



FEMA News Photo

WHEN DISASTER STRIKES

Ag Damage Assessment Forms can help you quickly, easily, and accurately:

ASSESS damage to all agricultural inventory

ESTIMATE economic loss

AgDamage Assessment Form

When disasters cause damage to:



It is important to be able to quickly and accurately assess the scale of the damage, and determine the economic loss caused by the disaster. Whether natural, accidental, or intentional, the **Agricultural Damage Assessment Form** can provide a quick and easy method to make an accurate assessment of damage, and an accurate estimate of the economic loss to agriculture.

- Reduce guesswork—more accurate
- Examples show the process
- User Guide explains each section
- On-line webinar training
- PowerPoint™ training with instructor notes

One simple form for every type of disaster, for all agriculture, and every state and region.

Visit <http://extension.psu.edu/agdamage>

Welcome

Introductions

Q & A

PROJECT SUPPORTED BY:



Penn State College of Agricultural Sciences research and extension programs are funded in part by Pennsylvania counties, the Commonwealth of Pennsylvania, and the U.S. Department of Agriculture.

Where trade names appear, no discrimination is intended, and no endorsement by Penn State Cooperative Extension is implied.



United States Department of Agriculture

National Institute of Food and Agriculture

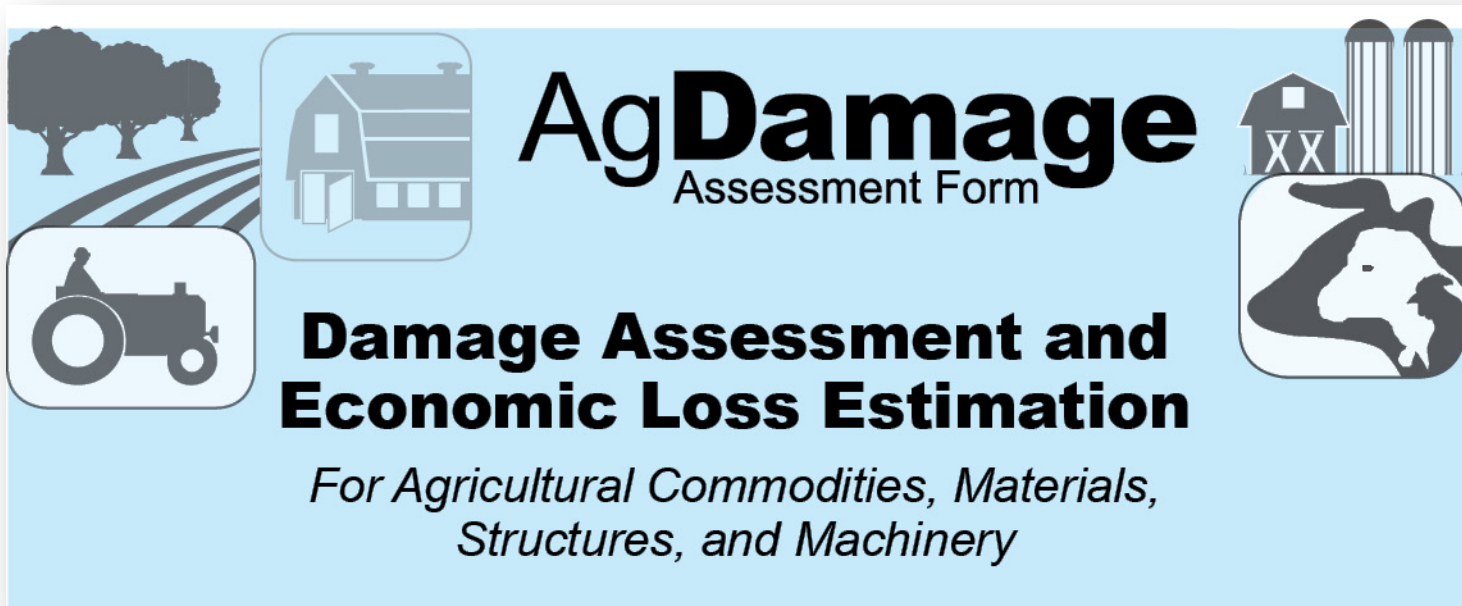
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AgDamage Assessment Form





AgDamage
Assessment Form

**Damage Assessment and
Economic Loss Estimation**

*For Agricultural Commodities, Materials,
Structures, and Machinery*

How To Use The Resource

<http://extension.psu.edu/agdamage>

Authors / Partners

GENERAL

Dave Filson, Extension State Program Leader—Animal Sciences, Emergency Preparedness Coordinator,
The Pennsylvania State University, dfilson@psu.edu
Shirley Gryczuk, Program Development Specialist, Cooperative Extension, The Pennsylvania State University

PROJECT PARTNERS

Tom Ball
Center for Governmental Training
and Technology
Bost Extension Center
Mississippi State

Thomas M. "Tommy" Bass
Livestock Environment Associate Specialist
Montana State University Extension

Stephen C. Brown, Ph.D.
District Agriculture Agent
Mat-Su/Copper River Districts
Cooperative Extension Service
University of Alaska Fairbanks

Michael R. Bush, Ph.D.
WA State University/ Yakima County
Interim County Director
Extension Entomologist

Scott Cotton, CPRM
Extension Educator—(Livestock, Range
and Youth)
Unit Leader—Dawes County Office
EDEN Livestock Delegate, SCAP Team Member
Co- Chair UNL AgroSecurity/ BioSecurity
Work Group
Vice Chairman, Nebraska Grazing Lands Coalition
University of Nebraska, Lincoln Extension

Rebecca Csutoras
Program Chief
USDA, Pennsylvania State Farm Service Agency

Mike Hunter
Field Crops Extension Educator
Agriculture and Natural Resources
Program Leader
Cornell Cooperative Extension of Jefferson
County

Marilyn M. Simunich, DVM, Dipl. ACVPM
Director, Animal Health Laboratory
Division of Animal Industries
Idaho State Dept. of Agriculture

REVIEWERS:

Kent W. Buckley, MCEM
Deputy Director, Mississippi Emergency
Management Agency
Past President Mississippi Civil Defense
Management Emergency Management
Association

Dr. Marvin Hamann, DVM
Hamann Veterinary Services
Chairman, Animal Health Committee—Colorado
Cattlemen's Association
Pueblo West, CO

Elizabeth Parker, DVM
Chief Veterinarian
National Cattlemen's Beef Association

David G. Pyburn, DVM
Swine Health Programs
USDA APHIS VS

Dawn M. Scott
Farm Program Specialist
USDA—FSA—Washington State

Patrick Webb, DVM
Director of Swine Health Programs
National Pork Board

Mongi Zekri, Ph.D.
Multi-County Citrus Extension Agent IV
University of Florida
Institute of Food and Agricultural Sciences

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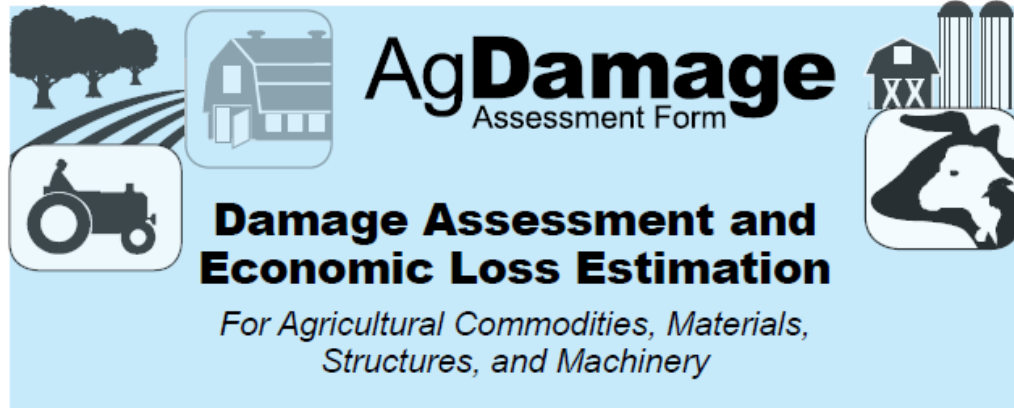
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When agricultural commodities or agricultural facilities sustain damage as the result of a disastrous event, local review teams are expected to inspect and review the extent of damage and determine the economic loss as a result of the disaster. Information gathered by local teams can be shared through the USDA Farm Service Agency, Cooperative Extension, local Emergency Management Agency, or other interested entities. Most agriculture disasters are weather related, such as flooding, drought, wildfire, hail, freezing, and wind. Plant and animal diseases can cause significant damage and economic loss. Agricultural producers/growers can also incur economic losses as the result of accidental or intentional human actions such as misapplied pesticides, contaminated feed or water, or the intentional introduction of a bio-agent.

The *Ag Damage Assessment Form* provides a standardized method for individuals who are interested in determining the extent of damages to agricultural commodities and structures.

Local, third-party, independent damage assessment may be done by representatives of Farm Service Agency; APHIS; Cooperative Extension; the local Emergency Management Agency; other local, state, federal agencies; or by insurance company representatives. Regardless of the intended use of agricultural disaster loss information, the approach

used by this *Ag Damage Assessment Form* can provide rapid and accurate information to the assessment process of determining agricultural damages and economic losses.

The *Ag Damage Assessment Form* provides spaces to record details needed to determine the exact location and the scale of agricultural damage and loss. *The Assessment Form* includes sections for agricultural losses, including: animal and crop/plant commodities, structures, stored materials, and machinery and equipment. If losses occur for agricultural items not listed, "other" spaces are provided to add/describe additional losses.

The *Ag Damage Assessment* process may require additional resources to determine current local values and economic losses for disaster damages. Assessors may access local or regional crop and livestock market reports, ag suppliers and dealers, building contractors, state departments of agriculture, and the local FSA or Extension office to determine accurate evaluations and current values. In all situations, documentation including pictures and receipts, and listing of the source used to determine values, is critical to ensure credibility. Assessors are tasked with exercising their best judgment to determine the extent of damage, and to document loss and value based on experience and credible sources.

AgDamage Assessment Form



*required field

*Date of assessment:		
*Completed by, Name:		
Assessment agency:		
*Contact information:	ADDRESS:	
	PHONE:	EMAIL:
EMERGENCY NEEDS	<input type="checkbox"/> No <input type="checkbox"/> YES (describe)	

1. DISASTER EVENT

*Name Or Type (describe):		*Beginning Date: _____ *Ending Date: _____
AREA AFFECTED:	<input type="checkbox"/> Isolated <input type="checkbox"/> Widespread <input type="checkbox"/> Entire County	PHOTOS submitted illustrating losses: <input type="checkbox"/> Yes, attached <input type="checkbox"/> No
If loss is being claimed due to breach of biosecurity, exposure to disease, or contamination:	Describe:	
	Potential effect:	

2. OWNER/OPERATOR & BUSINESS INFORMATION

*NAME (Last, first, middle) or NAME OF BUSINESS		
Permanent residence information *STREET _____ *CITY _____ STATE _____ ZIP _____ *COUNTY _____ GPS location in Decimal Degrees – Datum must be set to WGS 84 (example – 61.34664) _____ lat (*N) (example – 149.09333) _____ long (*W) Farm ID/FSA #: _____ Premises ID (optional) #: _____	Location of site assessment (if different) DIRECTIONS TO DAMAGE SITE (provide specific miles and mention visible landmarks): _____ _____ *STREET _____ *CITY _____ STATE _____ ZIP _____ *COUNTY _____ GPS location in Decimal Degrees – Datum must be set to WGS 84 _____ lat (*N) _____ long (*W) Farm ID/FSA #: _____ Premises ID (optional) #: _____	Other site assessment location if damage occurred during transit or where the producer-owned commodity is stored. Ex: local grain elevator, co-op. LOCATION _____ STREET _____ CITY _____ STATE _____ ZIP _____ COUNTY _____ GPS location in Decimal Degrees – Datum must be set to WGS 84 _____ lat (*N) _____ long (*W)
*Telephone: _____	*Telephone (alternate): _____	
FAX number: _____	FAX number: _____	
Cell phone: _____	Cell phone: _____	
Email: _____	Email: _____	

3. ASSURANCE By signing below, I certify that the statements herein are true, complete and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil or administrative penalties.

3a. OWNER/OPERATOR ASSURANCE —SIGNATURE OF PERSON NAMED IN 2. (*PER* SIGNATURE NOT ACCEPTABLE)	3b. ASSESSOR ASSURANCE
*SIGNATURE: _____	*SIGNATURE: _____
DATE: _____	DATE: _____

*required field



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AgDamage
Assessment Form





ANIMAL LOSSES



ANIMAL LOSSES

4. ANIMAL LOSSES—OWNER							
KIND	TYPE	WEIGHT RANGE	¹ NO. DEAD	NO. INJURED	NO. MISSING	² NO. DISEASED <input type="checkbox"/> If clinical list symptoms	³ \$ LOSS
Alpacas							
Aquaculture							
Beef	Adult	Bulls					
		Bred Cows					
		Cull Cows					
	Non-adult	Bred Heifers					
		Heifers—Less than 400 lbs					
		Heifers—400 to 799 lbs					
		Heifers—800 lbs or more					
		Steers—Less than 400 lbs					
		Steers—400 to 799 lbs					
		Steers—800 lbs or more					
Honey Bees	Bee Colony						
	Honey						
Buffalo/ Beefalo	Adult	Bulls					
		Cows					
	Non-adult	Less than 400 lbs					
		400 to 799 pounds 800 pounds or more					
Chickens	Broilers/Pullets						
	Broilers/Pullets (Regular Size)						
	Chicks						
	Layers						
	Layers/Roasters						
	Pullets/Cornish Hens (Small Size)						
	Roasters						
	Eggs						
Dairy	Adult	Bulls					
		Dry Cows					
		Close-up Cow					
		Bred Milking Cows					
		Open Milking Cows					
		Cull Cows					
	Non-adult	Bulls—Less than 400 lbs					
		Bulls—400 to 799 lbs					
		Bulls—800 lbs or more					
		Heifers—Bred					
		Heifers—Springer					
		Heifers—Less than 400 lbs					
		Heifers—400 to 799 lbs					
		Heifers—800 lbs or more					
		Milk					
Deer							
Ducks	Ducklings						
	Ducks						

DUPLICATE AS NEEDED



ANIMAL LOSSES



ANIMAL LOSSES

4. ANIMAL LOSSES—OWNER (continued)

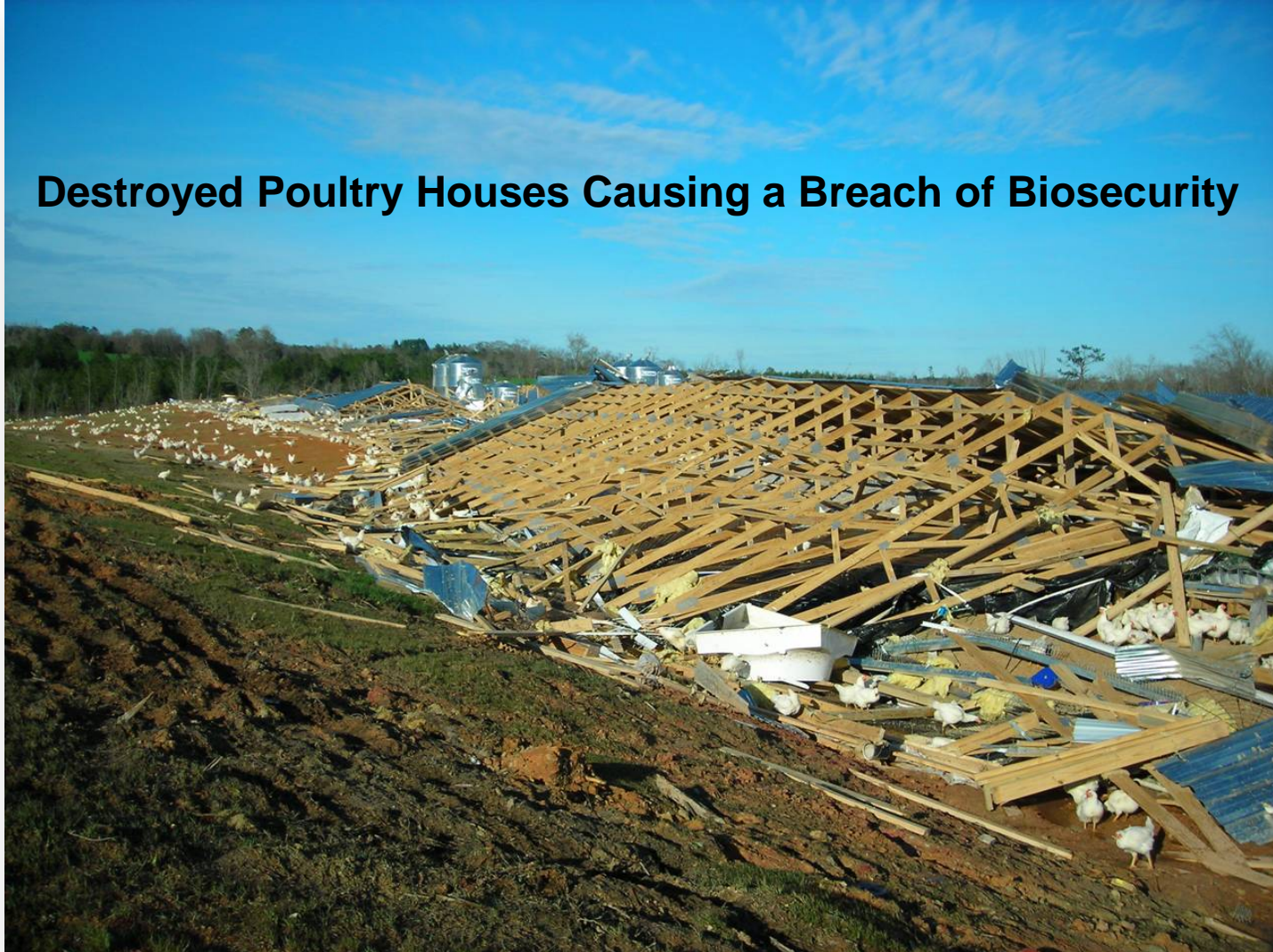
KIND	TYPE	WEIGHT RANGE	¹ NO. DEAD	¹ NO. INJURED	¹ NO. MISSING	¹ NO. DISEASED <input type="checkbox"/> If clinical list symptoms	% LOSS
Elk							
Emus							
Equine	Production Horses						
	Work Horses						
	Performance Horses						
	Pleasure Horses						
Geese	Goose						
	Gosling						
Goats	Bucks						
	Nannies						
	Slaughter Goats/Kids						
Llamas							
Reindeer							
Sheep	Ewes						
	Lambs						
	Rams						
Swine	Piglets	10 lbs and under					
	Feeder Pigs	10 to 40 lbs					
	Market (non-breeding) Pigs	40 to 300 lbs					
	Breeding Swine (include gilts for breeding)						
Turkeys	Poult						
	Toms/Fryers/Roasters						
Other Animals (identify)							
Sub Total							
¹ Please describe method of carcass disposal (buried, incinerated, composted, etc...):							
² If yes, please describe signs or symptoms of infectious disease							
<input type="checkbox"/> Neurological (# affected: _____)							
<input type="checkbox"/> Respiratory (# affected: _____)							
<input type="checkbox"/> Gastrointestinal (# affected: _____)							
<input type="checkbox"/> Other (describe): _____							
³ Source of current values:							

DUPLICATE AS NEEDED



ANIMAL LOSSES

Destroyed Poultry Houses Causing a Breach of Biosecurity





ANIMAL LOSSES

Questions to ask when assessing injured, dead and lost livestock:

- Has the livestock ownership been verified by brand, ear tag, tattoo or other documentation?
- Is there a risk of the impact extending to surrounding areas?
- Was the mechanism of impact the same for all losses?
- Was the timing of the impact the same for all losses?
- Is there a priority for relocation or disposal of the losses?
- REMEMBER to follow safety guidelines for handling and assessing livestock!



CROP LOSSES

CROP LOSSES



5. CROP LOSSES

TYPE AND VARIETY INTENDED USE	TOTAL ACRES	DAMAGED ACRES	EXPECTED YIELD UNITS PER ACRE	% YIELD LOSS	% QUALITY LOSS	\$ VALUE PER UNIT	\$ LOSS THIS CROP	WHAT WILL BE DONE WITH DAMAGED ACRES: REPLANT, SALVAGE, DESTROYED, ABANDONED	\$ LOST INVESTMENT: FROM ESTABLISHMENT, PER ACRE/ VARIABLE COSTS	\$ LOSS - LIFE OF STAND: TREES, VINES, PERENNIALS (SPECIFY)	TOTAL LOSS	SOURCE OF CURRENT VALUES:
Example: Corn/grain	300	50	180	100		\$5.50/bu	\$49,500	Abandoned	\$5.60/bu = \$28,000		\$77,500	Univ. of Illinois Agronomy Facts
NOTES: too late to replant - crop too small to salvage												
NOTES:												
1.												
NOTES:												
2.												
NOTES:												
3.												
NOTES:												
4.												
NOTES:												
5.												
NOTES:												
6.												
NOTES:												
7.												
NOTES:												
8.												
NOTES:												
Sub Total - CROP LOSSES												

DUPLICATE AS NEEDED



STRUCTURES AND FACILITIES



STRUCTURES AND FACILITIES LOSSES

6. STRUCTURES AND FACILITIES LOSSES														
NAME	SIZE/CAPACITY/FUNCTION	AGE	WOOD	STEEL/METAL	BLOCK/BRICK	CONCRETE	EARTH/DIRT	FABRIC	OTHER	AFFECTED	MINOR	MAJOR	DESTROYED	BRIEF DAMAGE NARRATIVE ESTIMATE \$ (INDICATE REPAIR OR REPLACEMENT)
Example: Hay Barn	20 x 30ft, storage	8 yrs	X	X									X	80% of metal roof damaged or missing, 20% of trusses damaged, posts and poles intact
			NOTES: pole barn, metal roof											
			ESTIMATE SOURCE: Owner										ESTIMATE \$: 42,000 repair	
Example: Center Pivot	1000 ft long	2 yrs		X									X	5/6 towers collapsed, pipe segments torn and bent, motors submerged for 10 days
			NOTES: Zinnmatic System, new drop nozzles											
			ESTIMATE SOURCE: Dealer										ESTIMATE \$: 438,000 replacement	
1.														
			NOTES:											
			ESTIMATE SOURCE:										ESTIMATE \$:	
2.														
			NOTES:											
			ESTIMATE SOURCE:										ESTIMATE \$:	
3.														
			NOTES:											
			ESTIMATE SOURCE:										ESTIMATE \$:	
4.														
			NOTES:											
			ESTIMATE SOURCE:										ESTIMATE \$:	
5.														
			NOTES:											
			ESTIMATE SOURCE:										ESTIMATE \$:	
Damage Categories Affected (repairable, safe, functional/marginally functional) Minor (repairable, possibly unsafe, marginally functional) Major (repairable, unsafe, not functional) Destroyed (non-repairable, unsafe, not functional)												Total (\$) this page:	Total (\$) Sect. 6 pages:	

DUPLICATE AS NEEDED



STRUCTURES AND FACILITIES

THIS TOOL IS DESIGNED TO BE FLEXIBLE

- combination of check boxes, descriptive boxes and open comment boxes

CONSIDER:

- buildings, bins and storages of multiple materials
- roads, ditches, canals, windbreaks
- fences, utilities, irrigation systems, trellises
- ponds, lagoons and earthen impoundments (structural integrity should be determined by an engineer, catastrophic failure may occur after initial damaging event)



STRUCTURES AND FACILITIES

Poultry House Destroyed by Tornado in Southeastern State





STRUCTURES AND FACILITIES

Horse Complex





STORED MATERIALS



STORED MATERIALS LOSSES

STORED MATERIALS		AMOUNT (UNIT)	% DRY MATTER	VALUE*** PER UNIT	HOW STORED – SHED, SILO, BUNKER, BIN, BAG	TOTAL LOSS
7. STORED MATERIALS						
Stored Grain						
Soybeans						
Corn	Dry					
	HM Ear Corn					
	HM Shelled Corn					
Oats						
Wheat						
Barley						
Rye						
Other (describe)						
Manufactured Feed (describe)						
Forages						
Dry Hay						
Haylage						
Corn Silage						
Whole Plant Grain Silage						
Mulch Hay						
Other (describe)						
Feed Commodities/Ingredients						
Vitamins/Minerals						
Premix						
Salt						
Other (describe)						
Other (describe)						
Other (describe)						
Stored Fruit (describe)						
Stored Vegetables (describe)						
Sub Total						

DUPLICATE AS NEEDED



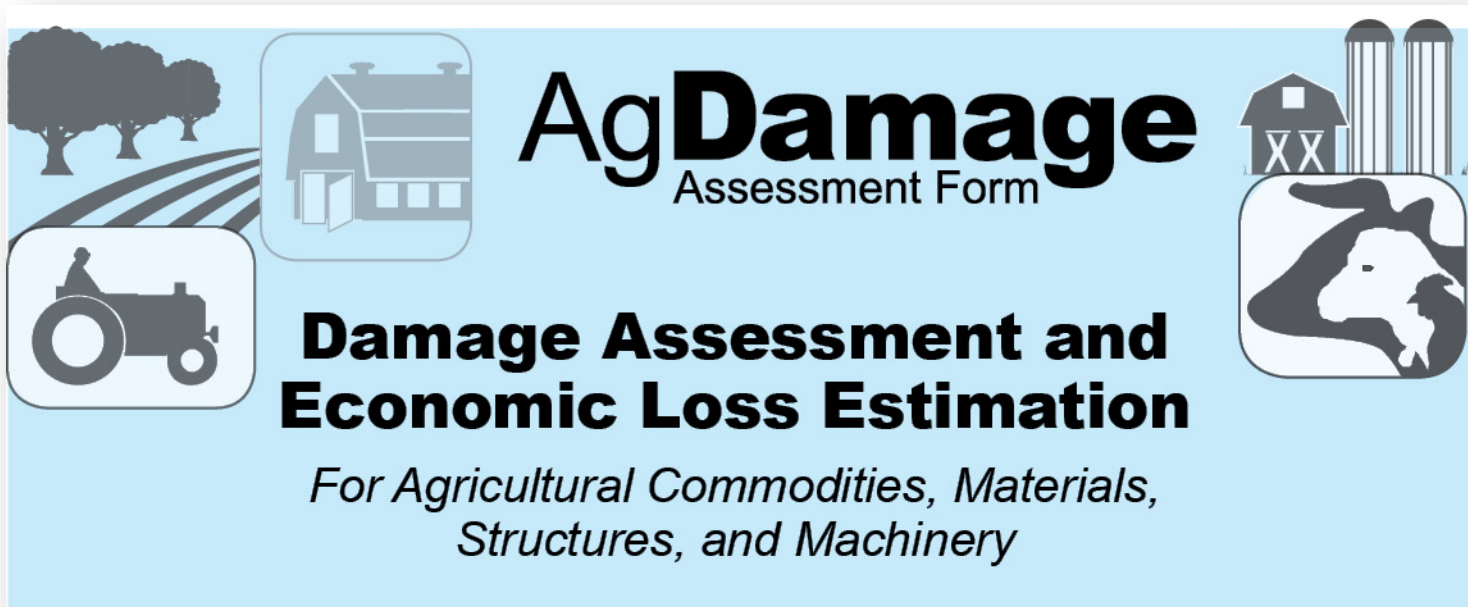
MACHINERY AND EQUIPMENT



MACHINERY AND EQUIPMENT LOSSES

B. MACHINERY AND EQUIPMENT		
VEHICLES -- MAKE / MODEL / YEAR	VIN #	VALUE *** (INDICATE REPAIR OR REPLACEMENT)
TRACTORS -- MAKE / MODEL / YEAR	IDENTIFICATION #	
FIELD MACHINERY -- MAKE / MODEL / YEAR	IDENTIFICATION #	
EQUIPMENT	IDENTIFICATION #	
TOOLS AND SUPPLIES	IDENTIFICATION #	
MISCELLANEOUS	IDENTIFICATION #	
SUB TOTAL		

*** Source of current values:



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