Hurricane Isaias Event Report

USDA NASS Disaster Monitoring Team
Report last updated: October 23, 2026

https://www.nass.usda.gov/Research_and_Science/Disaster-Analysis/index.php

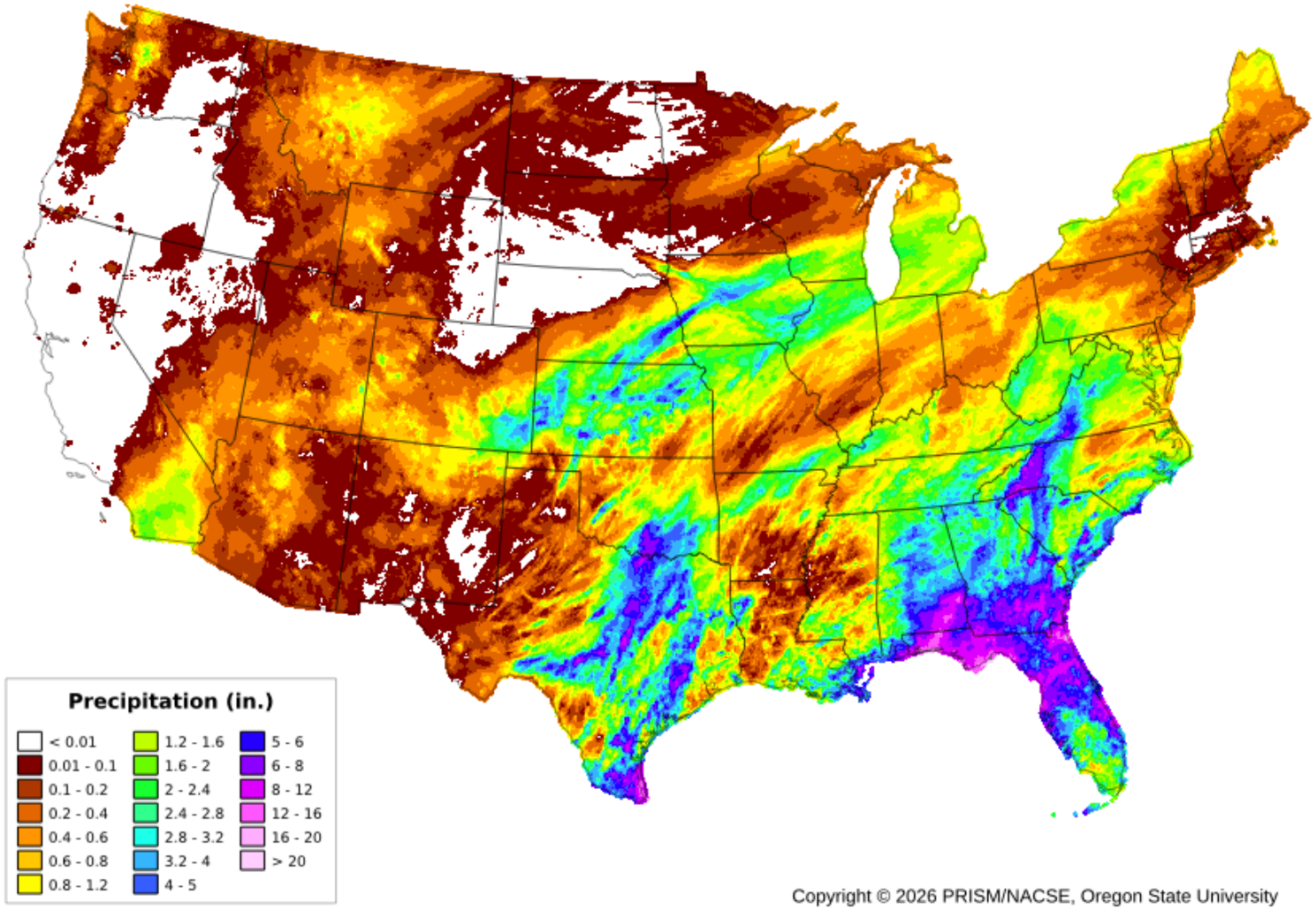
Hurricane Isaias
Event Summary

- October 8, 2026: Hurricane Isaias became a Category 2 hurricane reaching 105 mph sustained winds, shortly before landfall.
- October 9, 2026: Hurricane Isaias made landfall near Destin, Florida.
- October 10, 2026: Transitioned to post-tropical storm over southern Alabama.

- Late-season arrival came amid harvest for cotton, peanuts, soybeans, pecans, and other row crops.
- Producers faced flooding, high winds, and field access issues, with potential for harvest disruption and crop loss.

October 8, 2026 1:11pm, Hurricane Isaias over the Gulf of America. **Image Source:** NOAA

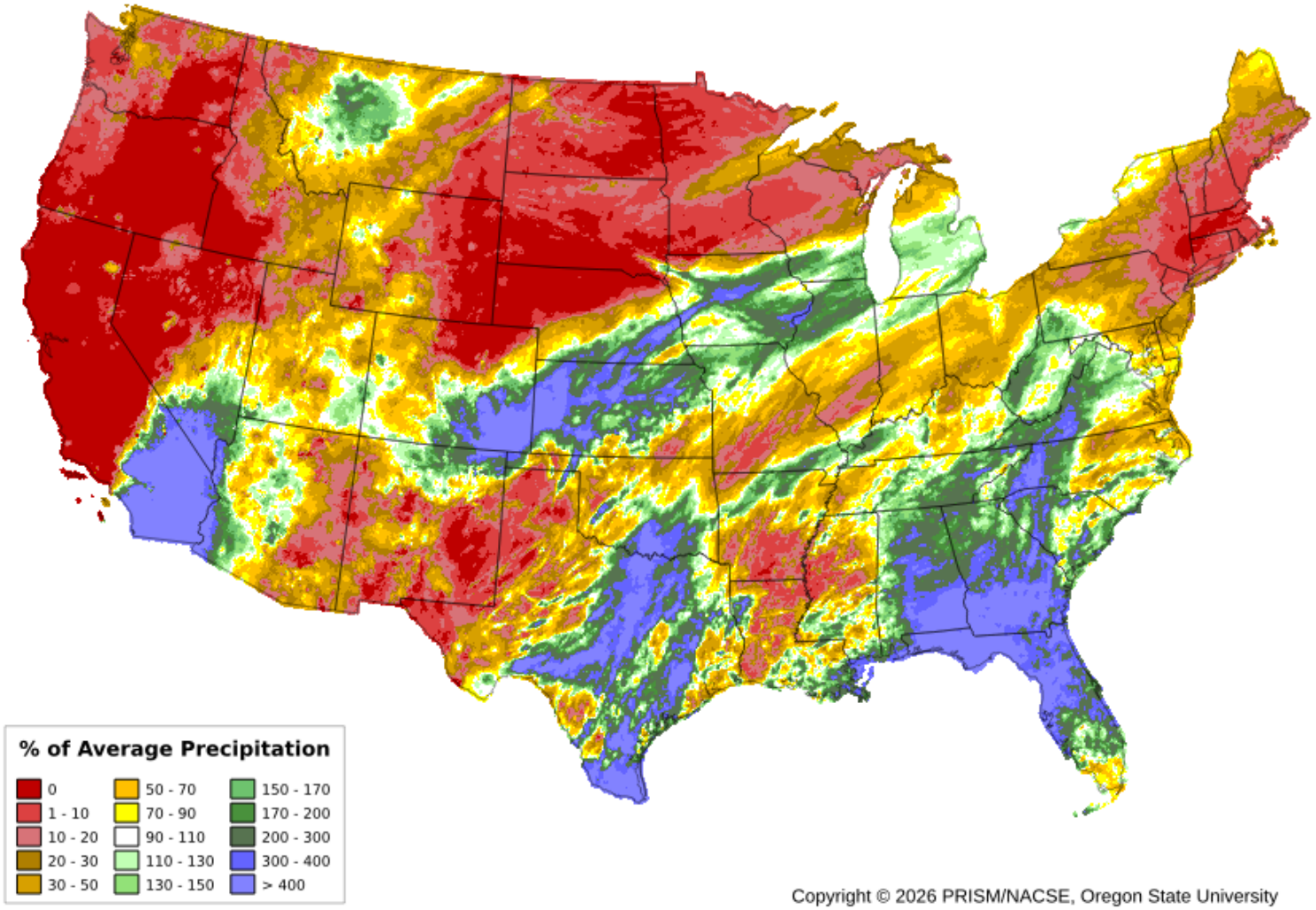
Total Precipitation Month-to-Date: October 1–11, 2026



Total Precipitation from October 1–11, 2026 (period ending 7am).

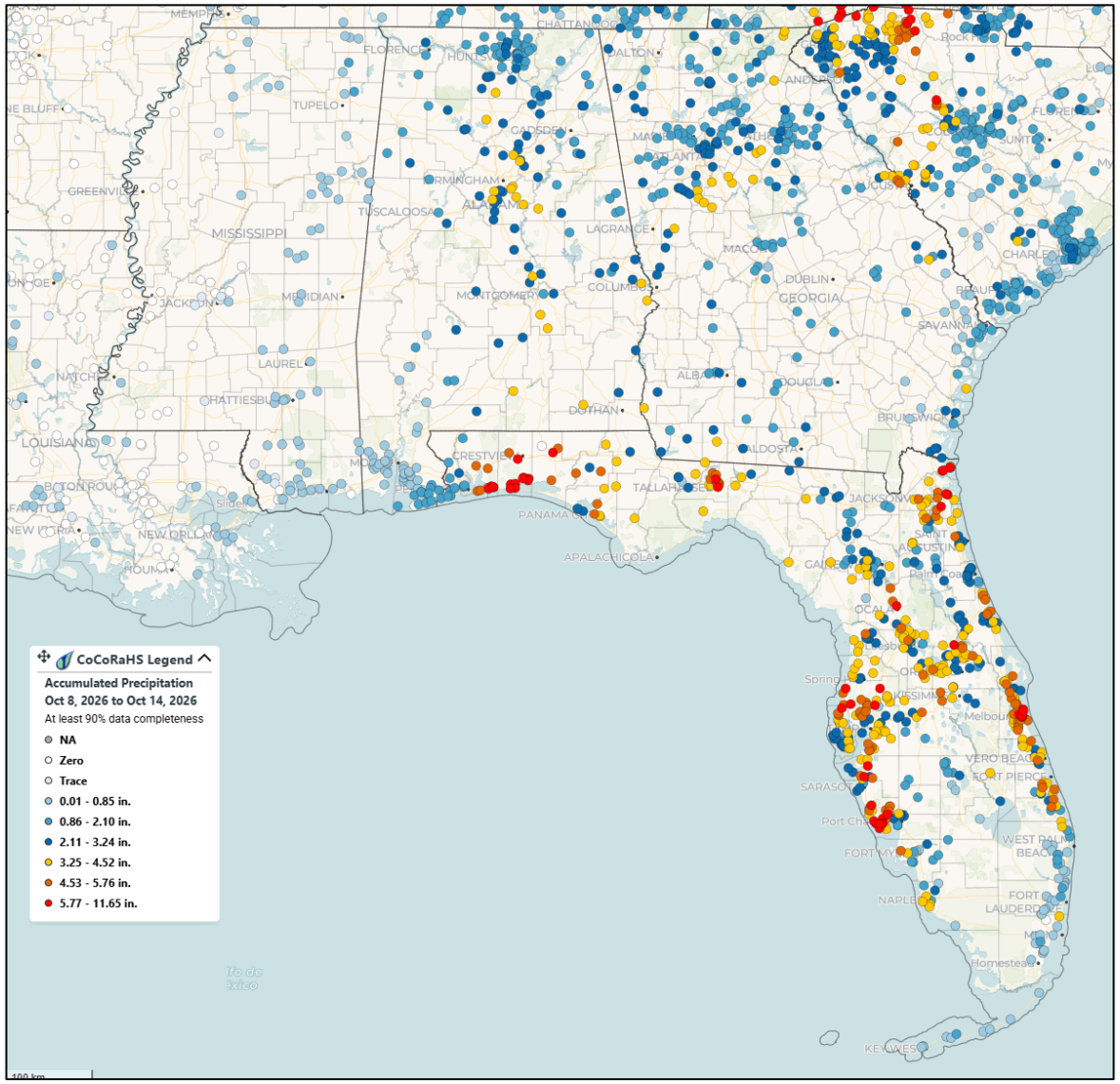
Credit: PRISM/Northwest Alliance for Computational Science and Engineering, Oregon State University

Total Precipitation Anomaly Month-to-Date: October 1–11, 2026



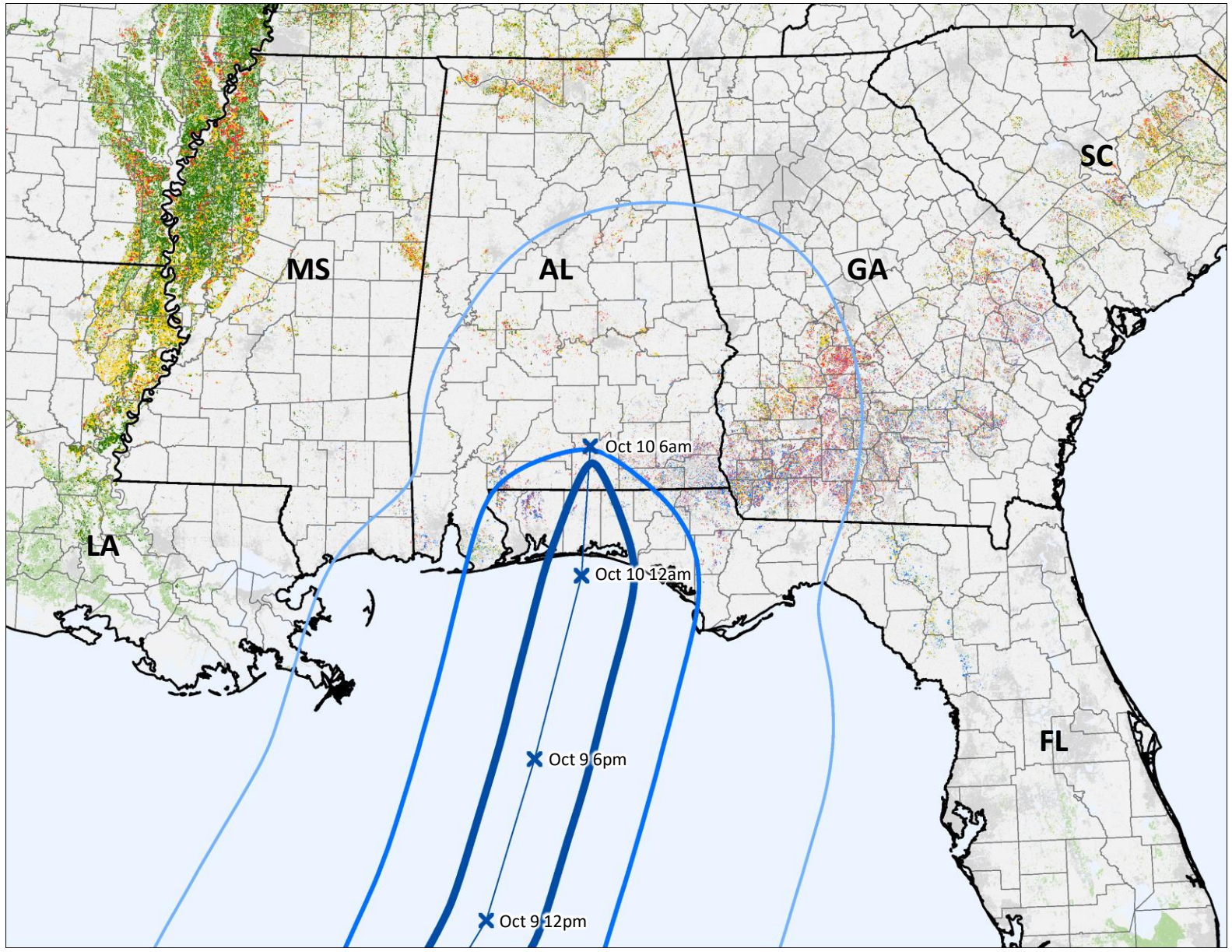
Total Precipitation Anomaly from October 1–11, 2026 (period ending 7am).
Anomalies show how observed values deviate from the 30-year normals (long-term averages).
Credit: PRISM/Northwest Alliance for Computational Science and Engineering, Oregon State University

CoCoRaHS Accumulated Precipitation Data October 8–14, 2026



Accumulated Precipitation from October 8–14, 2026. **Credit:** [CoCoRaHS Mapping System]

NOAA Hurricane Windspeeds – October 10, 2026



Credit: [NOAA National Hurricane Center and Central Pacific Hurricane Center] Hurricane Windspeeds – October 10, 2026, and the 2025 [Cropland Data Layer].

NOAA Hurricane Windspeeds – October 10, 2026

Alabama				
	Statewide Total Acres (2025)*	Percent within 64+ knots†	Percent within 50+ knots†	Percent within 34+ knots†
Corn	345,000	0.3%	4.6%	39.5%
Soybeans	295,000	0.2%	3.9%	24.7%
Cotton	290,000	1.4%	8.2%	63.9%
Peanuts	195,000	1.4%	16.3%	99.5%
Oats	N/A	2.4%	24.1%	97.6%
Sorghum	N/A	0.4%	8.1%	86.0%
Pecans	N/A	3.5%	11.7%	95.3%

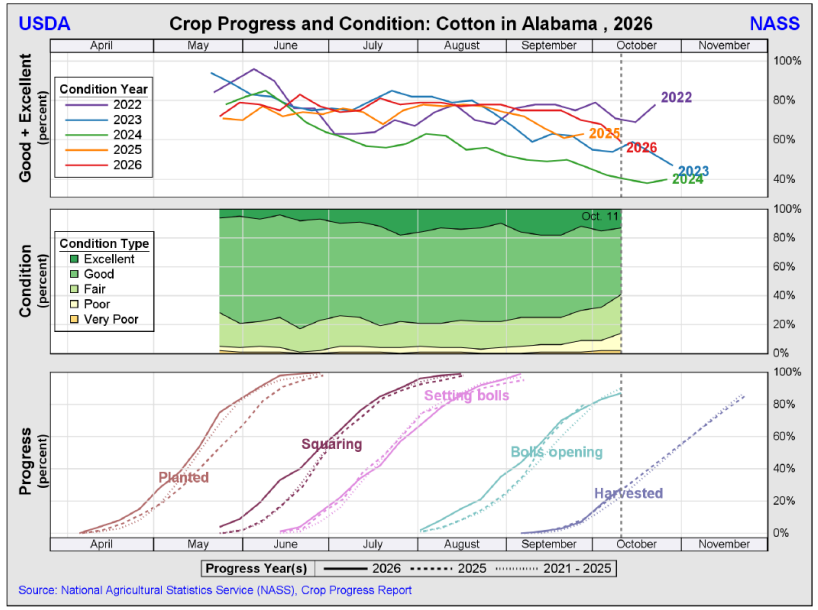
Georgia				
	Statewide Total Acres (2025)*	Percent within 64+ knots†	Percent within 50+ knots†	Percent within 34+ knots†
Corn	550,000	N/A	N/A	47.3%
Soybeans	155,000	N/A	N/A	36.0%
Cotton	835,000	N/A	N/A	53.9%
Peanuts	915,000	N/A	N/A	50.1%
Oats	85,000	N/A	N/A	42.7%
Sorghum	N/A	N/A	N/A	46.4%
Pecans	145,000	N/A	N/A	54.1%

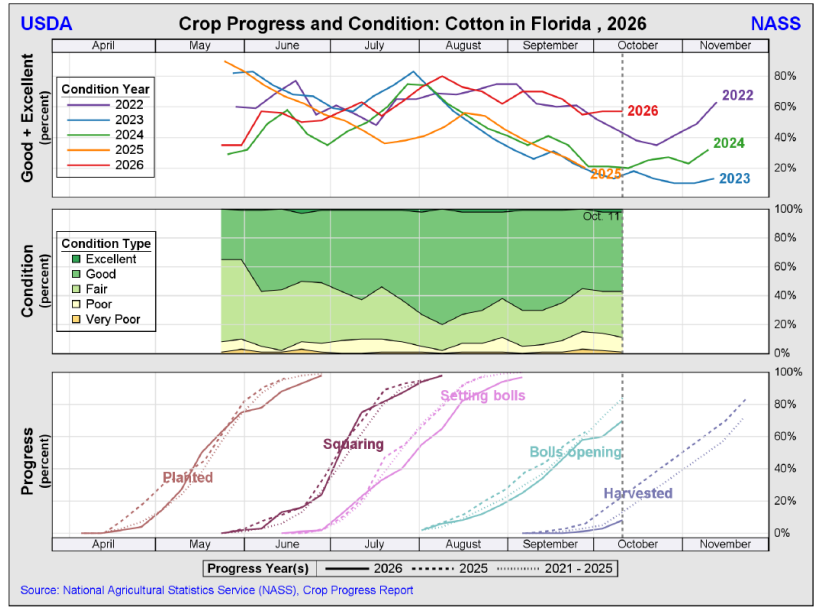
*Total statewide acres based on 2025 NASS official estimates for planted acres (corn, soybeans, cotton, peanuts, oats, and sorghum) and bearing acres (pecans), downloaded on October 20, 2026.

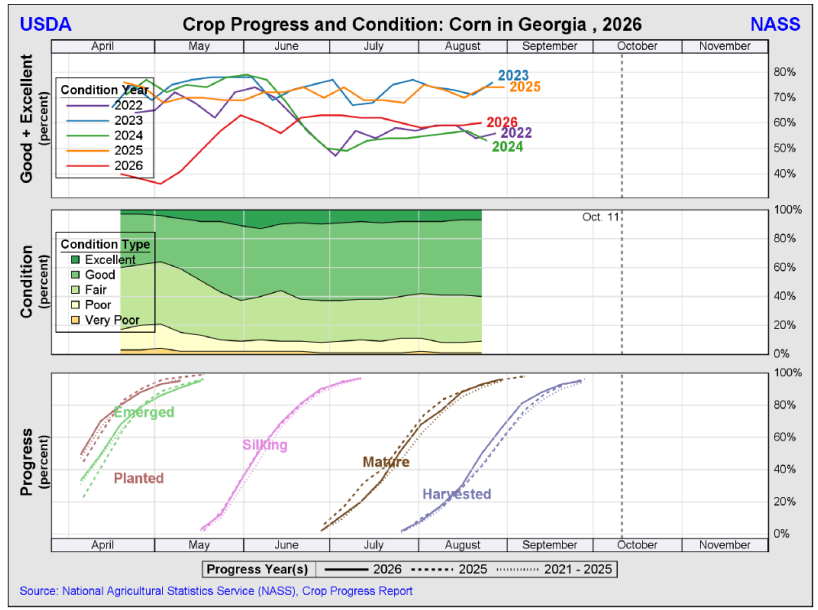
†Percentages based on raw pixel counts from the 2025 10m Cropland Data Layer and are not official NASS estimates. Estimates of potential cropland affected by hurricane winds may be different than these estimates indicate. Hurricane preliminary best track wind swath data obtained from the NOAA National Hurricane Center.

Florida				
	Statewide Total Acres (2025)*	Percent within 64+ knots†	Percent within 50+ knots†	Percent within 34+ knots†
Corn	85,000	1.5%	20.7%	44.4%
Soybeans	N/A	4.4%	37.7%	68.6%
Cotton	61,000	4.2%	38.9%	91.8%
Peanuts	177,000	2.3%	27.0%	63.5%
Oats	N/A	3.6%	12.8%	66.9%
Sorghum	N/A	2.4%	12.4%	73.3%
Pecans	N/A	14.5%	30.4%	65.3%

Cotton Crop Progress & Condition – October 11, 2026

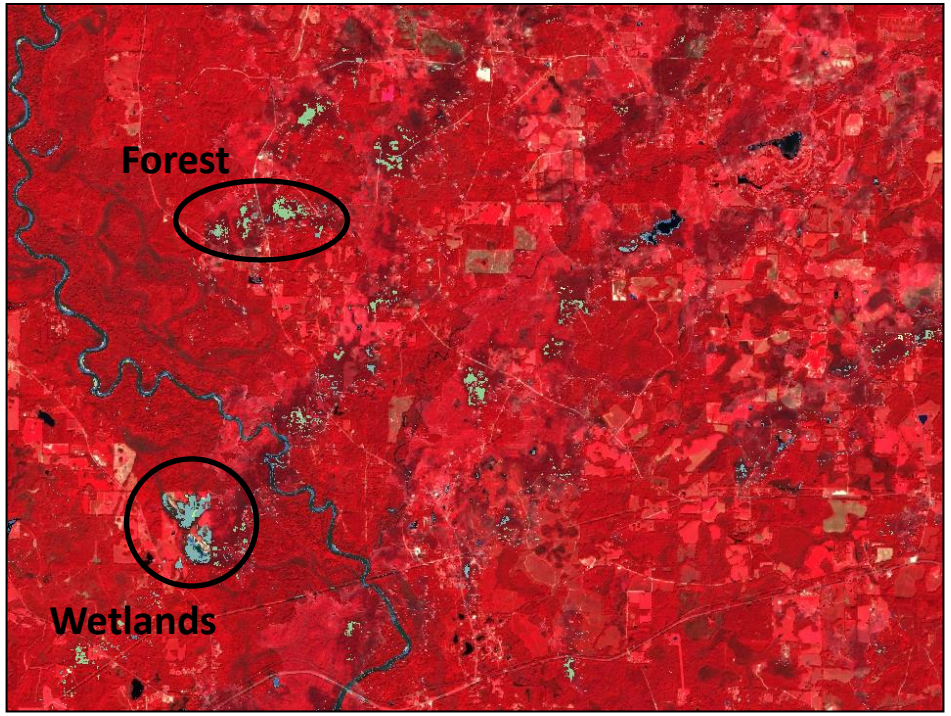






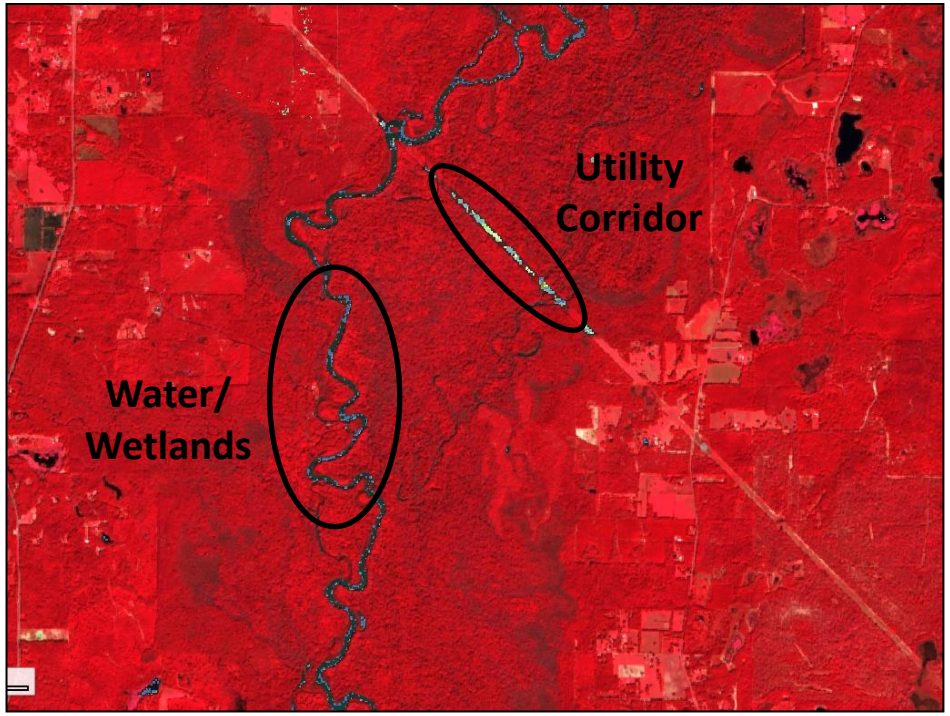
Inundation Analysis – No Significant Crop Inundation Detected

No significant crop inundation was detected from SAR and optical imagery from October 9 through 19, 2026 within the path of Hurricane Isaias. Most anomalies detected in croplands from SAR images were due to harvest, not flooding. The majority of flooded areas were wetlands, riverbanks, and some roads.



Post-Event: Sentinel-2 SR median composite (Oct 9–19, 2026)

Holmes County, Florida



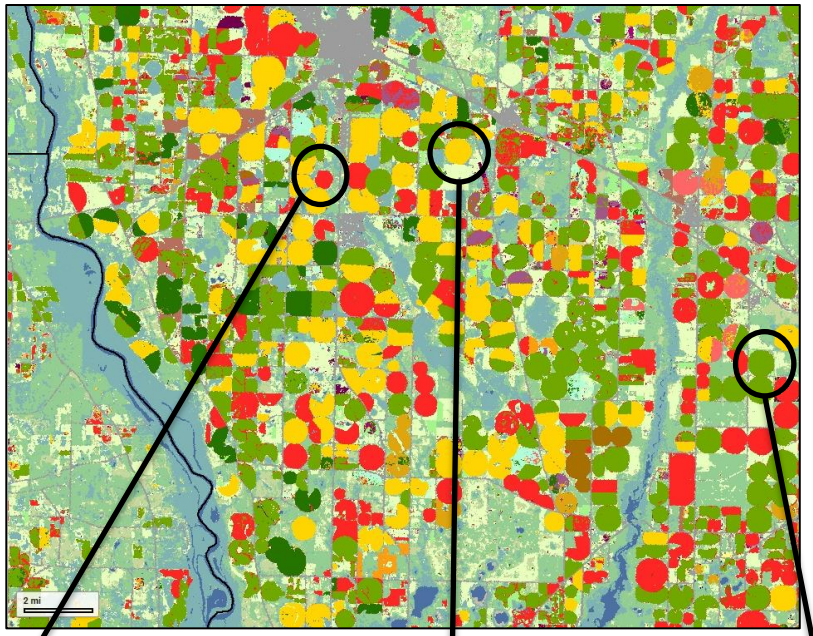
Post-Event: Sentinel-2 SR median composite (Oct 9–19, 2026)

Walton and Washington Counties, Florida

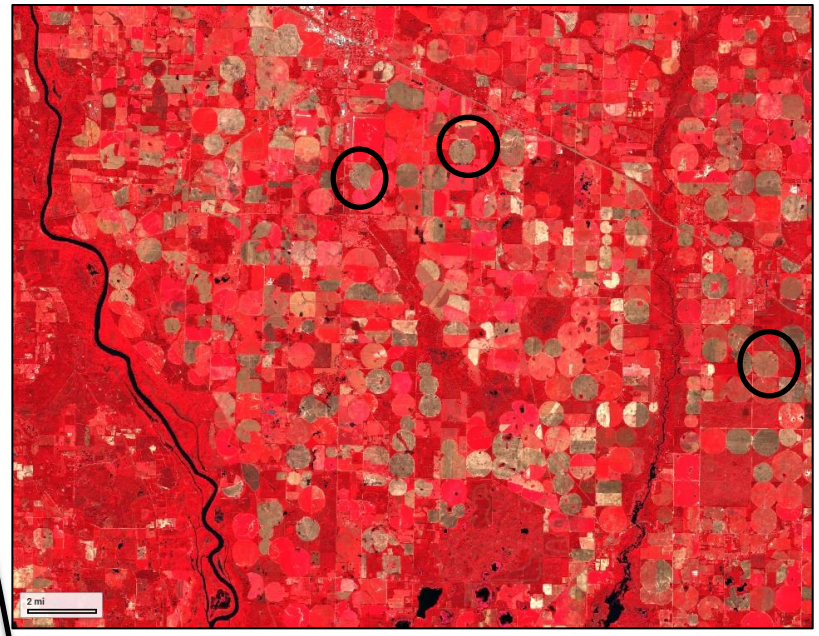
Real-time Assessment and Prompt Inundation Detection (RAPID V2.1 Beta) was designed for near-real time flood extent mapping and depth estimation using multi-sensor remote sensing data such as ESA Copernicus Sentinel-1 C-band SAR imagery, Sentinel-2, USGS Landsat 8/9, USGS 3DEP National Map Seamless 1/3 Arc-Second DEM, etc. Maximum flood inundation conditions are reflected for specified time windows. The 2025 USDA NASS Cropland Data Layer (CDL) is integrated in this app for the use of crop impact assessment. Author: Dr. Zhe Li (zhe.li@usda.gov).

Inundation Analysis – No Significant Crop Inundation Detected

Pre-Event: Sentinel-2 SR median composite (Sep 1–Oct 1, 2026)



CDL 2025



Post-Event: Sentinel-2 SR median composite (Oct 9–19, 2026)

Seminole and Decatur Counties, Georgia

Cotton

--*-*-*-*-*-* Dashboard *-*-*-*-*-*-*-*
Lat: 30.99; Lon: -84.87
State: Georgia
County: Seminole

Elevation: 39.69 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Cotton
S2 post-event MNDWI (max): -0.55
S2 pre-event MNDWI (median): -0.54
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.57
Multi-sensor post-event MNDWI (max) -0.55
Multi-sensor pre-event MNDWI (median): -0.55

Corn

--*-*-*-*-*-* Dashboard *-*-*-*-*-*-*-*
Lat: 31.00; Lon: -84.83
State: Georgia
County: Seminole

Elevation: 44.41 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Corn
S2 post-event MNDWI (max): -0.56
S2 pre-event MNDWI (median): -0.51
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.60
Multi-sensor post-event MNDWI (max) -0.56
Multi-sensor pre-event MNDWI (median): -0.51

Peanuts

--*-*-*-*-*-* Dashboard *-*-*-*-*-*-*-*
Lat: 30.93; Lon: -84.71
State: Georgia
County: Decatur

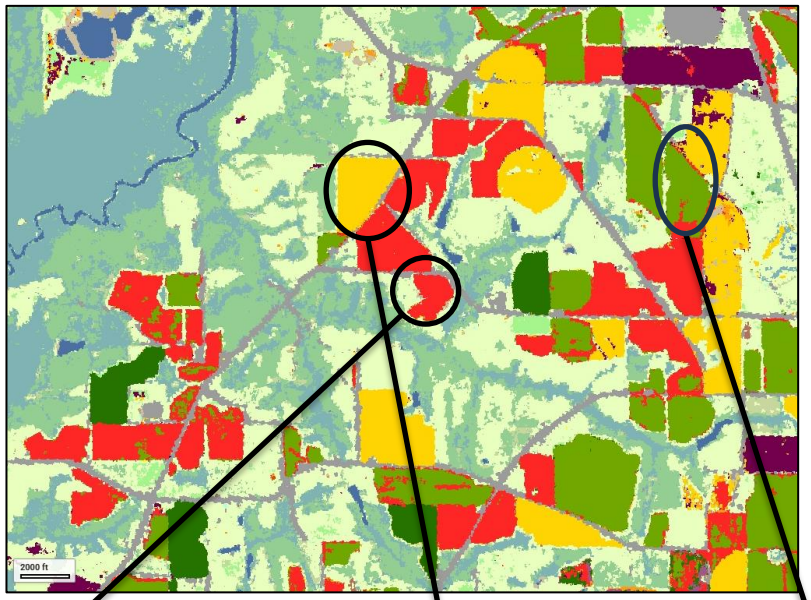
Elevation: 34.99 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Peanuts
S2 post-event MNDWI (max): -0.59
S2 pre-event MNDWI (median): -0.57
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.54
Multi-sensor post-event MNDWI (max) -0.59
Multi-sensor pre-event MNDWI (median): -0.57

- Corn
- Cotton
- Peanuts

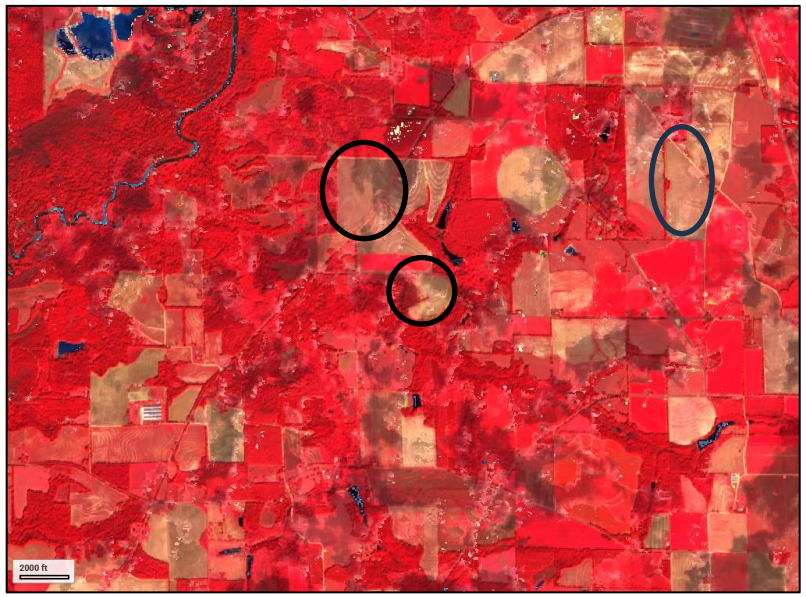
Negative post-event MNDWI indicates no standing water.

Inundation Analysis – No Significant Crop Inundation Detected

Pre-Event: Sentinel-2 SR median composite (Sep 1–Oct 1, 2026)



CDL 2025



Post-Event: Sentinel-2 SR median composite (Oct 9–19, 2026)

Geneva County, Alabama

Cotton

--*-*-*-*-* Dashboard *-*-*-*-*-*-*
Lat: 31.13; Lon: -85.77
State: Alabama
County: Geneva

Elevation: 74.07 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Cotton
S2 post-event MNDWI (max): -0.40
S2 pre-event MNDWI (median): -0.59
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.60
Multi-sensor post-event MNDWI (max) -0.40
Multi-sensor pre-event MNDWI (median): -0.60

Corn

--*-*-*-*-* Dashboard *-*-*-*-*-*-*
Lat: 31.13; Lon: -85.77
State: Alabama
County: Geneva

Elevation: 78.83 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Corn
S2 post-event MNDWI (max): -0.49
S2 pre-event MNDWI (median): -0.58
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.60
Multi-sensor post-event MNDWI (max) -0.49
Multi-sensor pre-event MNDWI (median): -0.60

Peanuts

--*-*-*-*-* Dashboard *-*-*-*-*-*-*
Lat: 31.13; Lon: -85.74
State: Alabama
County: Geneva

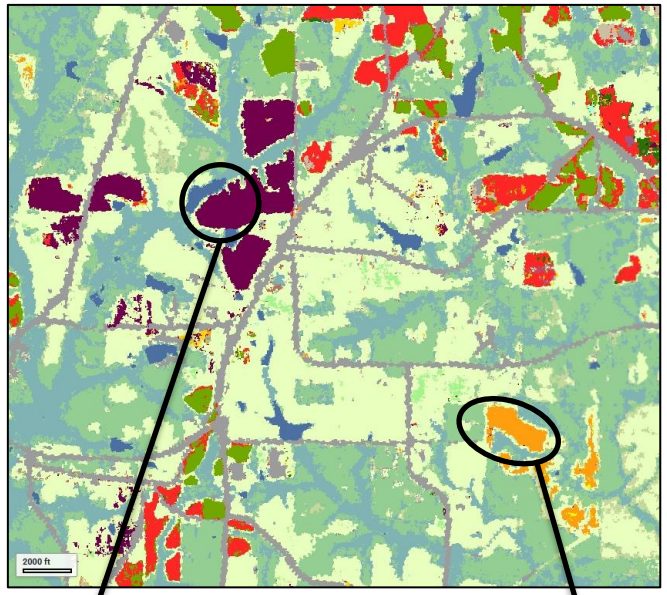
Elevation: 83.24 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Peanuts
S2 post-event MNDWI (max): -0.56
S2 pre-event MNDWI (median): -0.56
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.59
Multi-sensor post-event MNDWI (max) -0.56
Multi-sensor pre-event MNDWI (median): -0.56

- Corn
- Cotton
- Peanuts

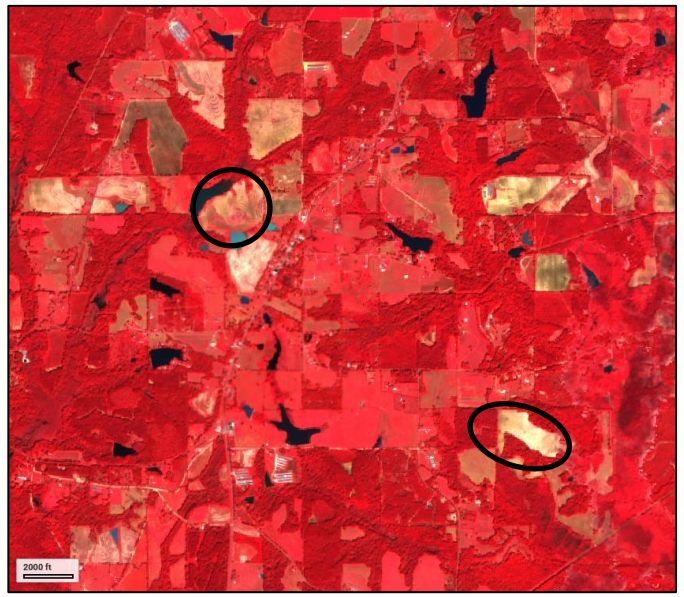
Negative post-event MNDWI indicates no standing water.

Inundation Analysis – No Significant Crop Inundation Detected

Pre-Event: Sentinel-2 SR median composite (Sep 1–Oct 1, 2026)



CDL 2025



Post-Event: Sentinel-2 SR median composite (Oct 9–19, 2026)

Geneva County, Alabama

Millet

--*-*-*-*-*-* Dashboard *-*-*-*-*-*-*-*
Lat: 31.19; Lon: -85.88
State: Alabama
County: Geneva

Elevation: 81.27 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Millet
S2 post-event MNDWI (max): -0.58
S2 pre-event MNDWI (median): -0.50
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.64
Multi-sensor post-event MNDWI (max): -0.58
Multi-sensor pre-event MNDWI (median): -0.64

Sorghum

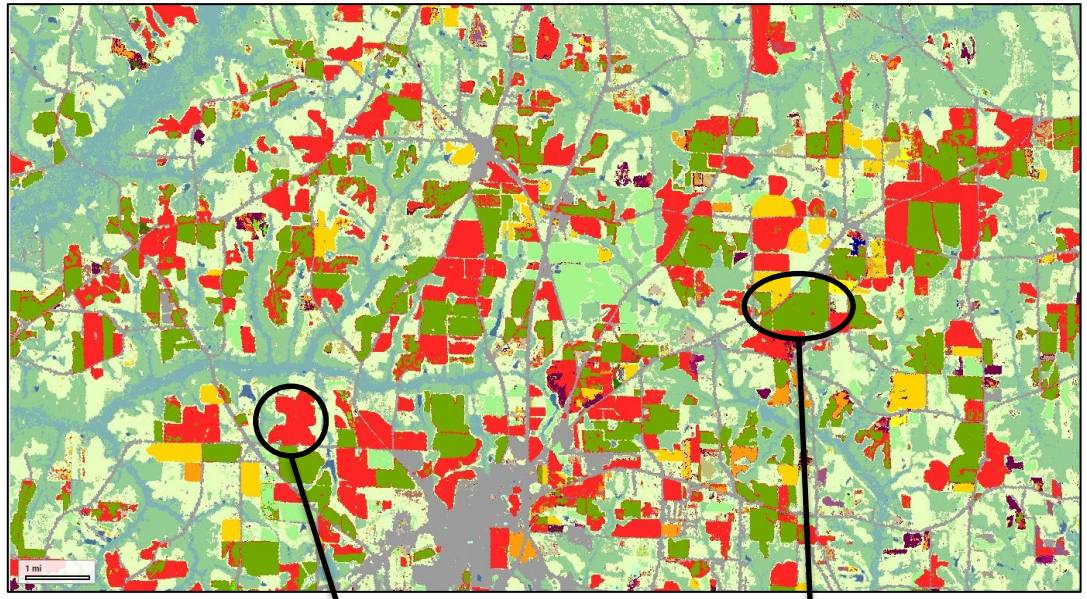
--*-*-*-*-*-* Dashboard *-*-*-*-*-*-*-*
Lat: 31.16; Lon: -85.85
State: Alabama
County: Geneva

Elevation: 61.22 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Sorghum
S2 post-event MNDWI (max): -0.48
S2 pre-event MNDWI (median): -0.59
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.62
Multi-sensor post-event MNDWI (max): -0.48
Multi-sensor pre-event MNDWI (median): -0.61

Millet
Sorghum

Negative post-event MNDWI indicates no standing water.

Inundation Analysis – No Significant Crop Inundation Detected



CDL 2025

Pre-Event: Sentinel-2 SR median composite (Sep 1–Oct 1, 2026)

Henry County, Alabama

Cotton

--*-*-*-*-* Dashboard *-*-*-*-*-*-*
Lat: 31.37; Lon: -85.38
State: Alabama
County: Henry

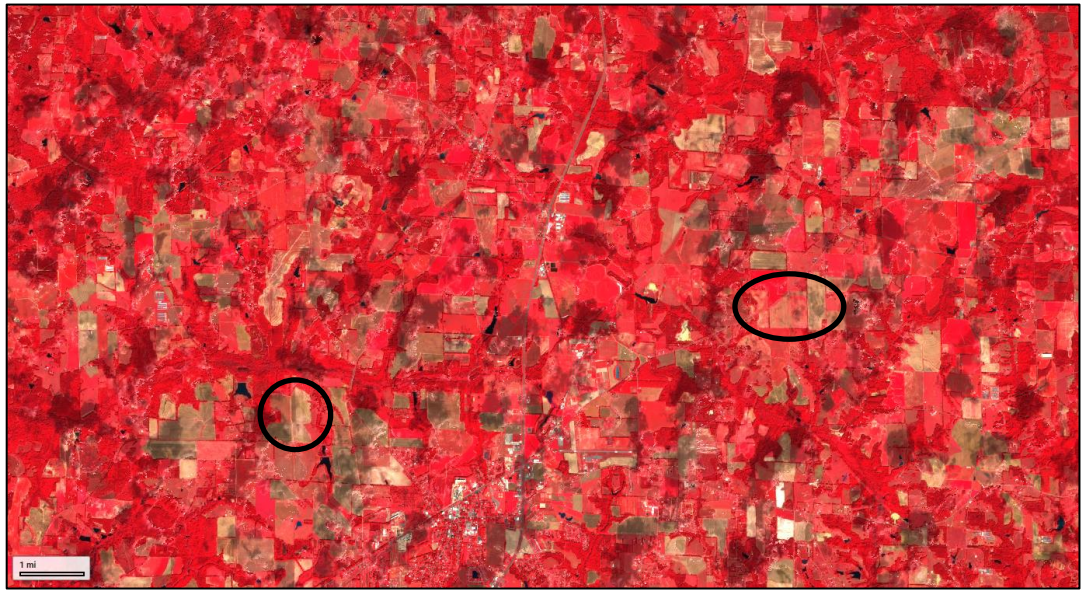
Elevation: 103.18 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Cotton
S2 post-event MNDWI (max): -0.56
S2 pre-event MNDWI (median): -0.55
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.49
Multi-sensor post-event MNDWI (max): -0.56
Multi-sensor pre-event MNDWI (median): -0.55

Peanuts

--*-*-*-*-* Dashboard *-*-*-*-*-*-*
Lat: 31.37; Lon: -85.23
State: Alabama
County: Henry

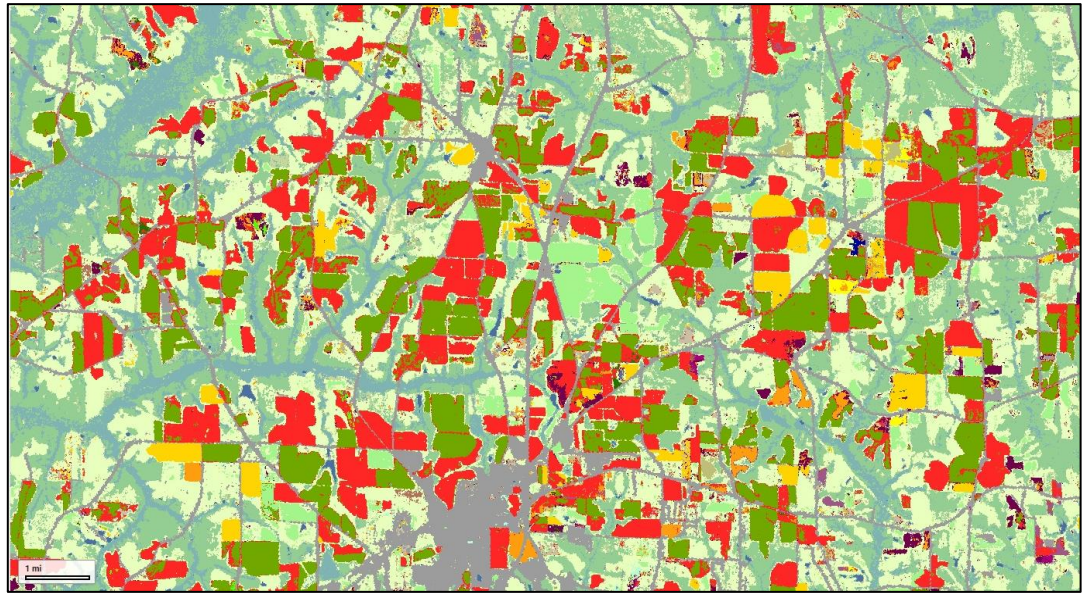
Elevation: 96.76 m
Flood depth: N/A
Crop type in 2026: N/A
Crop type in 2025: Peanuts
S2 post-event MNDWI (max): -0.58
S2 pre-event MNDWI (median): -0.56
L8/9 post-event MNDWI (max): N/A
L8/9 pre-event MNDWI (median): -0.57
Multi-sensor post-event MNDWI (max): -0.58
Multi-sensor pre-event MNDWI (median): -0.56

Negative post-event MNDWI indicates no standing water.

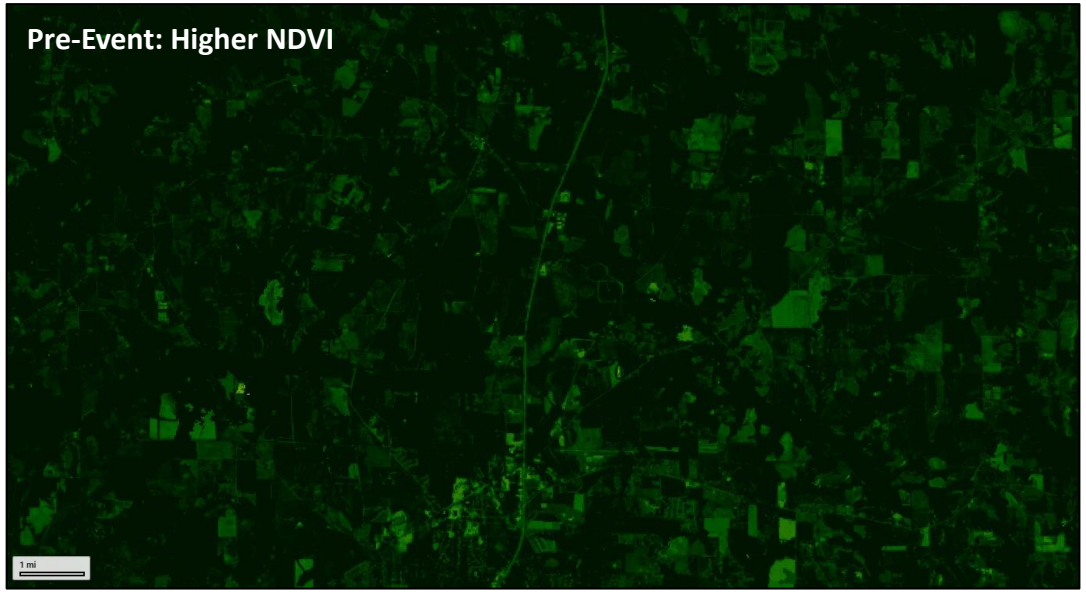


Post-Event: Sentinel-2 SR median composite (Oct 9–19, 2026)

Inundation Analysis – No Significant Crop Inundation Detected



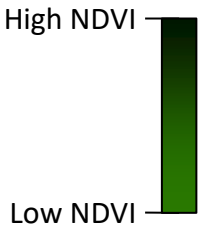
CDL 2025

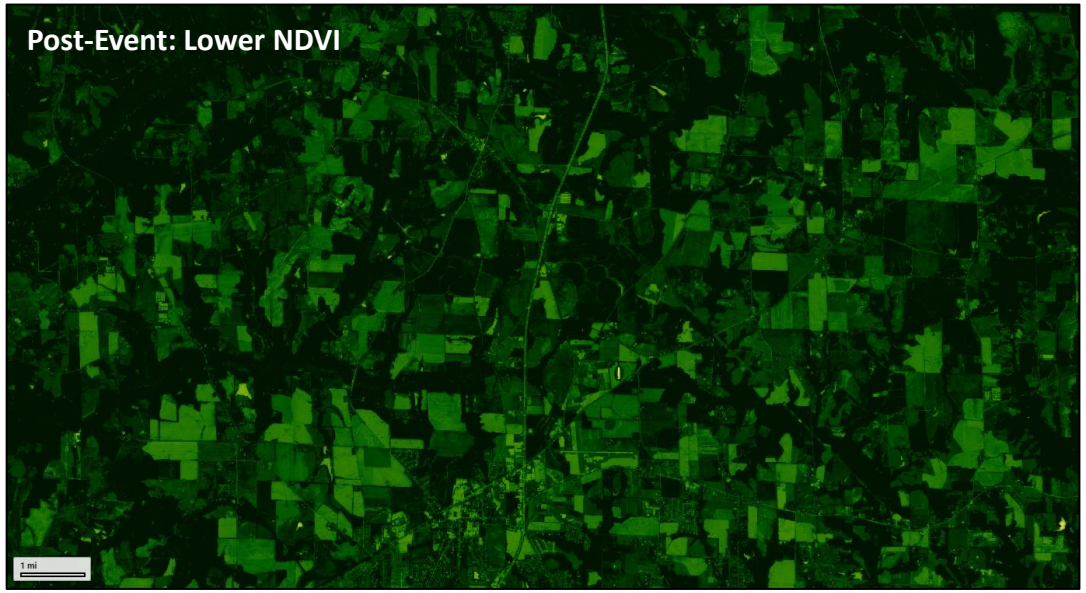


Pre-Event: Multi-sensor (Sentinel-2, Landsat 8/9) NDVI median composite (Sep 1–Oct 1, 2026)

Henry County, Alabama

As year progresses, NDVI drops due to many factors including harvest, end of season, wind damages, etc.





Post-Event: Multi-sensor (Sentinel-2, Landsat 8/9) NDVI median composite (Oct 9–19, 2026)