

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R1

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 9:23 PM
End: Jul 15, 2025 10:52 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.3 ac
Total Yield: 154 bu
Wet Weight: 4,014.9 lb/ac
Elevation: 951.5 ft

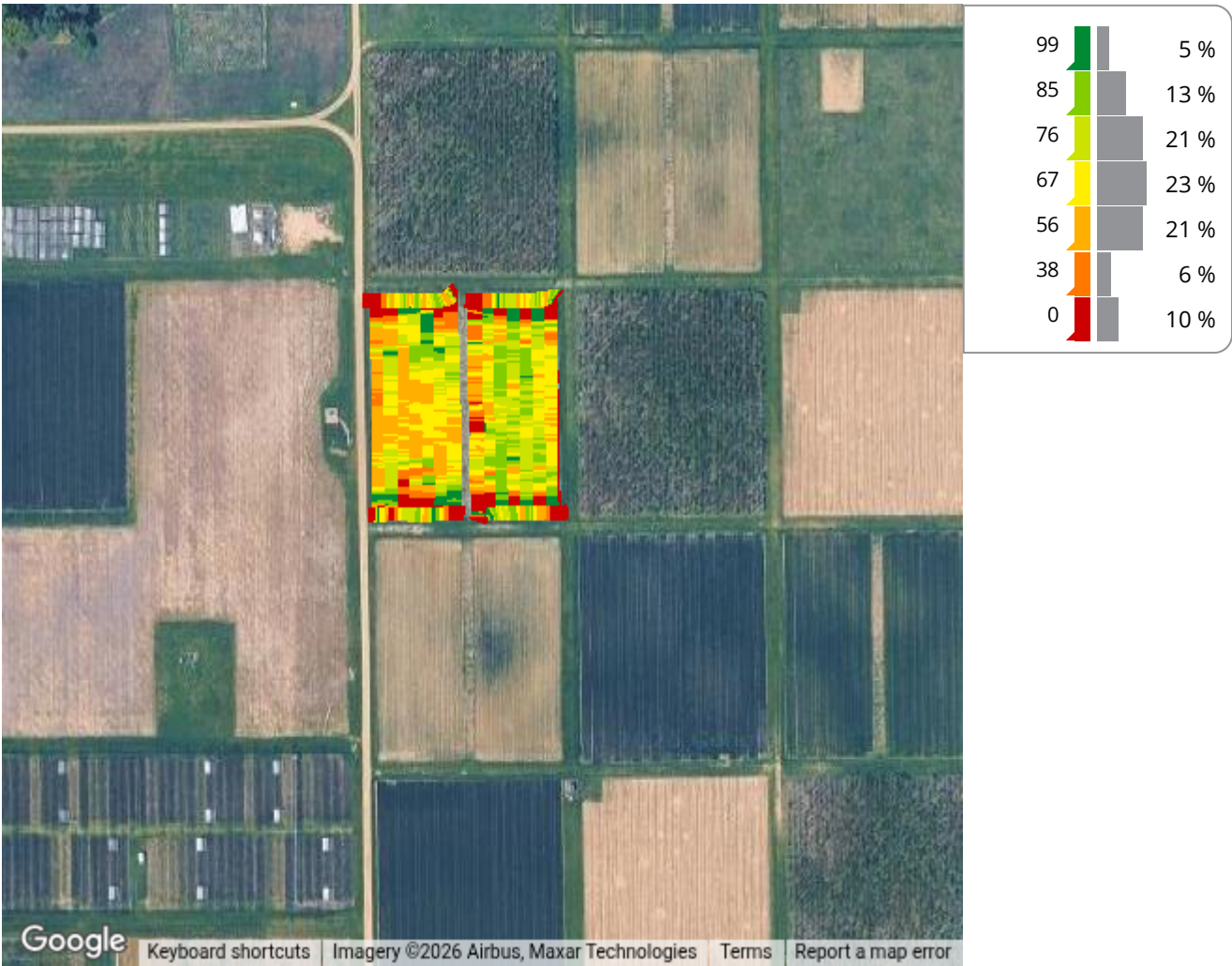
Yield: 67 bu/ac
Moisture: 11.5 %
Total Wet Weight: 9,256 lb

Performance

Harvest Time: 17 min
Productivity: 8.1 ac/hr
Throughput (Dry): 540 bu/hr
Fuel Efficiency: 54.1 bu/gal
Fuel Rate (Time): 10 gal/hr

Speed: 3.6 mi/hr
Total Fuel: 2.8 gal
Throughput (Wet): 32,384.7 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

PIONEER 25R40

Conditions

Temperature

Average: 88.4 °F
Start: 88.4 °F
End: 88.4 °F

Wind

Average: SE 2.8 mi/hr
Start: SE 2.8 mi/hr
End: SE 2.8 mi/hr

Humidity

Average: 42 %

Sky Condition

Predominant:
Partly Cloudy

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R2

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 9:51 PM
End: Jul 15, 2025 10:20 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.3 ac
Total Yield: 177 bu
Wet Weight: 4,600.3 lb/ac
Elevation: 952.5 ft

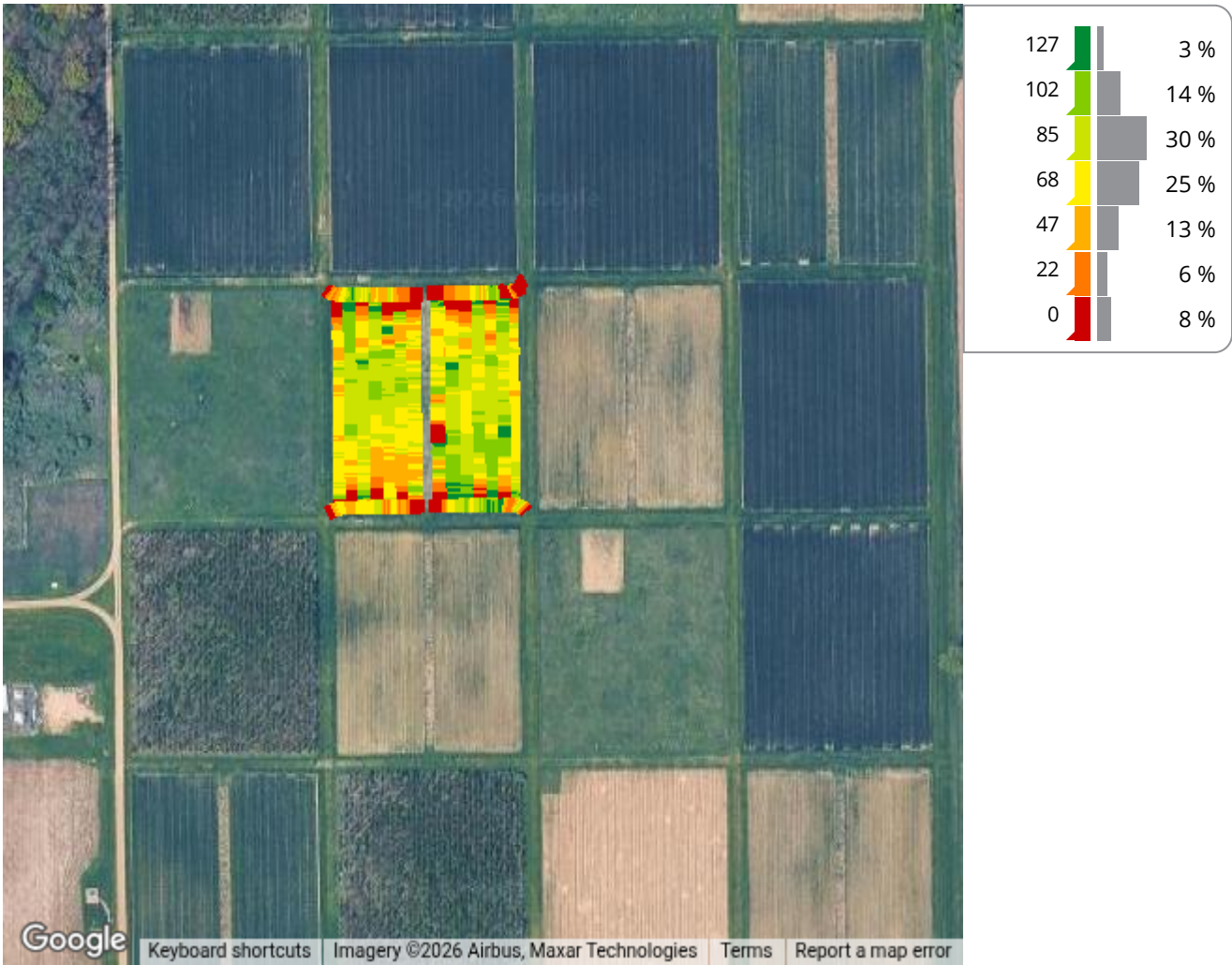
Yield: 77 bu/ac
Moisture: 11.5 %
Total Wet Weight: 10,647 lb

Performance

Harvest Time: 14 min
Productivity: 9.6 ac/hr
Throughput (Dry): 723 bu/hr
Fuel Efficiency: 66.6 bu/gal
Fuel Rate (Time): 10.9 gal/hr

Speed: 4.3 mi/hr
Total Fuel: 2.6 gal
Throughput (Wet): 43,405.6 lb/hr
Fuel Rate (Area): 1.1 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

PIONEER 25R40

Conditions

Temperature

Average: 88.4 °F
Start: 88.4 °F
End: 88.4 °F

Wind

Average: SE 2.8 mi/hr
Start: SE 2.8 mi/hr
End: SE 2.8 mi/hr

Humidity

Average: 42 %

Sky Condition

Predominant:
Partly Cloudy

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R3

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 5:27 PM
End: Jul 15, 2025 11:21 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.4 ac
Total Yield: 179 bu
Wet Weight: 4,429.8 lb/ac
Elevation: 948.4 ft

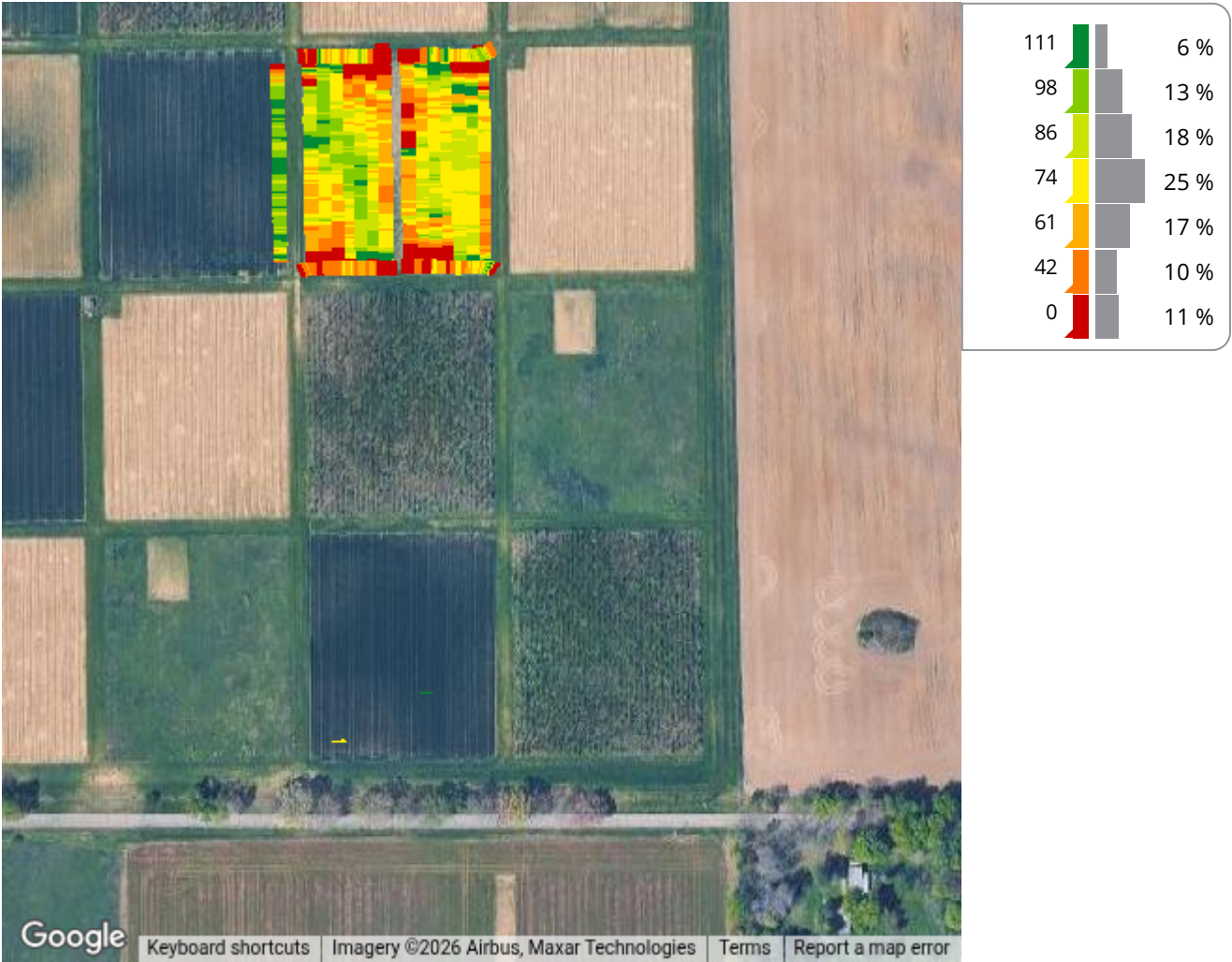
Yield: 74 bu/ac
Moisture: 11.6 %
Total Wet Weight: 10,749 lb

Performance

Harvest Time: 17 min
Productivity: 8.5 ac/hr
Throughput (Dry): 622 bu/hr
Fuel Efficiency: 60.8 bu/gal
Fuel Rate (Time): 10.2 gal/hr

Speed: 3.7 mi/hr
Total Fuel: 2.9 gal
Throughput (Wet): 37,321.8 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

--- PIONEER 25R40

Conditions

Temperature

Average: 87 °F
Start: 81.8 °F
End: 87.2 °F

Wind

Average: SE 4.4 mi/hr
Start: S 5.5 mi/hr
End: SE 4.6 mi/hr

Humidity

Average: 49.3 %

Sky Condition

Predominant: Sunny

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R4

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 9:37 PM
End: Jul 15, 2025 11:51 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.3 ac
Total Yield: 171 bu
Wet Weight: 4,516.1 lb/ac
Elevation: 952.6 ft

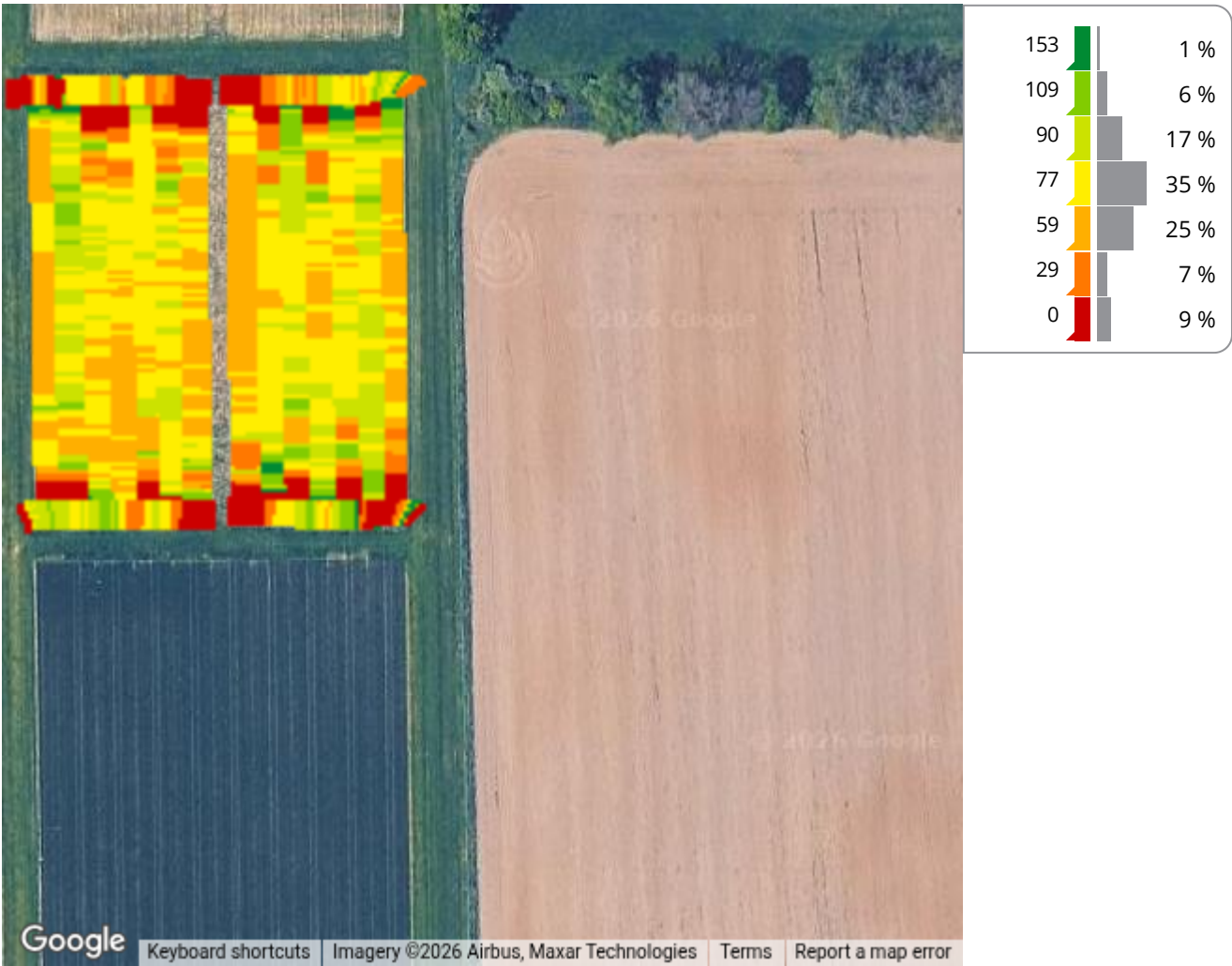
Yield: 75 bu/ac
Moisture: 11.6 %
Total Wet Weight: 10,261 lb

Performance

Harvest Time: 16 min
Productivity: 8.4 ac/hr
Throughput (Dry): 626 bu/hr
Fuel Efficiency: 60.3 bu/gal
Fuel Rate (Time): 10.4 gal/hr

Speed: 3.7 mi/hr
Total Fuel: 2.8 gal
Throughput (Wet): 37,538.9 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

PIONEER 25R40

Conditions

Temperature

Average: 87.4 °F
Start: 88.4 °F
End: 87.2 °F

Wind

Average: SE 4.4 mi/hr
Start: SE 2.8 mi/hr
End: SE 4.6 mi/hr

Humidity

Average: 48.9 %

Sky Condition

Predominant: Sunny

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R5

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 9:43 PM
End: Jul 16, 2025 12:55 AM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.3 ac
Total Yield: 166 bu
Wet Weight: 4,316.3 lb/ac
Elevation: 954.4 ft

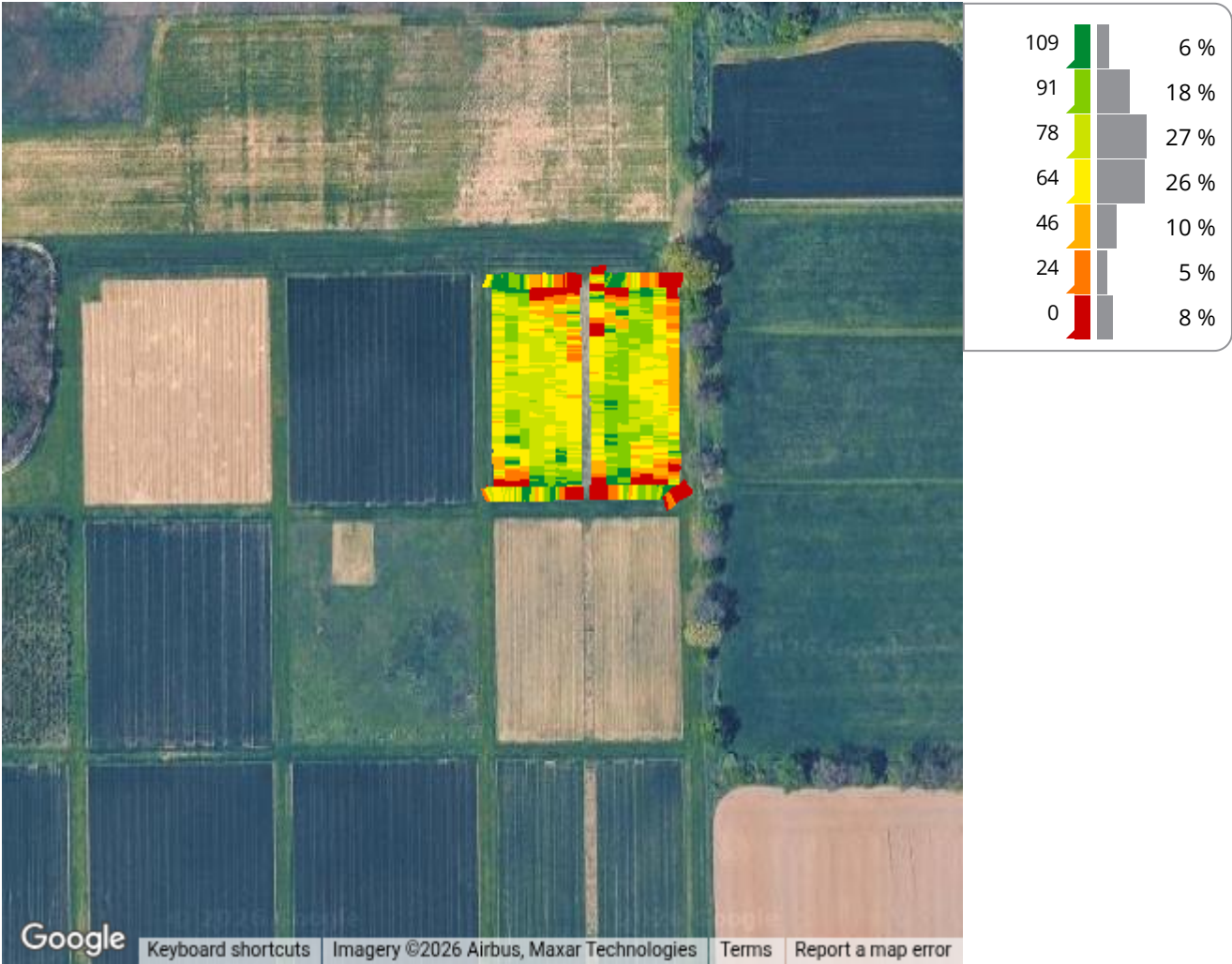
Yield: 72 bu/ac
Moisture: 12 %
Total Wet Weight: 9,966 lb

Performance

Harvest Time: 16 min
Productivity: 8.2 ac/hr
Throughput (Dry): 580 bu/hr
Fuel Efficiency: 59.2 bu/gal
Fuel Rate (Time): 9.8 gal/hr

Speed: 3.5 mi/hr
Total Fuel: 2.8 gal
Throughput (Wet): 34,831.7 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

PIONEER 25R40

Conditions

Temperature

Average: 84.2 °F
Start: 88.4 °F
End: 83.5 °F

Wind

Average: SE 2.2 mi/hr
Start: SE 2.8 mi/hr
End: SE 2.1 mi/hr

Humidity

Average: 59.3 %

Sky Condition

Predominant: Sunny

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R6

Michigan State University at KBS | LTER Main Site

Start: Jul 23, 2025 7:39 PM

Operator Name: J Simmons

End: Jul 23, 2025 7:40 PM

Work Totals

Area Harvested: 0 ac

Total Yield: 0 bu

Wet Weight: 1,423.1 lb/ac

Elevation: 941.5 ft

Yield: 24 bu/ac

Moisture: 13.3 %

Total Wet Weight: 19 lb

Performance

Harvest Time: 0 min

Productivity: 5.8 ac/hr

Throughput (Dry): 137 bu/hr

Fuel Efficiency: 13.2 bu/gal

Fuel Rate (Time): 10.4 gal/hr

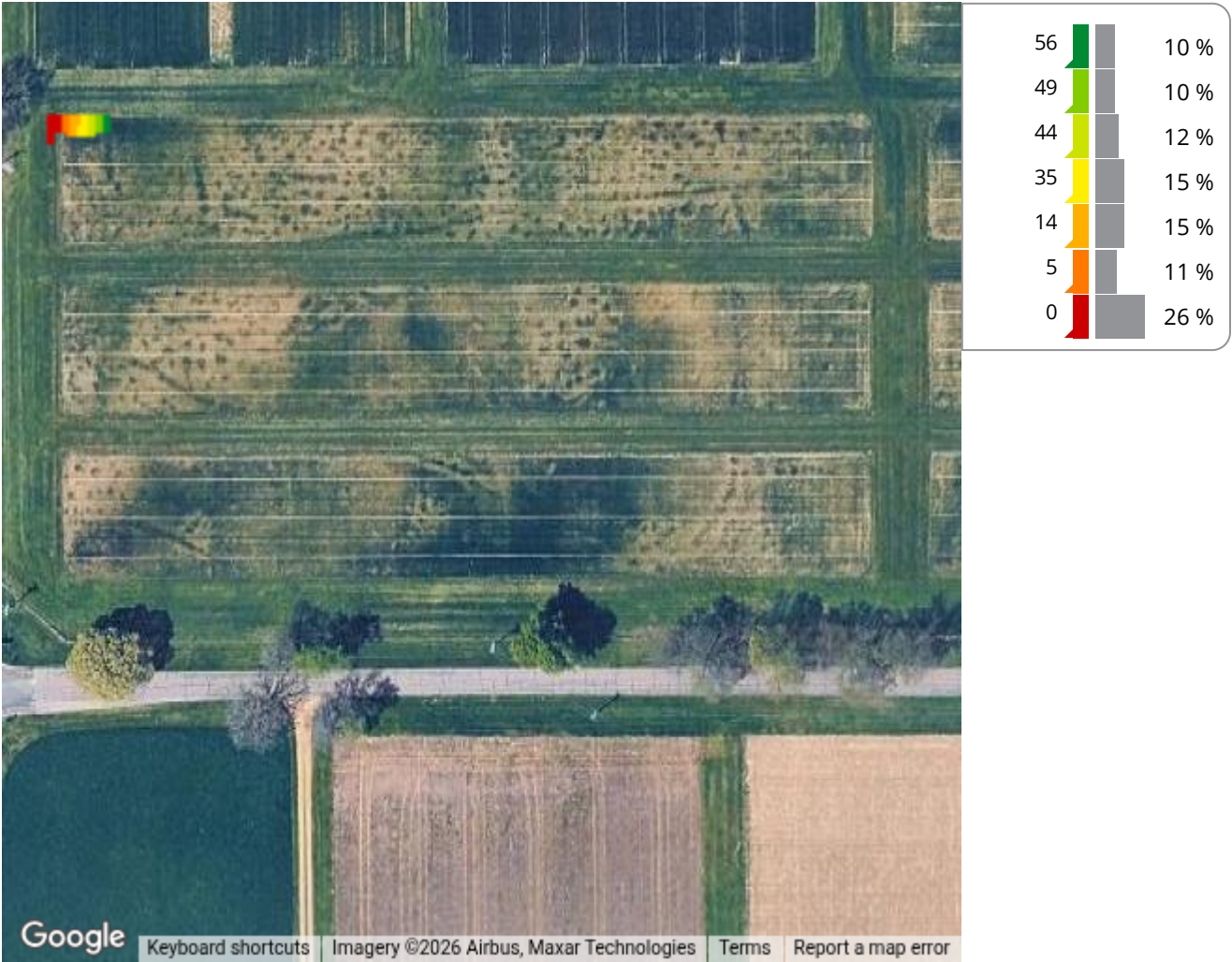
Speed: 3.7 mi/hr

Total Fuel: 0 gal

Throughput (Wet): 8,231.2 lb/hr

Fuel Rate (Area): 1.8 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

PIONEER 25R40

Conditions

Temperature

Average: 84.3 °F
Start: 84.3 °F
End: 84.3 °F

Wind

Average: S 9.5 mi/hr
Start: S 9.5 mi/hr
End: S 9.5 mi/hr

Humidity

Average: 55 %

Sky Condition

Predominant: Sunny

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T3R6

Michigan State University at KBS | LTER Main Site

Start: Jul 14, 2025 7:11 PM
End: Jul 16, 2025 12:24 AM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.5 ac
Total Yield: 176 bu
Wet Weight: 4,301.8 lb/ac
Elevation: 945.1 ft

Yield: 72 bu/ac
Moisture: 11.8 %
Total Wet Weight: 10,559 lb

Performance

Harvest Time: 17 min
Productivity: 8.6 ac/hr
Throughput (Dry): 606 bu/hr
Fuel Efficiency: 58.5 bu/gal
Fuel Rate (Time): 10.4 gal/hr

Speed: 3.7 mi/hr
Total Fuel: 3 gal
Throughput (Wet): 36,369.2 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

--- PIONEER 25R40

Conditions

Temperature

Average: 87.3 °F
Start: 90 °F
End: 87.2 °F

Wind

Average: SE 4.3 mi/hr
Start: SW 11 mi/hr
End: SE 4.6 mi/hr

Humidity

Average: 48.4 %

Sky Condition

Predominant: Sunny

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry