

2022 Assessment of Losses and Damages to Florida Agriculture from Hazard/Disaster Events

This survey instrument was created to assist the UF/IFAS Economic Impact Analysis Program and others in collecting information on the impacts of natural disasters on the agriculture sector in Florida. The survey is to be completed for individual farms, ranches, or aquaculture operations by farm owners, operators, or persons from state or federal institutions or agencies that were able to visually assess conditions of the operation or consult directly with an owner/operator after the disaster event.

All information will be kept strictly confidential within the research team. Only the study team will have access to the detailed information collected in this survey. The results will be compiled and reported as state/county or commodity averages.

The survey should take approximately 10-15 minutes to complete, depending on your level of familiarity with the farm/ranch operations. You may choose whether to participate in the survey, and you may withdraw at any time. There is no personal compensation provided for participation. The Qualtrics survey system uses data encryption, so there is minimal risk that security of any online data might be breached.

If you consent to participate, please proceed to the survey on the next page.

If you have any questions about this project, contact the principal investigator:

Christa D. Court
Food & Resource Economics Department
University of Florida
ccourt@ufl.edu
352-294-7675

If you have any questions about your rights as a study participant, contact the University of Florida Institutional Review Board: irb2@ufl.edu, or 352-392-0433.

Thank you for your cooperation.

Date: _____

Observer first and last name: _____

Response type:

Farm owner/operator		Local Government Agency Representative
Florida Cooperative Extension - UF/IFAS		State Government Agency Representative
Florida Cooperative Extension - FAMU		Federal Government Agency Representative
Other		

If Other, please specify: _____

Did you observe losses/damages being reported first-hand? (circle) Yes / No

Did you consult with a farm owner/manager or employee regarding the losses/damages being reported? (circle) Yes / No

Select the Florida county or counties in which the farm, ranch, or aquaculture operation is located:

Note: Please check all that apply.

<input type="checkbox"/>	Alachua	<input type="checkbox"/>	Hardee	<input type="checkbox"/>	Okeechobee
<input type="checkbox"/>	Baker	<input type="checkbox"/>	Hendry	<input type="checkbox"/>	Orange
<input type="checkbox"/>	Bay	<input type="checkbox"/>	Hernando	<input type="checkbox"/>	Osceola
<input type="checkbox"/>	Bradford	<input type="checkbox"/>	Highlands	<input type="checkbox"/>	Palm Beach
<input type="checkbox"/>	Brevard	<input type="checkbox"/>	Hillsborough	<input type="checkbox"/>	Pasco
<input type="checkbox"/>	Broward	<input type="checkbox"/>	Holmes	<input type="checkbox"/>	Pinellas
<input type="checkbox"/>	Calhoun	<input type="checkbox"/>	Indian River	<input type="checkbox"/>	Polk
<input type="checkbox"/>	Charlotte	<input type="checkbox"/>	Jackson	<input type="checkbox"/>	Putnam
<input type="checkbox"/>	Citrus	<input type="checkbox"/>	Jefferson	<input type="checkbox"/>	St. Johns
<input type="checkbox"/>	Clay	<input type="checkbox"/>	Lafayette	<input type="checkbox"/>	St. Lucie
<input type="checkbox"/>	Collier	<input type="checkbox"/>	Lake	<input type="checkbox"/>	Santa Rosa
<input type="checkbox"/>	Columbia	<input type="checkbox"/>	Lee	<input type="checkbox"/>	Sarasota
<input type="checkbox"/>	DeSoto	<input type="checkbox"/>	Leon	<input type="checkbox"/>	Seminole
<input type="checkbox"/>	Dixie	<input type="checkbox"/>	Levy	<input type="checkbox"/>	Sumter
<input type="checkbox"/>	Duval	<input type="checkbox"/>	Liberty	<input type="checkbox"/>	Suwannee
<input type="checkbox"/>	Escambia	<input type="checkbox"/>	Madison	<input type="checkbox"/>	Taylor
<input type="checkbox"/>	Flagler	<input type="checkbox"/>	Manatee	<input type="checkbox"/>	Union
<input type="checkbox"/>	Franklin	<input type="checkbox"/>	Marion	<input type="checkbox"/>	Volusia
<input type="checkbox"/>	Gadsden	<input type="checkbox"/>	Martin	<input type="checkbox"/>	Wakulla
<input type="checkbox"/>	Gilchrist	<input type="checkbox"/>	Miami-Dade	<input type="checkbox"/>	Walton
<input type="checkbox"/>	Glades	<input type="checkbox"/>	Monroe	<input type="checkbox"/>	Washington
<input type="checkbox"/>	Gulf	<input type="checkbox"/>	Nassau	<input type="checkbox"/>	
<input type="checkbox"/>	Hamilton	<input type="checkbox"/>	Okaloosa	<input type="checkbox"/>	

Disaster Type

Note: Please choose the primary disaster type that best fits the event. (e.g., losses and damages associated with wind, excess rain, flooding, or tornadoes that occur during or as a result of a tropical storm/hurricane should be reported as 'Tropical Storm/Hurricane'.)

<input type="checkbox"/>	Hurricane/Tropical Storm	<input type="checkbox"/>	Excess Rain	<input type="checkbox"/>	Freeze
<input type="checkbox"/>	Severe Weather/Storm	<input type="checkbox"/>	Flood	<input type="checkbox"/>	Excess heat
<input type="checkbox"/>	Tornado	<input type="checkbox"/>	Drought	<input type="checkbox"/>	Wildfire
<input type="checkbox"/>	Wind	<input type="checkbox"/>	Hail	<input type="checkbox"/>	Other

If Other, please specify: _____

Which of the following agricultural commodity groups on this farm, ranch, or operation were affected by the event?

Note: Please check all that apply.

<input type="checkbox"/>	Fruits and Nuts	<input type="checkbox"/>	Vegetables, Melons, and Potatoes	<input type="checkbox"/>	Field crops
<input type="checkbox"/>	Horticultural crops (greenhouse and nursery)	<input type="checkbox"/>	Livestock	<input type="checkbox"/>	Animal Products
<input type="checkbox"/>	Aquaculture	<input type="checkbox"/>	None of the above	<input type="checkbox"/>	

Production Losses and Damages

In the following table, for each fruit or nut crop affected, please provide information on total planted area (acres), the percentage of planted area that was completely destroyed (100% loss), the percentage of planted area that was damaged but not completely destroyed (<100% loss), the estimated percentage of production loss on the damaged acreage, the amount of product that was previously harvested and was stored on-farm (not for personal use) during the event, and the percentage of these stored products that were damaged during the event.

Fruit Crops

Crop	Total planted area (acres)	Percentage of planted area completely destroyed (100% loss)	Percentage of planted area damaged but not completely destroyed	Estimated production loss on damaged acreage (%)	Amount of harvested products stored on farm*	Percentage of stored products damaged
Avocados						
Blackberries						
Blueberries						
Berries, Other						
Citrus, Other						
Grapefruit						
Grapes						
Lemons						
Mangoes						
Olives						
Oranges						
Papayas						
Peaches						
Pecans						
Strawberries						
Tangelos						
Tangerines						
Temples						
Other Please specify:						

***Pounds:** Avocados; Blackberries; Blueberries; Berries, other; Chestnuts; Grapes; Mangoes; Olives; Papayas; Peaches; Pecans;
 ***Boxes:** Citrus, Other; Lemons; Oranges; Tangelos; Tangerines; Temples

In the following table, for each vegetable, melon, or potato crop affected, please provide information on total planted area (acres), the percentage of planted area that was completely destroyed (100% loss), the percentage of planted area that was damaged but not completely destroyed (<100% loss), the estimated percentage of production loss on the damaged acreage, the amount of product that was previously harvested and was stored on-farm (not for personal use) during the event, and the percentage of these stored products that were damaged during the event.

Vegetable, Melon, and Potato Crops

Crop	Total planted area (acres)	Percentage of planted area completely destroyed (100% loss)	Percentage of planted area damaged but not completely destroyed	Estimated production loss on damaged acreage (%)	Amount of harvested products stored on farm (pounds)	Percentage of stored products damaged (%)
Beans						
Broccoli						
Cabbage						
Carrots						
Cauliflower						
Cucumbers						
Peas						
Peppers						
Potatoes, white						
Pumpkins						
Spinach						
Squash						
Sweet Corn						
Sweet Potatoes						
Tomatoes						
Watermelon						
Zucchini						
Other Please specify: _____						

In the following table, for each field crop affected, please provide information on total planted area (acres), the percentage of planted area that was completely destroyed (100% loss), the percentage of planted area that was damaged but not completely destroyed (<100% loss), the estimated percentage of production loss on the damaged acreage, the amount of product that was previously harvested and was stored on-farm (not for personal use) during the event, and the percentage of these stored products that were damaged during the event.

Field Crops

Crop	Total planted area (acres)	Percentage of planted area completely destroyed (100% loss)	Percentage of planted area damaged but not completely destroyed	Estimated production loss on damaged acreage (%)	Amount of harvested products stored on farm*	Percentage of stored products damaged
Corn						
Cotton						
Hay, Haylage, Silage						
Millet						
Oats						
Peanut						
Peas						
Rye						
Sorghum (grain)						
Soybeans						
Sugarcane						
Tobacco						
Wheat						
Other Please specify: _____						
<p>*Bushels: Canola; Corn (grain); Millet; Oats; Rye; Sorghum (grain); Soybeans; Wheat *Tons: Hay, Haylage, and Silage; Sugarcane *Pounds: Cotton; Peanut; Peas; Tobacco; Other</p>						

In the following table, for each horticultural crop affected, please provide information on total planted area or area under cover (square feet), the percentage of planted area or area under cover that was completely destroyed (100% loss), the percentage of planted area or area under cover that was damaged but not completely destroyed (<100% loss), and the estimated percentage of production loss on the damaged acreage.

Horticultural Crops (Greenhouse and Nursery)

Crop	Total planted area or area under cover (square feet)	Percentage of planted area or area under cover completely destroyed (100% loss) (%)	Percentage of planted area or area under cover damaged but not completely destroyed (%)	Estimated production loss on damaged acreage (%)
Aquatic Plants				
Bulbs, Corms, Rhizomes & Tubers				
Christmas Trees				
Cut Flowers & Cultivated Greens				
Floriculture, Other				
Flower or Vegetable Seeds				
Flowering Plants, Potted				
Tropical Foliage Plants				
Mushrooms				
Propagative Material				
Transplants				
Woody Ornamental Trees and Shrubs				
Other Please specify: _____				

In the following table, for each livestock category affected, please provide information on the number of animals (number of head) on the farm, ranch, or operation, the number of animals that were sickened or injured during the event, and the number of animals that were lost or died during the event.

Livestock

Animal type	Number on farm (head)	Number injured (head)	Number lost or died (head)
Alpacas			
Bison			
Beef cattle 400 lbs. or less			
Beef cattle greater than 400 lbs.			
Dairy cattle 400 lbs. or less			
Dairy cattle greater than 400 lbs.			
Chickens			
Deer			
Ducks			
Elk			
Emus			
Equine (Horses, Donkeys)			
Goats			
Guineafowl			
Hogs			
Honey bee colonies			
Ostriches			
Pheasants			
Pigeons & Squab			
Quail			
Rabbits			
Sheep			
Turkeys			
Other Please specify: _____			

In the following table, for each animal product category affected, please provide information on the amount of the animal product produced in 2021 and the estimated production loss due to this event as a percentage of expected annual production.

Animal Products

Product	Amount produced on farm last year	Percentage of annual production lost in disaster
Eggs (number)		
Honey (pounds)		
Milk (hundredweight)		
Meat (pounds)		
Wool (pounds)		
Other Please specify: _____		

In the following table, for each aquaculture category affected, please provide information on the number of fish, shellfish, crustaceans, or mollusks on the aquaculture farm or operation, the number of fish, shellfish, crustaceans, or mollusks that were sickened or injured during the event, and the number of animals that were lost or died during the event.

Aquaculture

Aquaculture category	Number on farm	Number sickened or injured	Number lost or dead
Baitfish			
Crustaceans			
Finfish			
Food fish (catfish, trout, etc.)			
Shellfish			
Mollusks (clams, oysters, etc.)			
Sport or Game Fish			
Other Please specify: _____			

Stored Inputs and Asset Damages

In the following table, for each category of stored inputs, please provide information on the quantity stored on farm during the event and the percentage of the stored input that was damaged during the event.

Inputs	Quantity on farm during event	Percentage of stored inputs damaged during event
Fertilizer (pounds)		
Seeds (pounds)		
Pesticides (pounds)		
Livestock silage (pounds)		
Stored hay (bales)		
Animal medicine (doses)		
Bird scratch/feed (pounds)		
Feed grain (pounds)		
Feed for honey bees (pounds)		
Fish feed (pounds)		
Fingerlings (pounds)		
Aquatic medicine (doses)		
Shellfish seed (pounds)		
Other Please specify: _____		

In the following table, for each category of infrastructure assets, please provide information on the quantity of the specific asset on the farm, ranch, or aquaculture operation during the event and the quantity damaged or destroyed during the event.

Infrastructure

Asset type	Quantity on farm	Quantity destroyed
Homes (number)		
Livestock sheds (poultry, cattle, equine, etc)		
Other farm buildings (number)		
Aquaculture structures: ponds, tanks, equipment (number)		
Conservation structures: ponds, dams, culverts (number)		
Greenhouses and other growing structures (number)		
Irrigation system structures (number)		
Storage structures: silos (number)		
Honey bee boxes (number)		
Livestock watering points		
Fences - interior (linear feet)		
Fences - exterior (linear feet)		
Farm equipment: tractors, implements, vehicles, greenhouse heating/cooling (number)		
Pallets (number)		
Fruit/nut trees, bushes, or vines (number plants)		
Non-fruit trees, bushes, or vines except Christmas trees (number)		
Boats (number)		
Bags/cages/floats (number)		
Other infrastructure (number) Please describe: _____		

Briefly describe any other types of damages or losses or general comments about disaster damages observed on this farm

You have now completed the survey. Thank you for your participation.