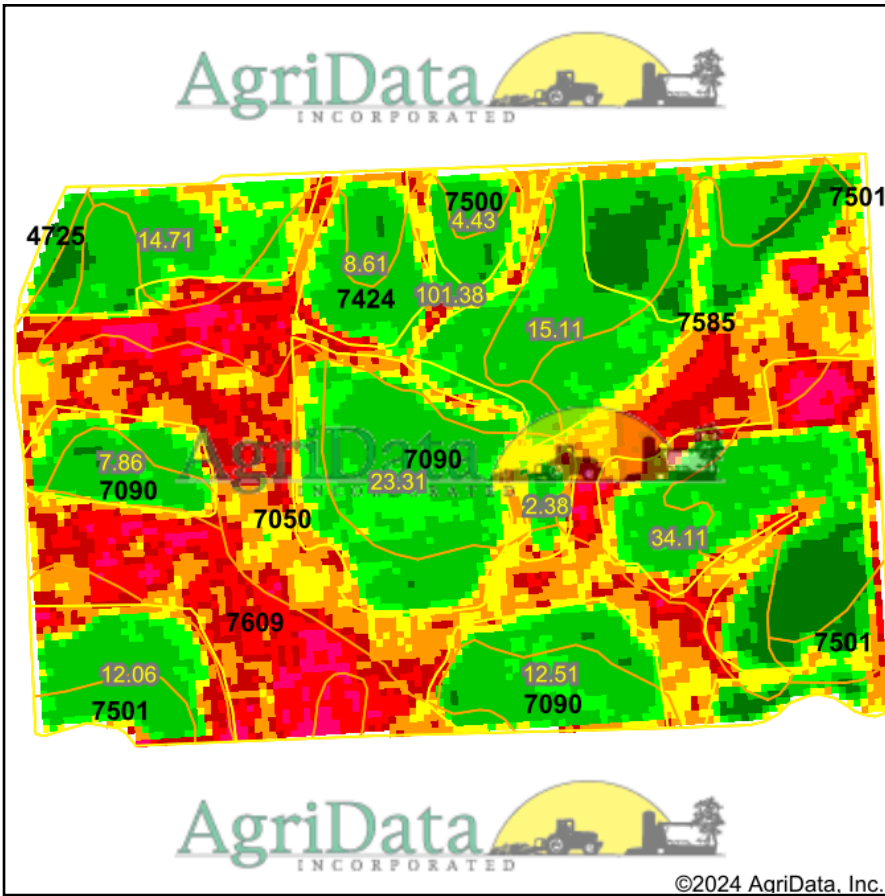
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Max NDVI(2023) with Soils



Low RELATIVE BIOMASS High	Value
Dark Green	86 - 99
Green	81 - 85
Light Green	76 - 80
Yellow	71 - 75
Orange	66 - 70
Red	61 - 65
Dark Red	51 - 60
Pink	41 - 50
Purple	21 - 40
Blue	1 - 20
Light Blue	0 - 0

State: **Kansas**
 County: **Marshall**
 Location: **4-5S-10E**
 Township: **Cleveland**
 Acres: **236.47**
 Date: **7/30/2024**

Crop:

*USDA CropScape

Maps Provided By:



Soils data provided by USDA and NRCS.

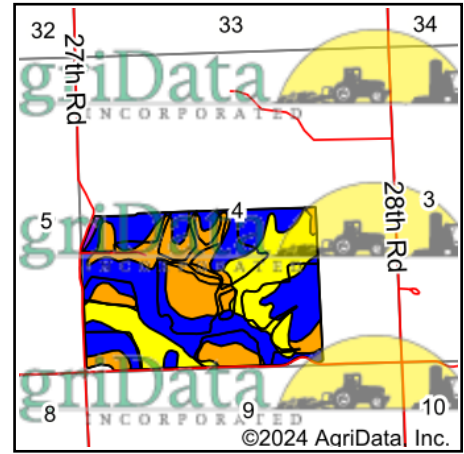
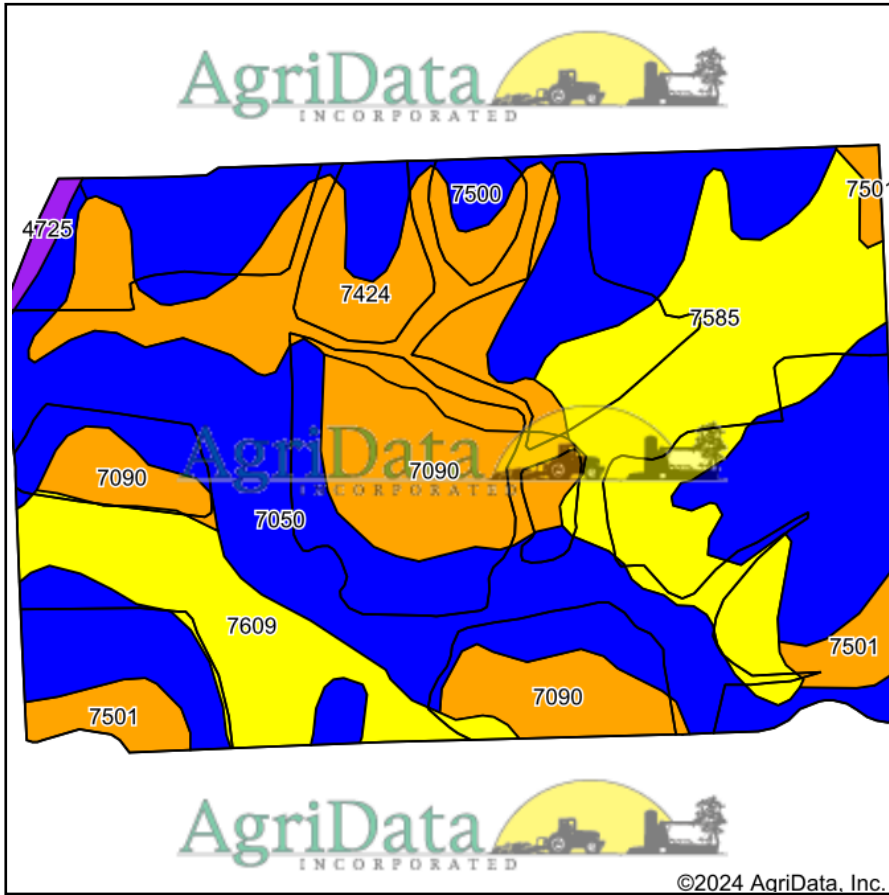
Area Symbol: KS117, Soil Area Version: 24

Code	Soil Description	Acres	Percent of field	Soil Drainage	Non-Irr Class *c	*n NCCPI Overall	NDVI 2023
7500	Pawnee clay loam, 1 to 4 percent slopes	59.75	25.4%	Moderately well drained	Ile	51	77.8
7050	Kennebec silt loam, occasionally flooded	50.00	21.1%	Moderately well drained	IIw	89	71.1
7585	Shelby clay loam, 7 to 12 percent slopes	39.10	16.5%	Well drained	IVe	64	71.9
7424	Morrill clay loam, 3 to 7 percent slopes, eroded	30.50	12.9%	Well drained	IIIe	65	73.6
7090	Wabash silty clay loam, occasionally flooded	27.90	11.8%	Poorly drained	IIIw	54	80.5
7609	Steinauer-Shelby clay loams, 10 to 14 percent slopes	19.27	8.1%	Well drained	IVe	66	59.4
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	8.63	3.6%	Moderately well drained	IIIe	46	78.7
4725	Kipson-Sogn complex, 5 to 30 percent slopes	1.32	0.6%	Somewhat excessively drained	VI	30	82.4
Weighted Average					2.80	*n 64.3	

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

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils Map



State: **Kansas**
 County: **Marshall**
 Location: **4-5S-10E**
 Township: **Cleveland**
 Acres: **236.47**
 Date: **7/30/2024**

Maps Provided By:



Soils data provided by USDA and NRCS.

Area Symbol: KS117, Soil Area Version: 24

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	Range Production (lbs/acre/yr)	Corn Bu	Soybeans Bu	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans	*n NCCPI Cotton
7500	Pawnee clay loam, 1 to 4 percent slopes	59.75	25.4%		IIe	IIIe	3845			51	41	50	44	
7050	Kennebec silt loam, occasionally flooded	50.00	21.1%		IIw		4361	114	38	89	89	69	82	
7585	Shelby clay loam, 7 to 12 percent slopes	39.10	16.5%		IVe		4260			64	63	59	60	
7424	Morrill clay loam, 3 to 7 percent slopes, eroded	30.50	12.9%		IIIe		4270			65	65	54	56	
7090	Wabash silty clay loam, occasionally flooded	27.90	11.8%		IIIw		7610			54	54	27	54	1
7609	Steinauer-Shelby clay loams, 10 to 14 percent slopes	19.27	8.1%		IVe		3511			66	58	55	63	

Soils data provided by USDA and NRCS.



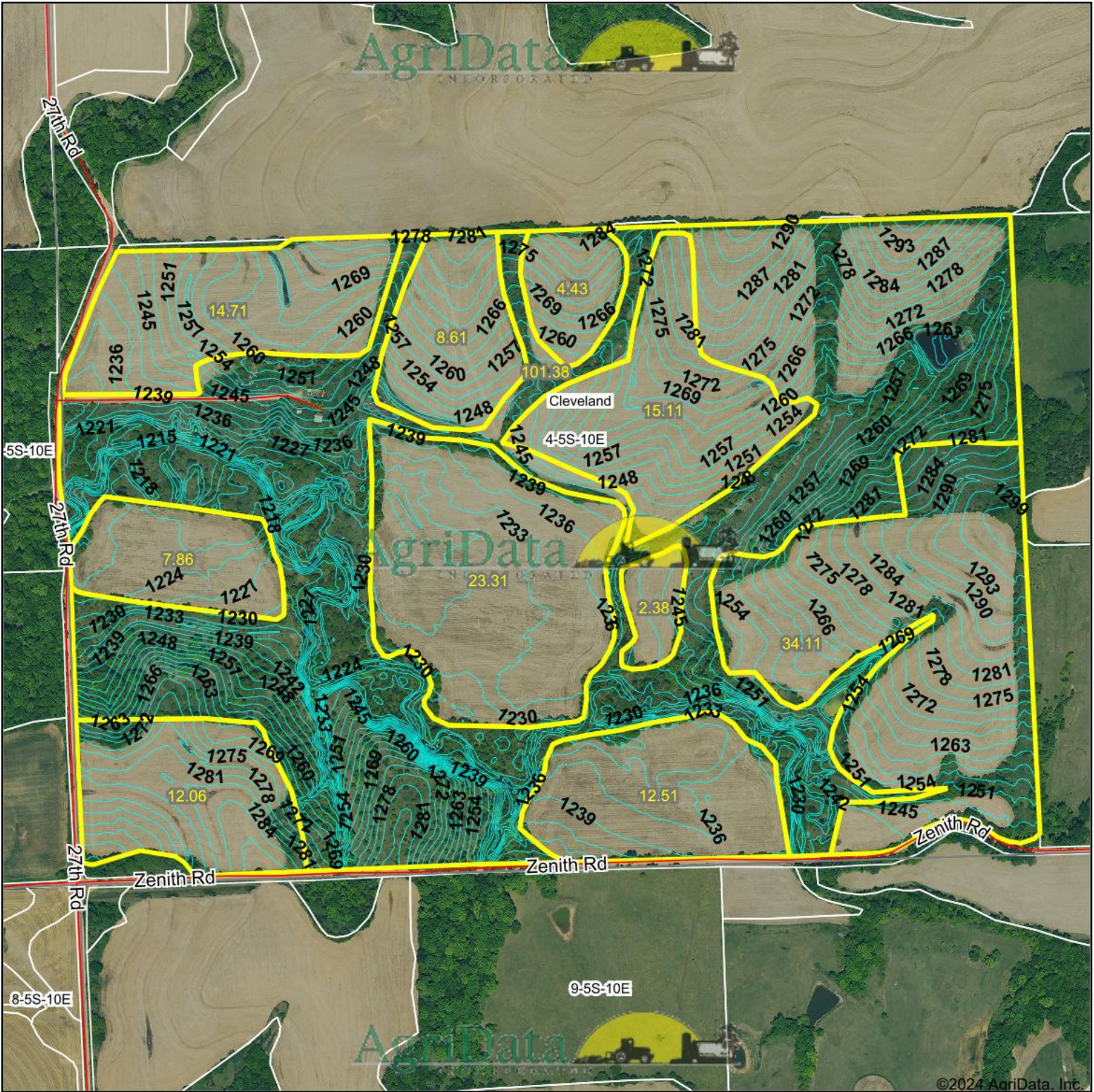
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	Range Production (lbs/acre/yr)	Corn Bu	Soybeans Bu	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Small Grains	*n NCCPI Soybeans	*n NCCPI Cotton
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	8.63	3.6%			IIIe	3883			46	38	45	39	
4725	Kipson-Sogn complex, 5 to 30 percent slopes	1.32	0.6%			VIs	2710			30	26	29	25	15
Weighted Average							4489.6	24.1		*n 64.3	*n 60.6	*n 53.4	*n 58.7	*n 0.2

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

*c: Using Capabilities Class Dominant Condition Aggregation Method

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

Topography Contours



Source: USGS 3 meter dem

Interval(ft): 3.0

Min: 1,206.1

Max: 1,301.8

Range: 95.7

Average: 1,253.0

Standard Deviation: 21 ft

0ft 647ft 1294ft



7/30/2024

4-5S-10E
Marshall County
Kansas

Boundary Center: 39° 38' 32.55, -96° 18' 27.48

Maps Provided By:

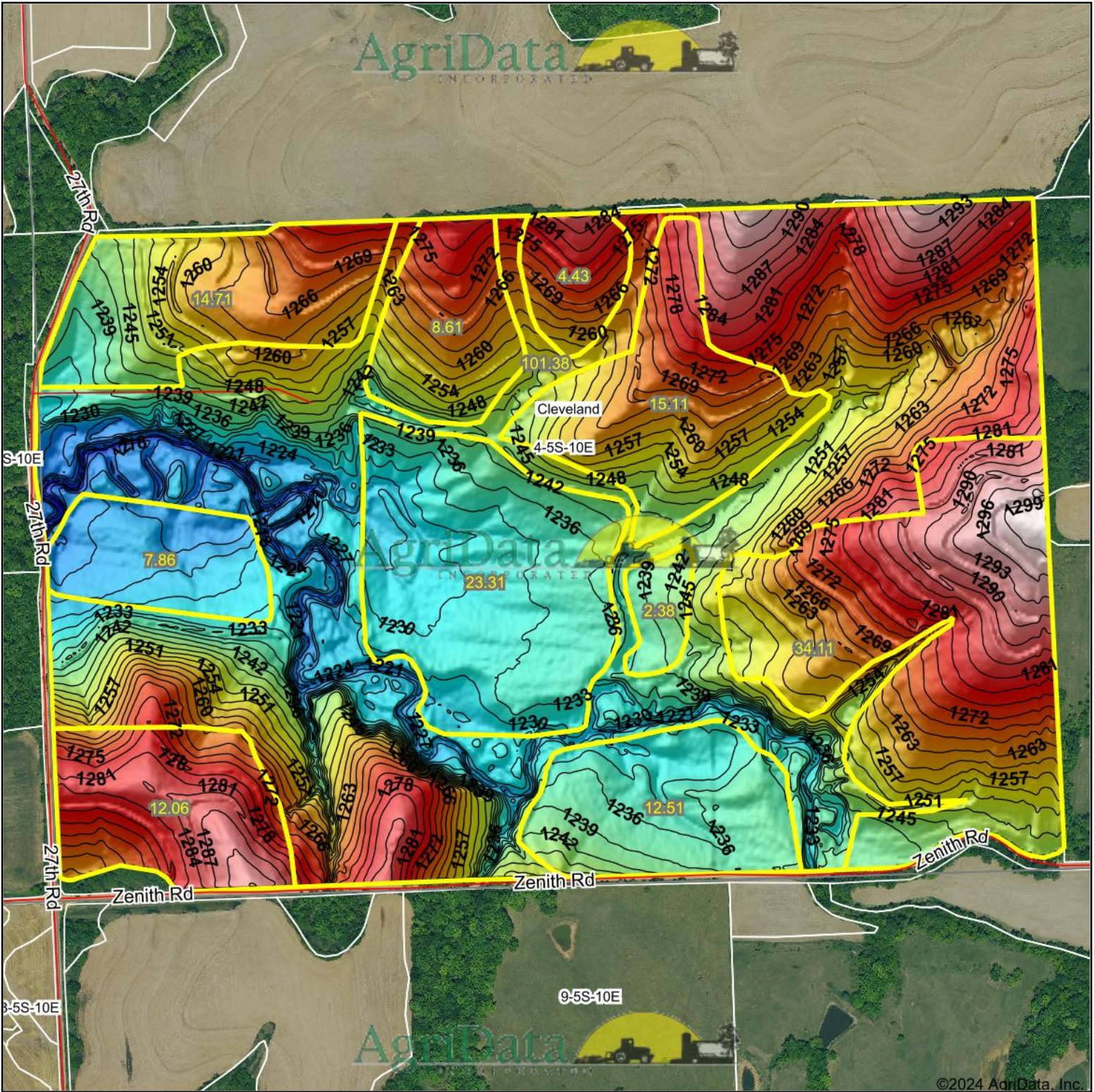


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Topography Hillshade



<p>Low Elevation High</p>	<p>Source: USGS 3 meter dem Interval(ft): 3 Min: 1,206.1 Max: 1,301.8 Range: 95.7 Average: 1,253.0 Standard Deviation: 21 ft</p>	<p>0ft 617ft 1233ft</p>	<p>7/30/2024</p>	<p>4-5S-10E Marshall County Kansas</p>
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