

2025 Harvest: Wheat (Soft Red Winter)



Field: T1R1

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 4:34 PM
End: Jul 15, 2025 5:04 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 1.9 ac
Total Yield: 196 bu
Wet Weight: 6,327 lb/ac
Elevation: 961.1 ft

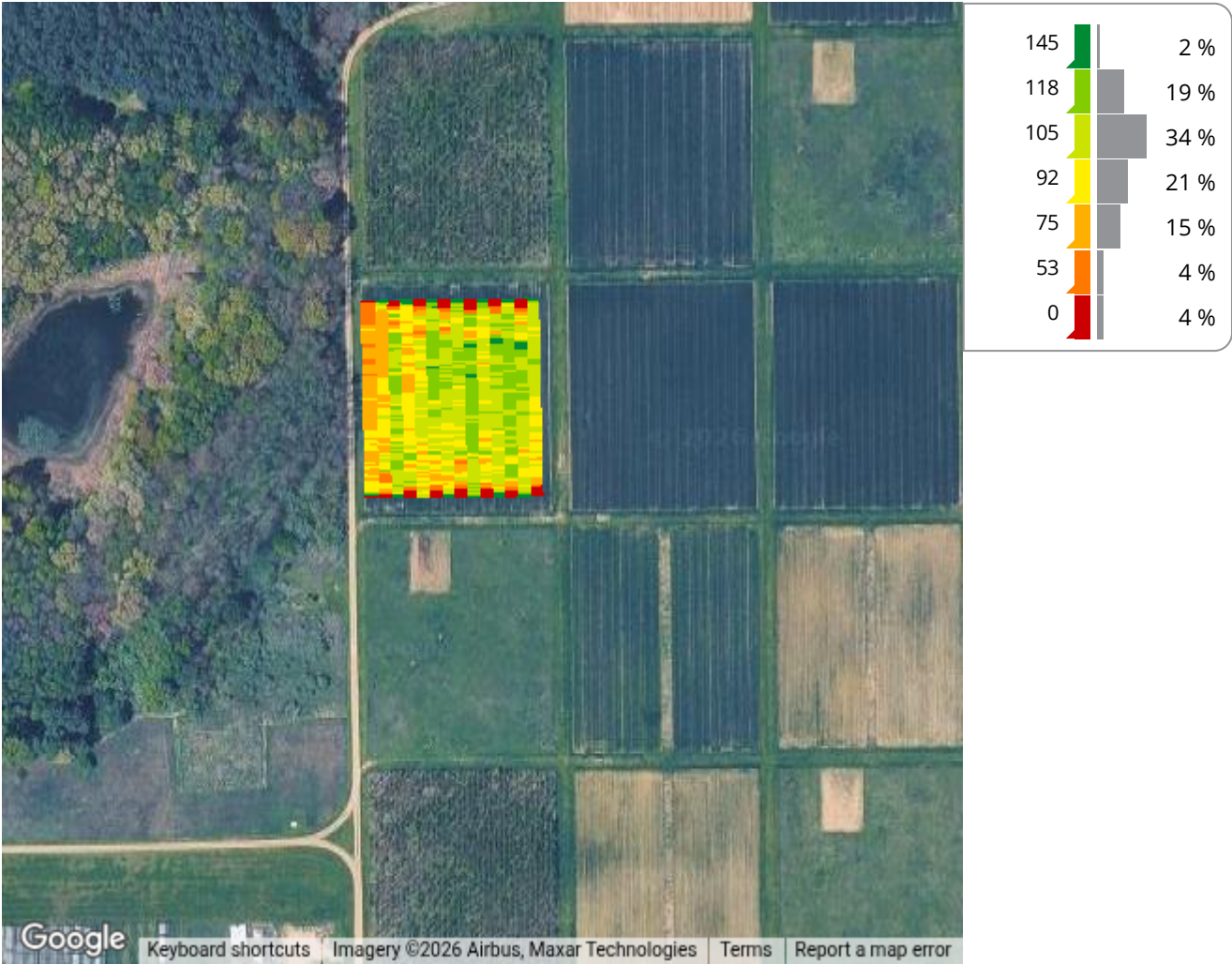
Yield: 103 bu/ac
Moisture: 14.9 %
Total Wet Weight: 12,017 lb

Performance

Harvest Time: 12 min
Productivity: 9 ac/hr
Throughput (Dry): 927 bu/hr
Fuel Efficiency: 88.7 bu/gal
Fuel Rate (Time): 10.5 gal/hr

Speed: 3.8 mi/hr
Total Fuel: 2.2 gal
Throughput (Wet): 56,884.7 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

Conditions

Temperature

Average: 81.8 °F
Start: 81.8 °F
End: 81.8 °F

Wind

Average: S 5.5 mi/hr
Start: W 5.5 mi/hr
End: S 5.5 mi/hr

Humidity

Average: 53 %

Sky Condition

Predominant:
Partly Cloudy

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T1R2

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 6:04 PM

End: Jul 15, 2025 6:24 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 1.8 ac

Total Yield: 207 bu

Wet Weight: 6,993.4 lb/ac

Elevation: 948.7 ft

Yield: 116 bu/ac

Moisture: 13.2 %

Total Wet Weight: 12,439 lb

Performance

Harvest Time: 11 min

Productivity: 9.3 ac/hr

Throughput (Dry): 1,079 bu/hr

Fuel Efficiency: 107 bu/gal

Fuel Rate (Time): 10.1 gal/hr

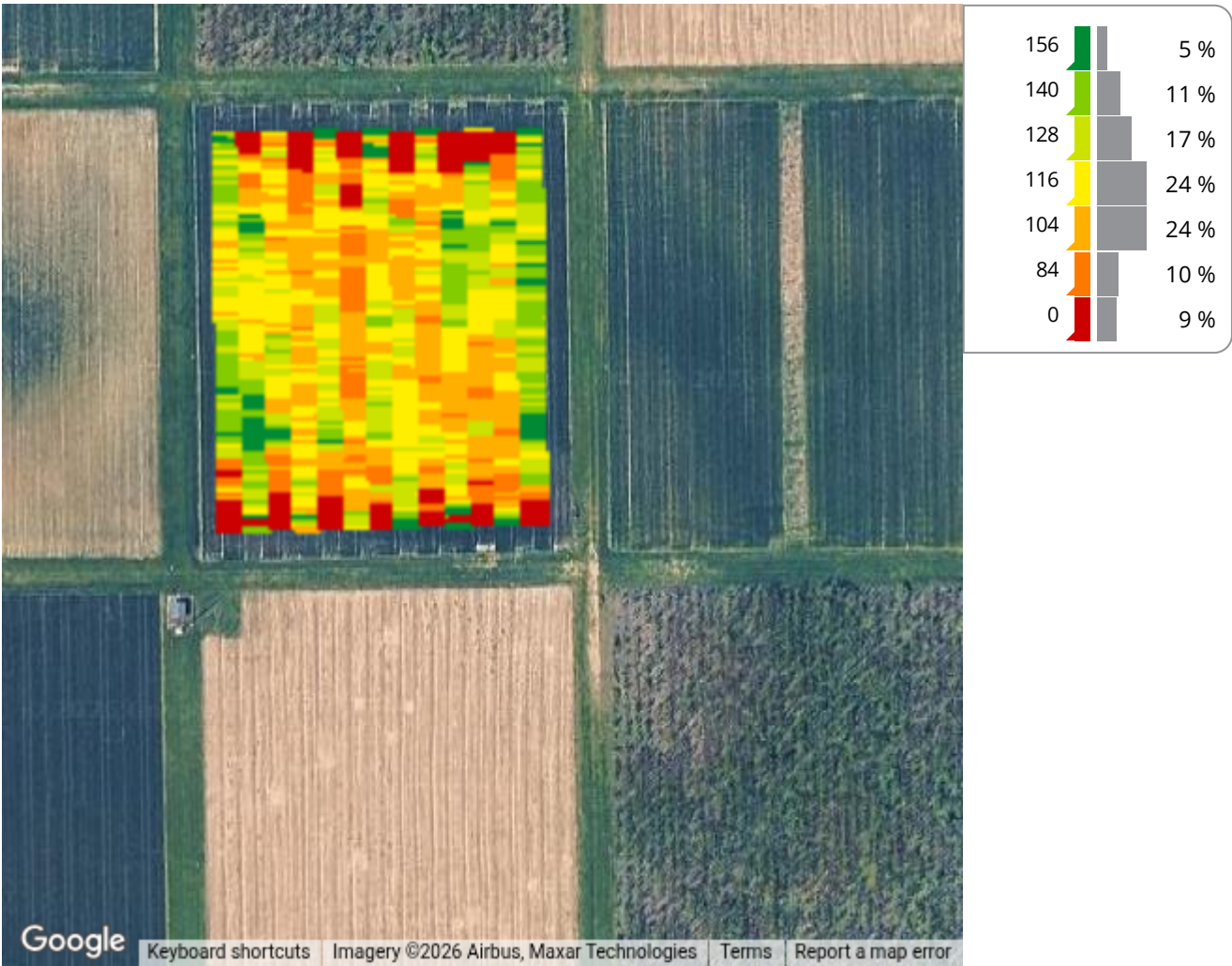
Speed: 3.9 mi/hr

Total Fuel: 1.9 gal

Throughput (Wet): 64,901.1 lb/hr

Fuel Rate (Area): 1.1 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

Conditions

Temperature

Average: 81.8 °F
Start: 81.8 °F
End: 81.8 °F

Wind

Average: S 5.5 mi/hr
Start: S 5.5 mi/hr
End: S 5.5 mi/hr

Humidity

Average: 53 %

Sky Condition

Predominant:
Partly Cloudy

Soil Temperature

Average: 75.4 °F

Soil Moisture

Predominant: Dry

2025 Harvest: Wheat (Soft Red Winter)



Field: T1R3

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 5:18 PM
End: Jul 15, 2025 5:47 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 1.9 ac
Total Yield: 212 bu
Wet Weight: 6,819.6 lb/ac
Elevation: 941.5 ft

Yield: 113 bu/ac
Moisture: 13.6 %
Total Wet Weight: 12,796 lb

Performance

Harvest Time: 13 min
Productivity: 8.4 ac/hr
Throughput (Dry): 949 bu/hr
Fuel Efficiency: 94.9 bu/gal
Fuel Rate (Time): 10 gal/hr

Speed: 3.6 mi/hr
Total Fuel: 2.2 gal
Throughput (Wet): 57,360 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

Conditions

Temperature	Wind	Humidity	Sky Condition
Average: 81.8 °F	Average: S 5.5 mi/hr	Average: 53 %	Predominant:
Start: 81.8 °F	Start: S 5.5 mi/hr		Partly Cloudy
End: 81.8 °F	End: S 5.5 mi/hr		
Soil Temperature	Soil Moisture		
Average: 75.4 °F	Predominant: Dry		

2025 Harvest: Wheat (Soft Red Winter)



Field: T1R4

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 6:49 PM
End: Jul 15, 2025 7:11 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 1.9 ac
Total Yield: 205 bu
Wet Weight: 6,625.7 lb/ac
Elevation: 949.5 ft

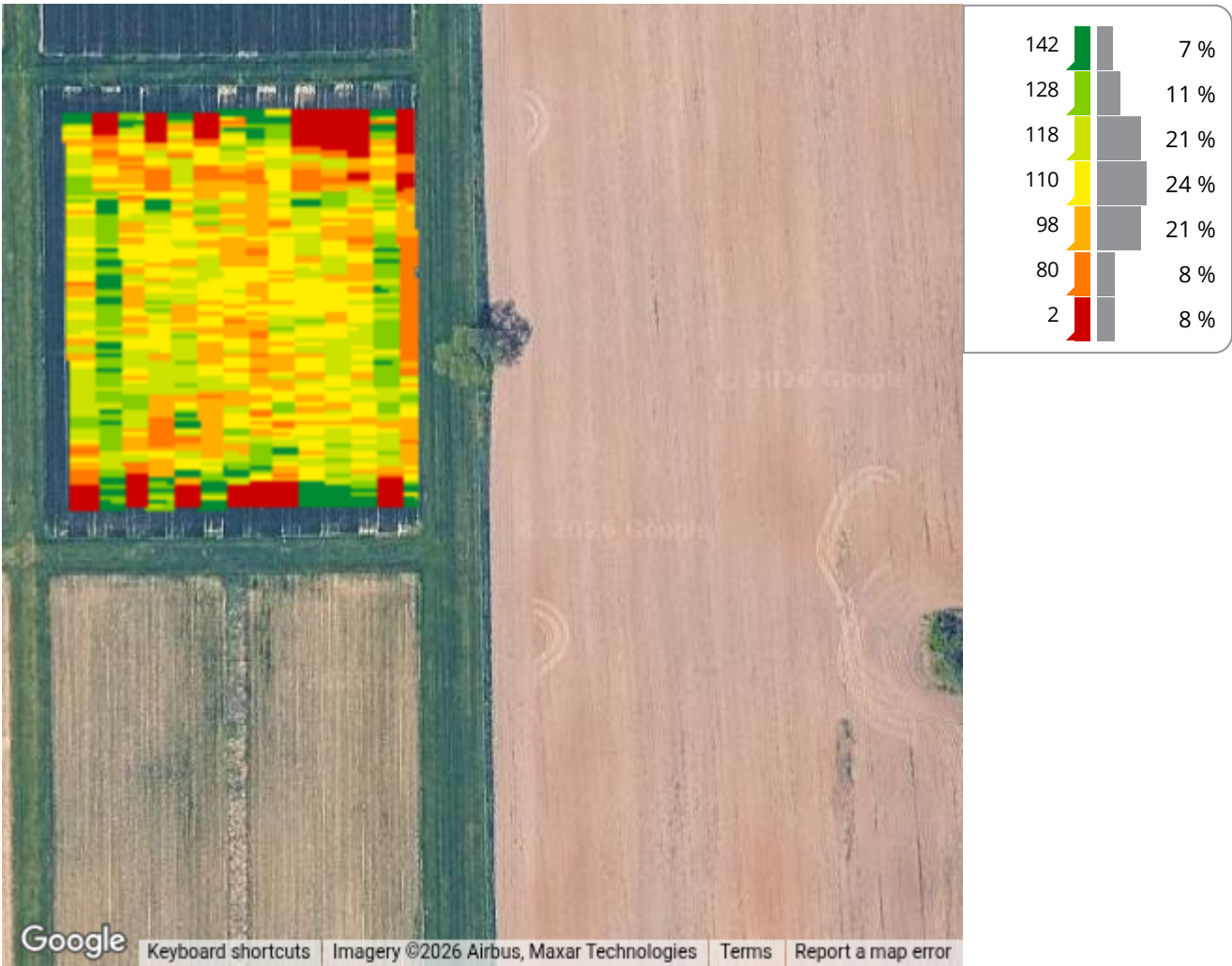
Yield: 110 bu/ac
Moisture: 12.7 %
Total Wet Weight: 12,320 lb

Performance

Harvest Time: 12 min
Productivity: 9.1 ac/hr
Throughput (Dry): 1,003 bu/hr
Fuel Efficiency: 98.3 bu/gal
Fuel Rate (Time): 10.2 gal/hr

Speed: 3.9 mi/hr
Total Fuel: 2.1 gal
Throughput (Wet): 60,214.2 lb/hr
Fuel Rate (Area): 1.1 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

Conditions

Temperature	Wind	Humidity	Sky Condition
Average: 85.6 °F	Average: SW 3.4 mi/hr	Average: 44 %	Predominant:
Start: 85.6 °F	Start: SW 3.4 mi/hr		Partly Cloudy
End: 85.6 °F	End: SW 3.4 mi/hr		
Soil Temperature	Soil Moisture		
Average: 75.4 °F	Predominant: Dry		

2025 Harvest: Wheat (Soft Red Winter)



Field: T1R5

Michigan State University at KBS | LTER Main Site

Start: Jul 14, 2025 7:37 PM
End: Jul 15, 2025 7:57 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 2.5 ac
Total Yield: 247 bu
Wet Weight: 6,035.5 lb/ac
Elevation: 961.9 ft

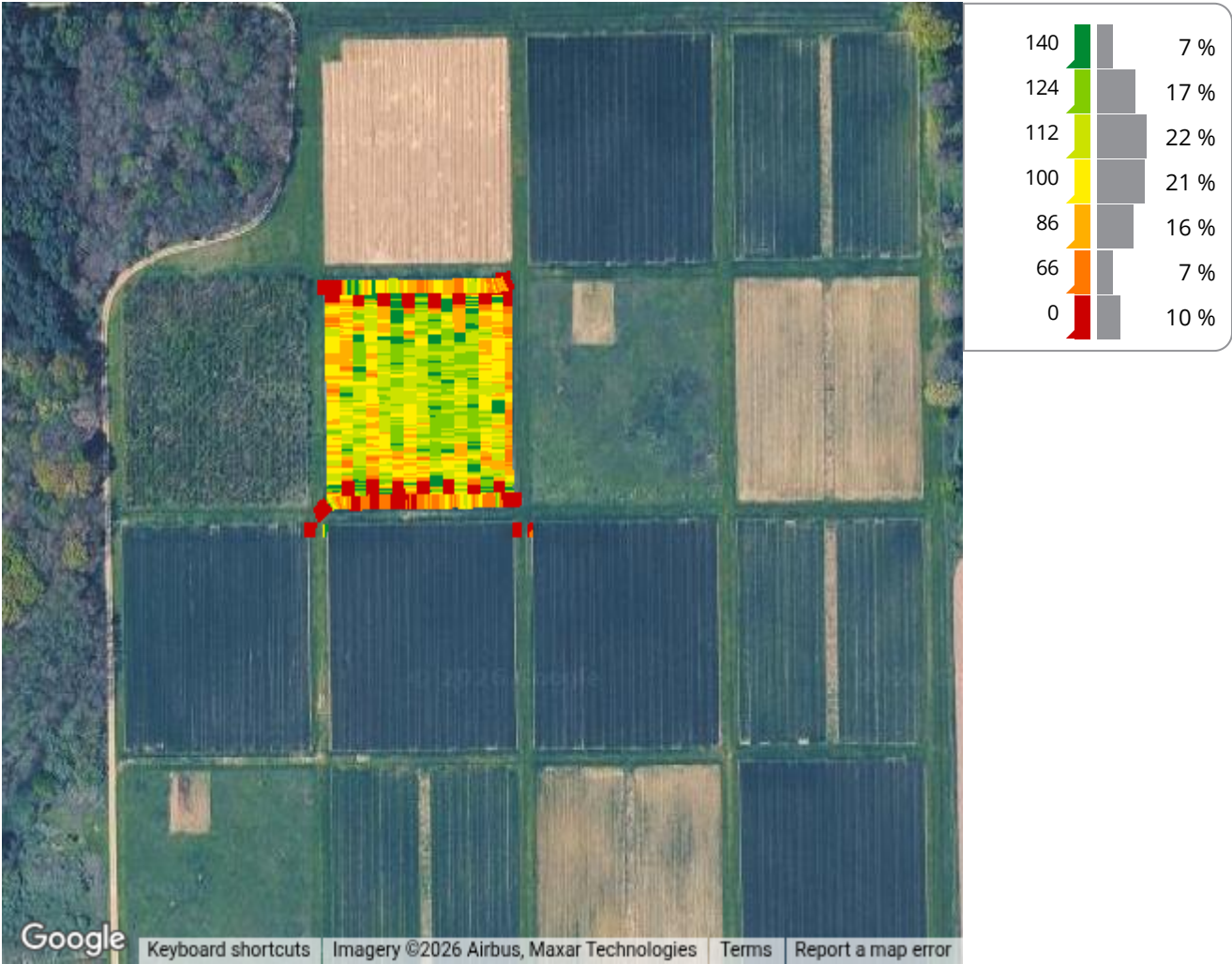
Yield: 101 bu/ac
Moisture: 12.4 %
Total Wet Weight: 14,804 lb

Performance

Harvest Time: 18 min
Productivity: 7.7 ac/hr
Throughput (Dry): 775 bu/hr
Fuel Efficiency: 82.4 bu/gal
Fuel Rate (Time): 9.4 gal/hr

Speed: 3.3 mi/hr
Total Fuel: 3 gal
Throughput (Wet): 46,527.8 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

--- PIONEER 25R40

Conditions

Temperature	Wind	Humidity	Sky Condition
Average: 86.1 °F	Average: SW 4.3 mi/hr	Average: 44.8 %	Predominant:
Start: 90 °F	Start: SW 11 mi/hr		Partly Cloudy
End: 85.6 °F	End: SW 3.4 mi/hr		
Soil Temperature	Soil Moisture		
Average: 75.4 °F	Predominant: Dry		

2025 Harvest: Wheat (Soft Red Winter)



Field: T1R6

Michigan State University at KBS | LTER Main Site

Start: Jul 15, 2025 8:15 PM
End: Jul 15, 2025 8:39 PM

Operator Name: J Simmons

Work Totals

Area Harvested: 1.9 ac
Total Yield: 207 bu
Wet Weight: 6,671.8 lb/ac
Elevation: 948.7 ft

Yield: 111 bu/ac
Moisture: 11.8 %
Total Wet Weight: 12,414 lb

Performance

Harvest Time: 12 min
Productivity: 8.6 ac/hr
Throughput (Dry): 955 bu/hr
Fuel Efficiency: 92.9 bu/gal
Fuel Rate (Time): 10.3 gal/hr

Speed: 3.7 mi/hr
Total Fuel: 2.2 gal
Throughput (Wet): 57,336.9 lb/hr
Fuel Rate (Area): 1.2 gal/ac

Map: Yield



Equipment

MSUKELLOGG1H0S660SCF0785074 1H0S660SCF0785074

Varieties

Conditions

Temperature	Wind	Humidity	Sky Condition
Average: 86.7 °F	Average: SE 3.6 mi/hr	Average: 42 %	Predominant:
Start: 86.7 °F	Start: SW 3.6 mi/hr		Partly Cloudy
End: 86.7 °F	End: SE 3.6 mi/hr		
Soil Temperature	Soil Moisture		
Average: 75.4 °F	Predominant: Dry		