

County-Level Agricultural Losses from Hurricane Milton

The tropical system that would eventually become Hurricane Milton originated in the western Caribbean Sea and consolidated in the Bay of Campeche (Mexico) on October 5, 2024. Gradual intensification occurred as it slowly moved eastward, becoming a hurricane early on October 7 and undergoing explosive intensification to become a Category 5 hurricane with winds of 180 mph (285 km/h). Increasing wind shear caused the hurricane to weaken as it turned northeast towards Florida, weakening to Category 3 status before making landfall near Siesta Key late on October 9. Afterwards, Milton rapidly weakened as it moved across the state into the Atlantic Ocean. Hurricane Milton was associated with a significant tornado outbreak, heavy rainfall, and flooding.

Hurricane Milton affected over 5.7 million acres of agricultural lands across 57 counties in Florida. The annual value of agricultural production on these affected lands is estimated to be \$8.7 billion. Estimated production losses in Florida associated with Hurricane Milton are \$428.0 million (Court, Qiao, Koeneke, & McDaid, 2025). The estimated losses vary across counties as illustrated in the map below. The highest estimated losses were concentrated in areas with extensive, high value agricultural production and/or regions exposed to the most intense weather conditions.

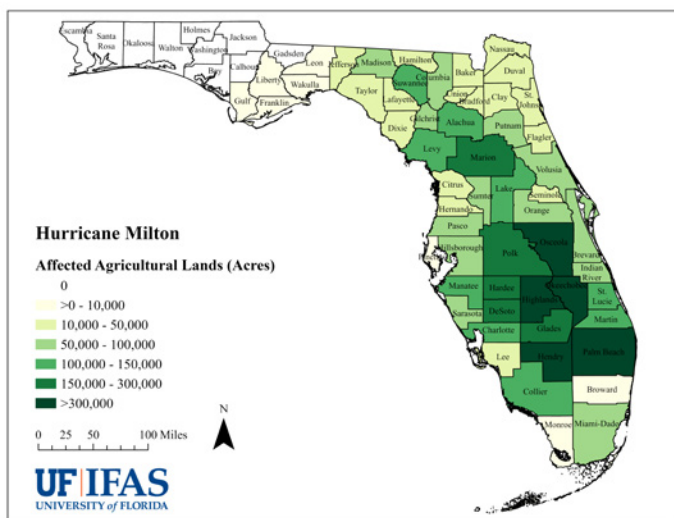


Figure 1. Estimated acreage of affected agricultural lands due to Hurricane Milton in each county of Florida.

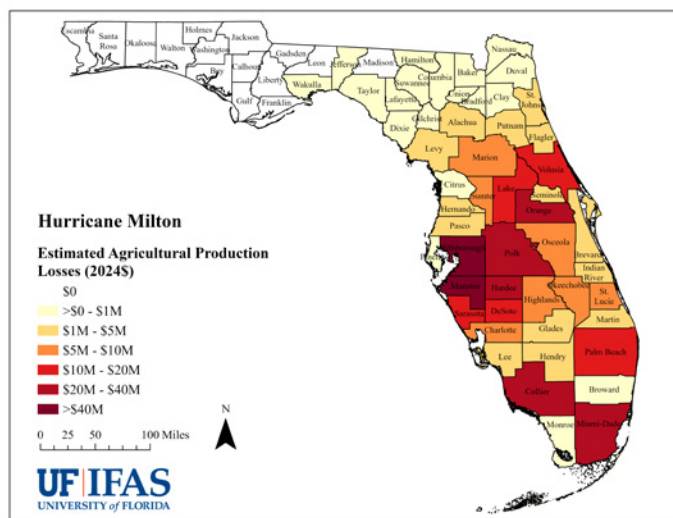


Figure 2. Estimated agricultural losses (2024\$) due to Hurricane Milton in each county of Florida.



Table 1. Estimated county-level affected acreage, value of annual production on affected lands (2024\$, thousands), and estimated agricultural production losses (2024\$, thousands) due to Hurricane Milton.

County	Affected Agricultural Lands (Acres)	Value of Annual Production (2024\$, Thousands)	Estimated Agricultural Production Losses (2024\$, Thousands)
Alachua	123,415	\$90,314	\$1,283
Baker	13,039	\$17,057	<\$100
Bradford	25,306	\$22,195	\$251
Brevard	89,046	\$51,585	\$4,125
Broward	5,307	\$45,346	\$771
Charlotte	116,816	\$112,293	\$5,515
Citrus	29,832	\$12,564	\$912
Clay	15,851	\$8,000	\$158
Collier	108,809	\$565,271	\$22,749
Columbia	64,533	\$49,159	<\$100
DeSoto	224,439	\$224,732	\$13,243
Dixie	26,979	\$10,295	<\$100
Duval	14,012	\$14,386	\$206
Flagler	27,571	\$20,898	\$2,005
Franklin	135	\$444	\$-
Gilchrist	62,653	\$85,873	\$591
Glades	260,343	\$149,953	\$2,369
Gulf	9,797	\$1,261	\$-
Hamilton	43,557	\$49,415	<\$100
Hardee	227,977	\$240,659	\$22,280
Hendry	446,131	\$630,428	\$2,981
Hernando	34,862	\$26,295	\$2,087
Highlands	331,393	\$244,367	\$9,024
Hillsborough	91,902	\$401,077	\$49,827
Indian River	71,157	\$69,402	\$4,262
Jefferson	33,174	\$45,031	<\$100
Lafayette	38,182	\$70,489	<\$100
Lake	110,959	\$203,526	\$19,592
Lee	41,495	\$101,403	\$4,858
Leon	3,586	\$1,800	\$-

County	Affected Agricultural Lands (Acres)	Value of Annual Production (2024\$, Thousands)	Estimated Agricultural Production Losses (2024\$, Thousands)
Levy	144,365	\$120,447	\$3,409
Liberty	<100	<\$100	\$-
Madison	87,424	\$103,861	\$-
Manatee	119,960	\$526,084	\$67,538
Marion	222,294	\$152,343	\$7,157
Martin	144,969	\$216,642	\$4,404
Miami-Dade	55,073	\$914,229	\$30,269
Monroe	<100	\$2,204	<\$100
Nassau	18,140	\$13,965	<\$100
Okeechobee	324,269	\$273,724	\$6,798
Orange	76,300	\$272,987	\$27,250
Osceola	457,203	\$104,343	\$8,088
Palm Beach	440,909	\$1,254,729	\$15,227
Pasco	84,185	\$51,330	\$3,746
Pinellas	533	\$2,095	\$176
Polk	285,786	\$238,247	\$30,074
Putnam	51,310	\$51,249	\$3,321
Sarasota	67,863	\$65,218	\$13,630
Seminole	20,258	\$25,389	\$2,606
St. Lucie	107,893	\$146,636	\$7,606
St. Johns	15,749	\$48,704	\$3,707
Sumter	95,872	\$61,982	\$5,117
Suwannee	119,772	\$232,036	<\$100
Taylor	19,429	\$4,033	<\$100
Union	23,789	\$13,467	<\$100
Volusia	58,111	\$190,514	\$18,563
Wakulla	5,701	\$3,915	<\$100
Total	5,739,520	\$8,655,947	\$427,960

Note: Affected agricultural lands less than 100 acres are represented as '<100'. Losses less than \$100,000 are represented as '<\$100' in the table.

Reference

Court, C. D., Qiao, X. Koeneker, R., & McDaid, K. (2025). Estimated Agricultural Losses Resulting from Hurricane Milton. UF/IFAS Economic Impact Analysis Program, Food and Resource Economics Department, University of Florida.