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VS Indemnity Values for 2022: Specialty Table



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Acronyms

APHIS	Animal and Plant Health Inspection Service
FPAC-BC	Farm Production and Conservation Business Center
FSA	Farm Service Agency
FMV	Fair Market Value
LIP	Livestock Indemnity Program
NASS	National Agricultural Statistics Service
USDA	United States Department of Agriculture
VS	Veterinary Services

Definitions

Indemnity	Monetary payment(s) made to a livestock owner for livestock deaths in excess of normal mortality caused by adverse weather or by attacks by animals reintroduced into the wild by the Federal Government; and animals and animal products taken/destroyed to control/eradicate a disease.
Valuation Method	The method used to estimate the monetary value of an asset. Methods include establishment of indemnity tables, appraisal evaluation, and Farm Service Agency (FSA) historical evaluation.

Executive Summary

This document contains indemnity values for specialty animal agricultural commodities intended for use within the USDA Animal and Plant Health Inspection Service (APHIS) Veterinary Services (VS). This document supplements a similar document, the USDA Commercial Indemnity Table for 2022, used by USDA agencies to determine indemnity values for commercial animal agricultural commodities

Introduction

1. Background and Objectives

In 2019, Animal and Plant Health and Inspection Service's Veterinary Services (VS) began work on a new approach to indemnity value determination for animals the Animal and Plant Health Inspection Service (APHIS) classifies as affected, suspect, or exposed to diseases of concern, to eradicate and control foreign animal diseases, emerging diseases, and program diseases as authorized by title 9, Code of Federal Regulations (9 CFR).

This effort was initiated to meet the following goals:

- To harmonize valuation approaches across USDA agencies;
- Address stakeholder requests for a more simplified and unified approach;
- To develop an approach that uses currently available vetted data sources and replace calculators reliant on outdated data that cannot be updated due to issues related to data availability; and
- To simplify and document the methods used to calculate values.

To achieve these goals, USDA economists in the U.S. Department of Agriculture (USDA) developed a set of harmonized indemnity values and methods to determine values for animal indemnity. The result of this effort was a 2020 table of indemnity values for commercial animal agricultural commodities intended for use across USDA agencies or business units that deal with indemnity programs, including the Animal and Plant Health Inspection Service (APHIS) Veterinary Services (VS), USDA Farm Service Agency (FSA), and the USDA Farm Production and Conservation Business Center (FPAC-BC). An updated version of this table, "USDA Commercial Indemnity Table for 2021" was produced for use in 2021.

The USDA Commercial Indemnity Table for 2021 did not include specialty or niche production classes of animals (e.g., purebred animals raised for seedstock, exotic breeds, organic animals, or special exhibition animals). VS developed this supplemental table to provide indemnity values for specialty production classes.

2. Overview of Updates

The current document is the first in what is anticipated to be a series of annually updated documents containing indemnity values for specialty production classes. In future documents, any additions or deletions to the specialty production classes contained within this document, along with any substantive changes in calculation methods, will be noted in this section. Since this is the first of the anticipated series of documents, there are no updates to note.

Specialty Indemnity Values for 2022

3. Indemnity Values

Table 1. VS Specialty Indemnity Table for 2022

	\$ Value per head 2022 (100% market value)
Beef - organic	
<i>Non-adult beef cattle, less than 12 months of age</i>	
Non-adult (< 250 lbs.)- organic	235.08
Non-adult (250-399 lbs.)- organic	636.25
Non-adult (400-799 lbs.) steers- organic	1052.23
Non-adult (400-799 lbs.) heifers- organic	832.84
<i>Non-age specific (intended for larger feeder animals rather than breeding animals)</i>	
Feeder steers or heifers (800+ lbs.)- organic	1483.44
<i>Adult beef cattle, 12 months of age and older</i>	
Adult cull cow (non-bred)- organic	1103.35
Adult cow bred- organic	1725.27
Adult bull- organic	1726.88
Adult open heifer or cow (non-cull)- organic	1348.67
Adult bred heifer- organic	1447.38
Dairy - organic	
<i>Non-adult dairy cattle, less than 12 months of age</i>	
Non-adult (< 250 lbs.)- organic	60.99
Non-adult (250-399 lbs.)- organic	343.83
Non-adult (400-799 lbs.) steers- organic	687.67
Non-adult (400-799 lbs.) heifers- organic	687.67
<i>Non-age specific (intended for larger feeder animals rather than breeding animals)</i>	
Steers or heifers (800+ lbs.)- organic	1123.19
<i>Adult dairy cattle, 12 months of age and older</i>	
Adult heifer or cow- organic	1375.33
Adult bull- organic	1490.62
Swine -organic	
Isoweans: up to 15 lbs. - organic	85.13
Nursery: 15 to 50 lbs. - organic	130.65
Swine, sows, boars, barrows, gilts (50-150 lbs.) - organic	220.52
Swine, sows, boars, barrows, gilts (150-300 lbs.) - organic	310.39
Swine, sows, boars, barrows, gilts (300-450 lbs.) - organic	471.55
Swine, sows/boars (>450 lbs.) - organic	615.58

Specialty Indemnity Values for 2022

Chickens, Broilers -organic	
Chickens, deboning/roasters (super roasters/parts, 49+ days of age) -organic	11.48
Chickens, (roasters, 42-48 days of age) -organic	8.74
Chickens, (broilers, 32-41 days of age, and pullets regular size) -organic	6.87
Chickens, (broilers, 8-32 days of age, and small Cornish hens) -organic	4.62
Chickens, chicks -organic (0-7 days of age)	0.62
Turkeys -organic	
Turkeys, Toms, 84+ days of age, -organic	58.12
Turkeys, Toms, 49-83 days of age, -organic	47.54
Turkeys, Hens, 78+ days of age, -organic	24.89
Turkeys, Hens, 49-77 days of age, -organic	17.77
Turkeys, Fryers and Roasters (8-48 days of age) -organic	16.39
Turkeys, Poult (0-7 days of age) -organic	6.59
Turkeys -breeder	
Turkeys, Male, 392+ days of age (spent), -breeder	30.10
Turkeys, Male, 238-391 days of age, -breeder	116.37
Turkeys, Male, 196-237 days of age -breeder	202.63
Turkeys, Male, 49-195 days of age, -breeder	165.74
Turkeys, Male, 8-48 days of age, -breeder	63.61
Turkeys, Male, 0-7 days of age, -breeder	25.58
Turkeys, Female, 392+ days of age (spent), -breeder	24.62
Turkeys, Female, 238-391 days of age, -breeder	62.16
Turkeys, Female, 196-237 days of age -breeder	99.69
Turkeys, Female, 49-195 days of age -breeder	71.16
Turkeys, Female, 8-48 days of age -breeder	50.45
Turkeys, Female, 0-7 days of age -breeder	20.29
Deer	
Buck deer for meat	821.10
Doe deer for meat	547.33
Buck deer for breeding/stocking	2028.16
Doe deer for breeding/stocking	811.27
Nonadult male deer	253.52
Nonadult female deer	135.21
Elk	
Bull elk for meat	1139.76
Cow elk for meat	759.75
Bull elk for breeding/stocking	2396.43

Specialty Indemnity Values for 2022

Cow elk for breeding/stocking	958.57
Nonadult male elk	299.55
Nonadult female elk	159.76
Other seedstock	
Alpaca (seedstock)	1453.33
Llama (seedstock)	692.75
Standard Fowl	
Chickens, hatching egg	2.26
Chickens, hatching egg, show	5.65
Chickens, young (<1 month)	4.52
Chickens, young (<1 month), show	11.29
Chickens, juvenile (1-10 months)	12.00
Chickens, juvenile (1-10 months), show	28.94
Chickens, heavy (7+ lbs. per bird), male	25.00
Chickens, heavy (7+ lbs. per bird), male, show	41.94
Chickens, heavy (7+ lbs. per bird), female	30.00
Chickens, heavy (7+ lbs. per bird), female, show	46.94
Chickens, medium (4-7 lbs. per bird)	20.00
Chickens, medium (4-7 lbs. per bird), show	36.94
Chickens, light (2-2.5 lbs. per bird)	10.00
Chickens, light (2-2.5 lbs. per bird), show	26.94
Ducks, hatching egg	4.58
Ducks, hatching egg, show	11.46
Ducks, young (<1 month)	9.17
Ducks, young (<1 month), show	22.92
Ducks, juvenile (1-10 months)	20.00
Ducks, juvenile (1-10 months), show	54.37
Ducks, heavy (8-10 lbs. per bird)	35.00
Ducks, heavy (8-10 lbs. per bird), show	69.37
Ducks, medium (4-8 lbs. per bird)	25.00
Ducks, medium (4-8 lbs. per bird), show	59.37
Ducks, light (1.5-3 lbs. per bird)	13.00
Ducks, light (1.5-3 lbs. per bird), show	47.37
Geese, hatching egg	11.90
Geese, hatching egg, show	29.75
Geese, young (<1 month)	23.80
Geese, young (<1 month), show	59.51
Geese, juvenile (1-10 months)	53.50
Geese, juvenile (1-10 months), show	142.76

Specialty Indemnity Values for 2022

Geese, heavy (19-25 lbs. per bird), male	100.00
Geese, heavy (19-25 lbs. per bird), male, show	189.26
Geese, heavy (19-25 lbs. per bird), female	90.00
Geese, heavy (19-25 lbs. per bird), female, show	179.26
Geese, medium (12-16 lbs. per bird)	75.00
Geese, medium (12-16 lbs. per bird), show	164.26
Geese, light (8-10 lbs. per bird)	55.00
Geese, light (8-10 lbs. per bird), show	144.26
Turkeys, hatching egg	7.07
Turkeys, hatching egg, show	17.68
Turkeys, young (<1 month)	14.14
Turkeys, young (<1 month), show	35.35
Turkeys, juvenile (1-10 months)	40.00
Turkeys, juvenile (1-10 months), show	93.03
Turkeys, heavy (30-35 lbs.), male	100.00
Turkeys, heavy (30-35 lbs. per bird), male, show	153.03
Turkeys, heavy (20 lbs. per bird), female	60.00
Turkeys, heavy (20 lbs. per bird), female, show	113.03
Turkeys, immature heavy (18-22 lbs.), male	65.00
Turkeys, immature heavy (18-22 lbs. per bird), male, show	118.03
Turkeys, immature heavy (12 lbs. per bird), female	45.00
Turkeys, immature heavy (12 lbs. per bird), female, show	98.03
Pigeons, hatching egg	1.28
Pigeons, hatching egg, show	3.21
Pigeons, young (<1 month)	2.57
Pigeons, young (<1 month), show	6.42
Pigeons, juvenile (1-10 months)	11.00
Pigeons, juvenile (1-10 months), show	46.00
Pigeons, adult (>10 months)	15.00
Pigeons, adult (>10 months), show	70.00
Doves, hatching egg	1.70
Doves, hatching egg, show	4.24
Doves, young (<1 month)	3.39
Doves, young (<1 month), show	8.48
Doves, juvenile (1-10 months)	11.00
Doves, juvenile (1-10 months), show	30.00
Doves, adult (>10 months)	15.00
Doves, adult (>10 months), show	40.00
Exotic Fowls	
Guinea Fowl, hatching egg	3.54

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Guinea Fowl, young (<1 month)	7.08
Guinea Fowl, juvenile (1-10 months)	12.50
Guinea Fowl, adult (>10 months)	18.00
Peafowl, hatching egg	30.13
Peafowl, young (<1 month)	60.25
Peafowl, juvenile (1-10 months)	78.50
Peafowl, adult (>10 months), male	110.00
Peafowl, adult (>10 months), female	85.00
Exotic & Wild Waterfowl, hatching egg	16.00
Exotic & Wild Waterfowl, young (<1 month)	32.00
Exotic & Wild Waterfowl, juvenile (1-10 months)	100.00
Exotic & Wild Waterfowl, adult (>10 months)	140.00
Swan, hatching egg	205.00
Swan, young (<1 month)	410.00
Swan, juvenile (1-10 months)	1290.00
Swan, adult (>10 months)	1760.00
Ornamental Pheasant, hatching egg	15.00
Ornamental Pheasant, young (<1 month)	30.00
Ornamental Pheasant, juvenile (1-10 months)	130.00
Ornamental Pheasant, adult (>10 months)	134.00
Exotic Doves, hatching egg	30.00
Exotic Doves, young (<1 month)	60.00
Exotic Doves, juvenile (1-10 months)	180.00
Exotic Doves, adult (>10 months)	240.00
Pedigree Racing Pigeons, hatching egg	14.50
Pedigree Racing Pigeons, young (<1 month)	29.00
Pedigree Racing Pigeons, juvenile (1-10 months)	89.00
Pedigree Racing Pigeons, adult (>10 months)	120.00
Upland Game Fowl	
Traditional Game Pheasant, hatching egg	1.67
Traditional Game Pheasant, young (<1 month)	3.35
Traditional Game Pheasant, juvenile (1-10 months)	6.50
Traditional Game Pheasant, adult (>10 months)	10.00
Quail & Partridge Gamebirds, hatching egg	1.47
Quail & Partridge Gamebirds, young (<1 month)	2.94
Quail & Partridge Gamebirds, juvenile (1-10 months)	4.00
Quail & Partridge Gamebirds, adult (>10 months)	5.00

Appendix. Calculation Methods and Data Sources for VS Specialty Indemnity Valuations

Values calculated from Five-year Census surveys.

Organic

The calculated values are based on Five-year Census surveys, conducted at five-year intervals by the USDA National Agricultural Statistics Service (NASS) in connection with the Census of Agriculture. Information regarding the Census of Agriculture is available at <https://www.nass.usda.gov/AgCensus/index.php>. More about the Organic Survey is available at https://www.nass.usda.gov/Publications/AgCensus/2017/Online_Resources/Organics/index.php.

Data from the Census of Agriculture can be obtained from: <https://quickstats.nass.usda.gov/>

Calculated values are shown in relation to the 2022 USDA Commercial Indemnity Table along with estimated premium values. The premiums are calculated as the value from the 2019 Organic Survey relative to the 2022 USDA Commercial Table value expressed as a percentage.

<i>Specialty animal group</i>	<i>Organic Value (2019)</i>	<i>Commercial Table Value (2022)</i>	<i>Premium</i>
Beef cow	\$1,348.67	\$1,028.72 ¹	31.10%
Other cattle (organic bulls, beef calves, replacement milk heifers, other)	\$1,038.41	\$1,028.72 ²	0.94%
Hogs and Pigs	\$309.63	\$178.27 ³	73.69%
Chickens, broilers	\$6.86	\$3.11 ⁴	120.58%
Turkeys	\$47.42	\$27.36 ⁵	73.32% ⁶

The premium percentages calculated above are applied to the values provided in the commercial table to estimate the values for organic cattle⁷, organic swine, and organic broilers shown in Table 1. The premium percentage for organic turkeys calculated above is applied to those organic turkey categories shown in Table 1 that are not covered in the section below regarding values calculated from limited industry surveys.

¹ This is the value for an adult open beef heifer or cow (non-cull) from the USDA Commercial Indemnity Table.

² This is the value for an adult open beef heifer or cow (non-cull) from the USDA Commercial Indemnity Table.

³ This is the value for 150-300lbs swine, sows, boars, barrows, and gilts from the USDA Commercial Indemnity Table.

⁴ This is the value for broilers/pullets regular size from the USDA Commercial Indemnity Table.

⁵ This is an average value for tom turkeys from the USDA Commercial Indemnity Table.

⁶ See the values for organic turkeys and the related footnote in the Values from limited industry surveys section.

⁷ Dairy cows and heifers are aggregated in the USDA Commercial Indemnity Table. The premium value for “other cattle” is an aggregated value that includes replacement dairy heifers but not milk cows. Using the premium value that applies to the replacement dairy heifers, rather than the negative premium that would apply to milk cows, for adult organic dairy cattle gives the benefit of the doubt regarding the premium value to the producer.

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Other non-organic animal species

These calculated values from the Five-year Census surveys are shown in comparison to those currently used in the Farm Service Agency (FSA) Livestock Indemnity Program (LIP). These values are available at https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdfiles/FactSheets/livestock_indemnity_program_lip_fact_sheet.pdf. Note that the LIP values are adjusted to 75 percent of market meat value. The values from the Five-year Census surveys are aggregates not limited to meat values. Therefore, a premium percentage is not calculated between the two values.

<i>Specialty animal group</i>	<i>Survey Value (2017)</i>	<i>FSA "Other" Value (100% Market Value) 2022</i>
Alpaca	\$1,453.33	\$405.32
Deer	\$1,622.53	\$547.33
Elk	\$1,917.14	\$759.75
Llama	\$692.75	\$327.63

The values presented above from the 2017 survey are applied to adult Alpacas and Llamas used specifically as genetic seedstock. Other adult Alpacas and Llamas are valued as indicated in the USDA Commercial Table. The values presented above for deer and elk are used in the calculations described below for specialty deer and elk categories.

Subcategories of animal production classes not included in commercial indemnity tables

A set of indemnity values for deer and elk is estimated based on the values presented above and a set of adjustment factors, developed for deer and applied to both deer and elk values from the 2017 Census survey. The adjusted values for various subcategories of deer and elk are presented below and in Table 1.

Subdivisions of deer values:

Buck deer for meat	\$821.10
Doe deer for meat	\$547.33
Buck deer for breeding/stocking ⁸	\$2,028.16
Doe deer for breeding/stocking	\$811.27
Nonadult male deer	\$253.52
Nonadult female deer	\$135.21

Subdivisions of elk values:

Bull elk for meat	\$1,139.76
Cow elk for meat	\$759.75
Bull elk for breeding/stocking	\$2,396.43
Cow elk for breeding/stocking	\$958.57
Nonadult male elk	\$299.55
Nonadult female elk	\$159.76

These values are obtained by multiplying the aggregate survey values for deer and elk and the FSA values for deer and elk by the adjustment factors described below.

⁸ Stocker deer and elk are those deer and elk sold to hunting operations.

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<u>Factor</u>	<u>Adjustment</u>
Buck deer for meat	FSA value times 1.5 ⁹
Doe deer for meat	FSA value times 1
Buck deer for breeding/stocking	Survey value times 1.25 ¹⁰
Doe deer for breeding/stocking	Survey value times .5 ¹¹
Nonadult male deer	Breeding buck value divided by 8 ¹²
Nonadult female deer	Breeding doe value divided by 6 ¹³
Bull elk for meat	FSA value times 1.5
Cow elk for meat	FSA value times 1
Bull elk for breeding/stocking	Survey value times 1.25
Cow elk for breeding/stocking	Survey value times .5
Nonadult male elk	Breeding bull value divided by 8
Nonadult female elk	Breeding cow value divided by 6

Values calculated from limited industry surveys.

Limited industry surveys provide data from commodity-specific industry representatives to support the development of possible premium values for application to specialty production categories. Data may include sales data or cost data regarding the specific specialty category. Appropriate sales data would document nationally representative sales of animals in the specialty category. Appropriate cost data would document nationally representative production costs for animals in the specialty category in relation to production costs for conventionally produced animal categories such as those that appear in the USDA commercial indemnity table.

Subcategories of turkey production classes not included in commercial indemnity tables

Values are from a limited survey conducted by the National Turkey Federation (NTF) in 2020, using a cost approach. NTF reported the values from 2019. These calculated values are shown in relation to values from the 2022 USDA Commercial Indemnity Table for conventional production turkeys, along with estimated premium values.

⁹ The FSA deer value (at 100 percent market value) is assumed to be the meat value of a doe deer. A buck is assumed to weigh 1.5 times the weight of a doe deer. A factor of one and one half (or 1.5) is therefore used to adjust the FSA deer value to a meat value for a buck.

¹⁰ Assumes that a 4-year-old buck of common quality with a Safari Club International (SCI) antler score from 160-169 is valued at \$2,000. This value divided by the 2017 survey value of \$1,622.53 yields an adjustment factor of 1.23. A factor of one and one quarter (or 1.25) is therefore used to adjust the 2017 survey value to a value for a common quality buck.

¹¹ Assumes that a 2-year-old doe from a common quality sire is valued at \$750. This value divided by the 2017 survey value of \$1,622.53 yields an adjustment factor of 0.46. A factor of one half (or 0.5) is therefore used to adjust the 2017 survey value to a value for a common quality doe.

¹² Assumes that a buck fawn from a common quality sire is valued at \$250. This value divided by the breeding buck value calculated above yields an adjustment factor of 0.123. A factor of one eighth is therefore used to adjust the value of the calculated breeding buck value to a value of a buck fawn.

¹³ Assumes that a doe fawn from a common quality sire is valued at \$125. This value divided by the breeding doe value calculated above yields an adjustment factor of 0.154. A factor of one sixth is therefore used to adjust the value of the calculated breeding doe value to a value of a doe fawn.

Specialty Indemnity Values for 2022

<i>Specialty Turkey group</i>	<i>Calculated Value from Survey (2019)</i>	<i>Commercial Table Value (2022)</i>	<i>Premium</i>
Organic ¹⁴			
Hens	\$21.33	\$16.00	33.34%
Toms	\$52.83	\$27.36	93.10%
Breeder			
Hens	\$85.41	\$16.00	433.94%
Toms	\$184.18	\$27.36	573.19%

The premium percentages calculated above are applied to the values provided in the commercial table to estimate the values shown in Table 1. Age ranges are adjusted for productive phases of breeders. Two additional categories are added at the end of the productive life: (1) spent breeder turkeys are valued the same as full-grown commercial turkeys; (2) breeder turkeys 238-391 days of age are valued at the midpoint of the spent value and the peak production value.

Values calculated from publicly available, nationally representative online sources

These values were calculated using online sources that are nationally representative for 3 broad categories of backyard poultry: (1) standard fowl, (2) exotic fowl, and (3) gamebirds. These online sources are the catalogs posted by national hatcheries – Murray McMurray, Stromberg Chickens, Meyer Farms and Metzger Farms¹⁵ – for most varieties of backyard fowl.

Within each category of backyard poultry, bird indemnity values are further segregated by age and, for standard fowl, by weight. The age groupings include fertilized eggs, young birds less than one-month old, juvenile birds which are fully feathered but not capable of reproducing yet, and adult birds. The basic formula used to calculate each age group are listed below:

Fertilized Eggs = Day Old Values * Hatch Rate %

Young Birds = Day Old Values

Juvenile Birds = Day Old Values + [Cost of Feed to bring to Adult Weight / 2]

Adult Birds = Day Old Values + Cost of Feed to bring to Adult Weight

Table Eggs = Average Retail Price per Egg

Values are calculated by combining the base price per young bird at national hatcheries with the costs of feed incurred in raising a bird. The resulting values are presented in Table 1.

¹⁴ An aggregate value for organic turkeys is available in the Five-year Organic Survey. However, this value does not distinguish between Hens and Toms.

¹⁵ Metzger Farms breeds and sells only waterfowl (ducks and geese) and meat production chickens. Only their waterfowl prices are relevant to the calculations discussed herein. Meat production poultry is captured in the Commercial Indemnity Table.

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