

Victoria Schultz

# Livestock Production

## Senior Thesis Research

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### Introduction

"Livestock production — which includes meat, milk and eggs — contributes 40% of global agricultural gross domestic product, provides income for more than 1.3 billion people and uses one-third of the world's fresh water. There may be no other single human activity that has a bigger impact on the planet than the raising of livestock. But as a new study out today in the journal *Proceedings of the National Academy of Sciences*(PNAS) shows, there is tremendous variation in how we raise livestock around the world — and major differences in what that means for the earth and for us."

- Bryan Walsh, *science.time.com*

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## Table of Contents

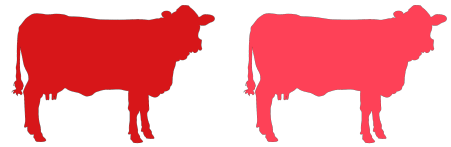
<b>Introduction</b>	<b>1</b>
<b>Cattle Production</b>	<b>4</b>
<b>Goat Production</b>	<b>7</b>
<b>Sheep Production</b>	<b>9</b>
<b>Hog Production</b>	<b>11</b>
<b>Chicken Production</b>	<b>13</b>
<b>Turkey Production</b>	<b>15</b>
<b>50 States</b>	<b>17</b>
Alabama	18
Alaska	20
Arizona	22
Arkansas	24
California	26
Colorado	28
Connecticut	30
Delaware	32
Florida	34
Georgia	36
Hawaii	38
Idaho	40
Illinois	42
Indiana	44
Iowa	46
Kansas	48
Kentucky	50
Louisiana	52
Maine	54
Maryland	56
Massachusetts	58
Michigan	60
Minnesota	62
Mississippi	64
Missouri	66
Montana	68

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Nebraska	70
Nevada	72
New Hampshire	74
New Jersey	76
New Mexico	78
New York	80
North Carolina	82
North Dakota	84
Ohio	86
Oklahoma	88
Oregon	90
Pennsylvania	92
Rhode Island	94
South Carolina	96
South Dakota	98
Tennessee	100
Texas	102
Utah	104
Vermont	106
Virginia	108
Washington	110
West Virginia	112
Wisconsin	114
Wyoming	116
<b>Totals</b>	<b>118</b>
<b>Sources</b>	<b>122</b>

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# Data



## Cattle Produced for Beef

Yields 490 - 640 lbs of Meat per unit

## Cattle Produced for Milk

Milk Cows live an average of 5 years

Only apart of the milking herd for 3 years

19,825 lbs of Milk per unit per year

59,475 lbs of Milk per unit per lifespan

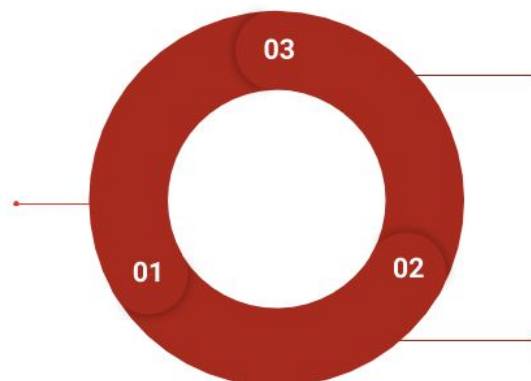
\*\*\*1 US **gallon** of water (**gal**) = 8.35 pounds of water (**lb wt.**.)\*\*\*

Approx. 7,122 gallons of Milk per unit per lifespan

### Air Pollution

"Across the globe, livestock spew 14.5 percent of all greenhouse gases (methane, carbon dioxide, nitrous oxide and fluorinated gases) released in the environment, and over half that comes specifically from cows, according to a United Nations report.

With every episode of gas and especially burping, cattle release methane, which is 23 times more harmful than carbon dioxide, the main greenhouse gas in car emissions"



### Loss of Environment

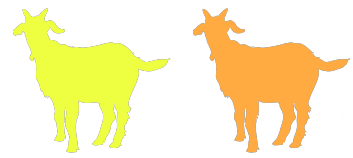
"Unsustainable dairy farming and feed production can lead to the loss of ecologically important areas, such as prairies, wetlands, and forests."

### Water Pollution

"The phosphorus and nitrogen in cow manure, after it's applied to farmland as fertilizer, can run off with rainfall into local waterways contributing to algal blooms that turn the water green and can produce toxins harmful to drinking water."

Blood	Bones	Brain	Fat	Hair
<ul style="list-style-type: none"> <li>• Adhesives</li> <li>• Cake Mixes</li> <li>• Dyes and Inks</li> <li>• Imitation Eggs</li> <li>• Laboratory Research Materials</li> <li>• Medicines</li> <li>• Minerals</li> <li>• Pasta</li> </ul>	<ul style="list-style-type: none"> <li>• Charcoal</li> <li>• Fertilizer</li> <li>• Glass</li> <li>• Refined sugar</li> </ul>	<ul style="list-style-type: none"> <li>• Anti-aging Cream</li> <li>• Medicines</li> </ul>	<ul style="list-style-type: none"> <li>• Anti-freeze</li> <li>• Biodiesel</li> <li>• Candles</li> <li>• Cement</li> <li>• Ceramics</li> <li>• Chalk</li> <li>• Chewing gum</li> <li>• Cosmetics</li> <li>• Crayons</li> <li>• Creams and lotions</li> <li>• Deodorant</li> <li>• Detergents</li> <li>• Explosives</li> <li>• Fabric Softener</li> <li>• Fertilizer</li> <li>• Fireworks</li> <li>• Insulation</li> <li>• Linoleum</li> <li>• Margaine</li> <li>• Matches</li> <li>• Medicines</li> <li>• Oils and Lubricants</li> <li>• Paint</li> <li>• Perfume</li> <li>• Pet food</li> <li>• Plastics</li> <li>• Rubber</li> <li>• Shaving cream</li> <li>• Textiles</li> <li>• Waterproofing agents</li> <li>• Wax Paper</li> </ul>	<ul style="list-style-type: none"> <li>• Air filters</li> <li>• Brushes</li> <li>• Felt</li> <li>• Insulation</li> <li>• Plaster</li> <li>• Textiles</li> </ul>

Hooves	Organs	Manure	Milk	Skin
<ul style="list-style-type: none"> <li>• Adhesives</li> <li>• Conditioner</li> <li>• Emery Boards</li> <li>• Lamination</li> <li>• Pet Food</li> <li>• Photo Film</li> <li>• Plant Food</li> <li>• Plastics</li> <li>• Plywood</li> <li>• Shampoo</li> <li>• Wall Paper</li> </ul>	<ul style="list-style-type: none"> <li>• Hormones, enzymes, vitamins, and other medical materials</li> <li>• Instrument strings</li> <li>• Tennis racquet strings</li> </ul>	<ul style="list-style-type: none"> <li>• Fertilizer</li> <li>• Nitrogen</li> <li>• Phosphorous</li> </ul>	<ul style="list-style-type: none"> <li>• Adhesives</li> <li>• Cosmetics</li> <li>• Medicines</li> <li>• Plastics</li> </ul>	<ul style="list-style-type: none"> <li>• Adhesives</li> <li>• Candies and confectionery</li> <li>• Emery Boards</li> <li>• Flavorings</li> <li>• Gelatin</li> <li>• Leather</li> <li>• Medicines</li> <li>• Sheetrock</li> <li>• Wallpaper</li> </ul>



## Goats Produced for Meat

Yields 25 - 50 lbs of Meat per unit

## Goats Produced for Milk

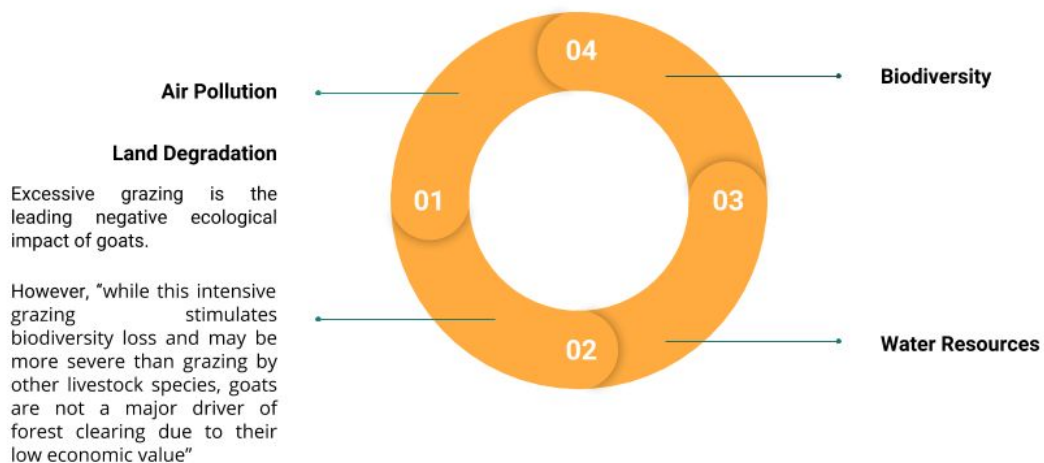
Goats live for 8-12 years

1,800 lbs of Milk per unit per year

14,400 - 21,600 lbs of Milk per unit per lifespan

\*\*\*1 US **gallon** of water (**gal**) = 8.35 pounds of water (**lb wt.**)\*\*\*

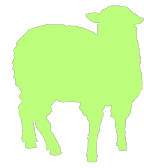
Approx. 1,724 - 2,586 gallons of Milk per unit per lifespan



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Bones	Hide	Manure	Milk	Fat
<ul style="list-style-type: none"><li>• Dog Bones</li><li>• Walking sticks</li></ul>	<ul style="list-style-type: none"><li>• Book Binding</li><li>• Cashmere</li><li>• Drums</li><li>• Gloves</li><li>• Leather</li><li>• Moccasins</li><li>• Mohair</li></ul>	<ul style="list-style-type: none"><li>• Fertilizer</li></ul>	<ul style="list-style-type: none"><li>• Baby Formula</li><li>• Beer</li><li>• Beestings</li><li>• Butter</li><li>• Candles</li><li>• Cheese</li><li>• Clothes</li><li>• Eggnog</li><li>• Fudge</li><li>• Gajeta</li><li>• Kefir</li><li>• Lip Balm</li><li>• Lotion</li><li>• Milkshakes</li><li>• Paint</li><li>• Pet wipes</li><li>• Pudding</li><li>• Soap</li><li>• Yogurt</li></ul>	<ul style="list-style-type: none"><li>• Candles</li></ul>





## Sheep Including Lambs

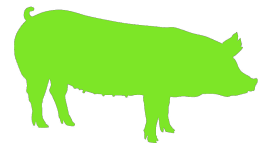
Yields 34 lbs of Meat per unit

\*\*\*Sheep also yield milk, however, my resources did not explore this aspect\*\*\*



Blood	Bones	Fat	Hide	Intestines
<ul style="list-style-type: none"> <li>• Agar for culturing bacteria</li> <li>• Antidote for overdose Digoxin</li> <li>• Cytofab</li> <li>• North American rattlesnake anti-venom</li> <li>• Stem cell research</li> </ul>	<ul style="list-style-type: none"> <li>• Adhesive tape</li> <li>• Bandage strips</li> <li>• Bone charcoal pencils</li> <li>• Buttons</li> <li>• Cellophane wrap</li> <li>• Collagen &amp; Bone for plastic surgery</li> <li>• Gelatin capsules</li> <li>• Gelatin desserts</li> <li>• Glycerin</li> <li>• Fertilizers</li> <li>• Ice cream</li> <li>• Marshmallows</li> <li>• Pet food</li> <li>• Phonograph records</li> <li>• Piano keys</li> <li>• Steel ball bearings</li> <li>• Syringes</li> <li>• Wallpaper</li> <li>• Wallpaper paste</li> </ul>	<ul style="list-style-type: none"> <li>• Chewing gum</li> <li>• Explosives</li> <li>• Paints</li> <li>• Solvents</li> </ul>	<ul style="list-style-type: none"> <li>• Bricks</li> <li>• Carpet</li> <li>• Caskets</li> <li>• Chair covers</li> <li>• Chamois cloth</li> <li>• Clothing/Socks</li> <li>• Hanging basket liners</li> <li>• Insulated boxes</li> <li>• Insulation</li> <li>• Luggage</li> <li>• Mattress filling</li> <li>• Mulch Pads</li> <li>• Oil spill cleanup pads</li> <li>• Paint Brushes</li> <li>• Pool table baize</li> <li>• Tennis ball covers</li> <li>• Upholstery</li> <li>• Yarn</li> </ul>	<ul style="list-style-type: none"> <li>• Medical sutures</li> <li>• Musical instrument strings</li> <li>• Sausage casings</li> <li>• Tennis racquet strings</li> </ul>

Lanolin	Milk	Wool
<ul style="list-style-type: none"> <li>• Adhesive tape</li> <li>• Auto lubrication</li> <li>• Conditioner</li> <li>• Cosmetics</li> <li>• Lotions</li> <li>• Motor oils</li> <li>• Pharmaceuticals</li> <li>• Printing ink</li> <li>• Shampoo</li> </ul>	<ul style="list-style-type: none"> <li>• Butter</li> <li>• Cheese</li> <li>• Ice cream</li> <li>• Yogurt</li> </ul>	<ul style="list-style-type: none"> <li>• Bone graft implants</li> <li>• Wound dressings</li> </ul>



## Hogs Produced

Yields 144 lbs of Meat per unit

### Air Pollution

"Open lagoons also cause air pollution, with ammonia, nitrogen and methane gases freely leaking into the atmosphere and foul odours from manure pit gasses wafting over to neighbouring communities."



### Water Pollution

"About 68 percent of the nation's lakes, reservoirs and ponds and more than half of its rivers and streams are impaired, the U.S. Environmental Protection Agency says, meaning they don't meet one or more water-quality standards and are considered too polluted for the intended use. The main culprit: agriculture, including poorly located or poorly managed animal-feeding operations and misapplication of chemicals and fertilizer, EPA reports show."

### Land Degradation

Blood	Bones	Cartilage	Fat	Manure
<ul style="list-style-type: none"> <li>• Cigarette filters</li> <li>• Dog treats</li> <li>• Fish food</li> <li>• Photodynamic therapy</li> <li>• Plywood adhesive</li> </ul>	<ul style="list-style-type: none"> <li>• Batteries</li> <li>• Bone china</li> <li>• Bullets</li> <li>• Candles</li> <li>• Cork</li> <li>• Fabric softener</li> <li>• Glue</li> <li>• Inkjet paper</li> <li>• Match head</li> <li>• Moisturizer</li> <li>• Organic fertilizer for plants</li> <li>• Paint</li> <li>• Photographic Film</li> <li>• Shampoo</li> <li>• Shoes</li> <li>• Soap</li> <li>• Toothpaste</li> <li>• Train Brakes</li> <li>• Washing powder</li> <li>• Water filters</li> <li>• Yogurt</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical Weapons Testing</li> <li>• Dog treats</li> </ul>	<ul style="list-style-type: none"> <li>• Antifreeze</li> <li>• Baked goods</li> <li>• Cellophane</li> <li>• Chalk</li> <li>• Cosmetics</li> <li>• Crayons</li> <li>• Floor waxes</li> <li>• Insecticides</li> <li>• Plastics</li> <li>• Rubber</li> <li>• Shaving creams</li> <li>• Soaps</li> <li>• Waterproofing agents</li> </ul>	<ul style="list-style-type: none"> <li>• Alternative energy</li> <li>• Fertilizer</li> </ul>

Organs	Skin
<ul style="list-style-type: none"> <li>• Heparin</li> <li>• Heart valves</li> <li>• Insulin</li> <li>• Medical sutures</li> <li>• Pet food</li> <li>• Tambourines</li> </ul>	<ul style="list-style-type: none"> <li>• Alcohol</li> <li>• Bread</li> <li>• Cheesecake</li> <li>• Cream cheese</li> <li>• Drumheads</li> <li>• Face masks</li> <li>• Fertilizer</li> <li>• Footballs</li> <li>• Fruit Juice</li> <li>• Hide Glue</li> <li>• Ice cream</li> <li>• Insulation</li> <li>• Low-fat butter</li> <li>• Luggage and purses</li> <li>• Medical capsule pills</li> <li>• Paint brushes</li> <li>• Protein/energy bars</li> <li>• Safety gloves</li> <li>• Suede</li> <li>• Sweets/Candy</li> <li>• Upholstery</li> <li>• Whipped cream</li> </ul>



## Chickens Produced

5 - 8 lbs of Meat per unit

Chickens can be used for both Meat and Eggs, however Egg Hens lay more eggs

On average, a Chicken can lay 276 eggs per year per unit

### Pathogens

"Manure also contains pathogens which may potentially affect soil and water resources, particularly if poorly managed. Parasites such as Cryptosporidium and Giardia spp. can easily spread from manure to water supplies and can remain viable in the environment for long periods of time"



### Water Pollution

"Storage of waste or over-fertilization of land with chicken manure can cause runoff into rivers, lakes and ponds."

### Air Pollution

"Large chicken farming operations cause odors and emissions of ammonia, hydrogen sulfide and poultry dust, containing bacteria, bacterial toxins and chicken skin debris."

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Feathers	Manure
<ul style="list-style-type: none"><li>• Circuit boards</li><li>• Clothing</li><li>• Cosmetics</li><li>• Diapers</li><li>• Fet Food</li><li>• Filters</li><li>• Hurricane proof roofing</li><li>• Insulation</li><li>• Paper</li><li>• Planting pots</li><li>• Plastics</li><li>• Pillow stuffing</li><li>• Shoe soles</li><li>• Upholstery padding</li></ul>	<ul style="list-style-type: none"><li>• Fertilizer</li></ul>



## Turkeys Produced

8 lbs of Meat per unit



\*\*\*Fewer turkeys are produced on farms than hunted in the wild. However, for those raised on farms their environmental impact is similar to that of chicken and other poultry.\*\*\*

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Bones	Feathers
<ul style="list-style-type: none"><li>• Whistles</li></ul>	<ul style="list-style-type: none"><li>• Arrows</li><li>• Clothing</li><li>• Diapers</li><li>• Feather meal</li><li>• Insulation</li><li>• Paper</li><li>• Pillow stuffing</li><li>• Plastics</li><li>• Upholstery padding</li></ul>



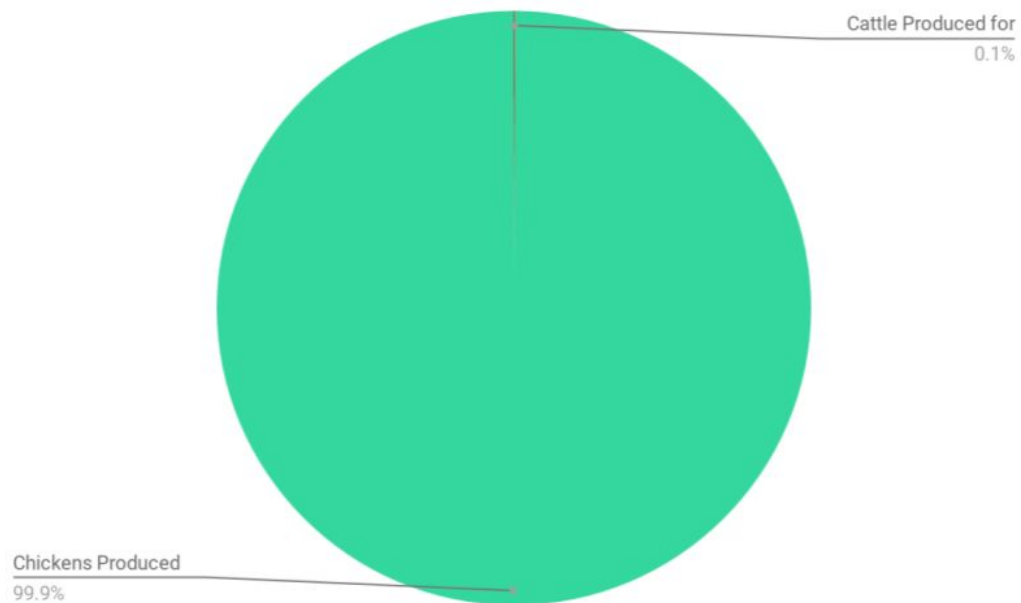
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# 50 States

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# Alabama

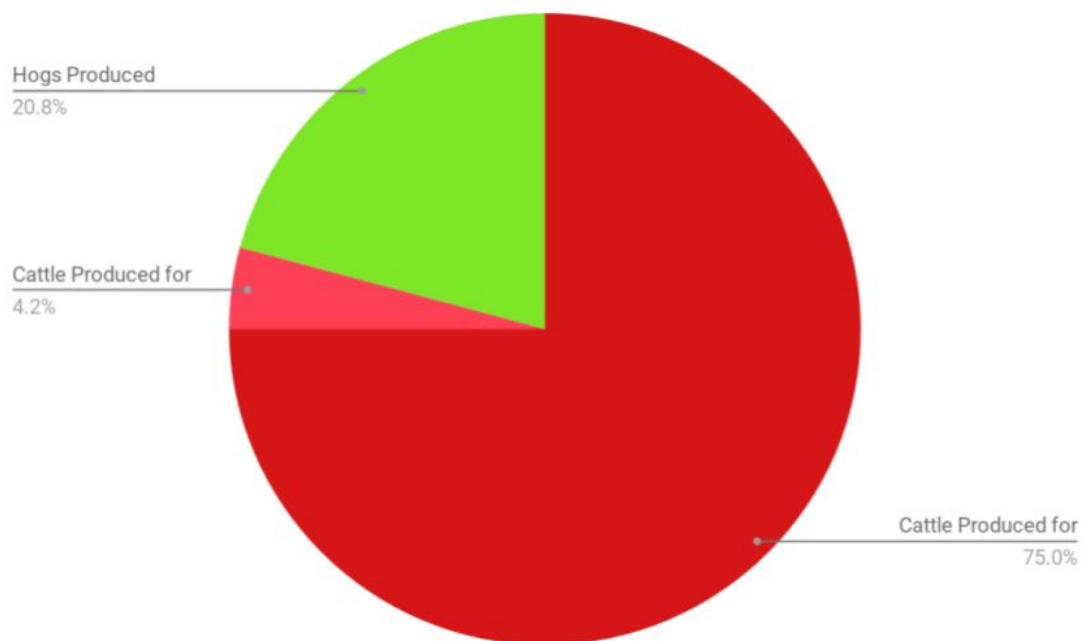
	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	0.1%	714,000	349,860,000 - 456,960,000 lbs
	Cattle Produced for Milk	0.0%	6,000	118,950,000 lbs / 14,245,509 gals
	Goats Produced for Meat	0.0%	47,000	1,175,000 - 2,350,000 lbs
	Goats Produced for Milk	0.0%	3,500	6,300,000 lbs / 754,491 gals
	Sheep Including Lambs	0.0%	0	0 lbs
	Hogs Produced	0.0%	57,000	8,208,000 lbs
	Chickens Produced	99.9%	1,095,400,000	5,477,000,000 - 8,763,200,000 lbs (302,330,400,000 eggs)
	Turkeys Produced	0.0%	0	0 lbs



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# Alaska

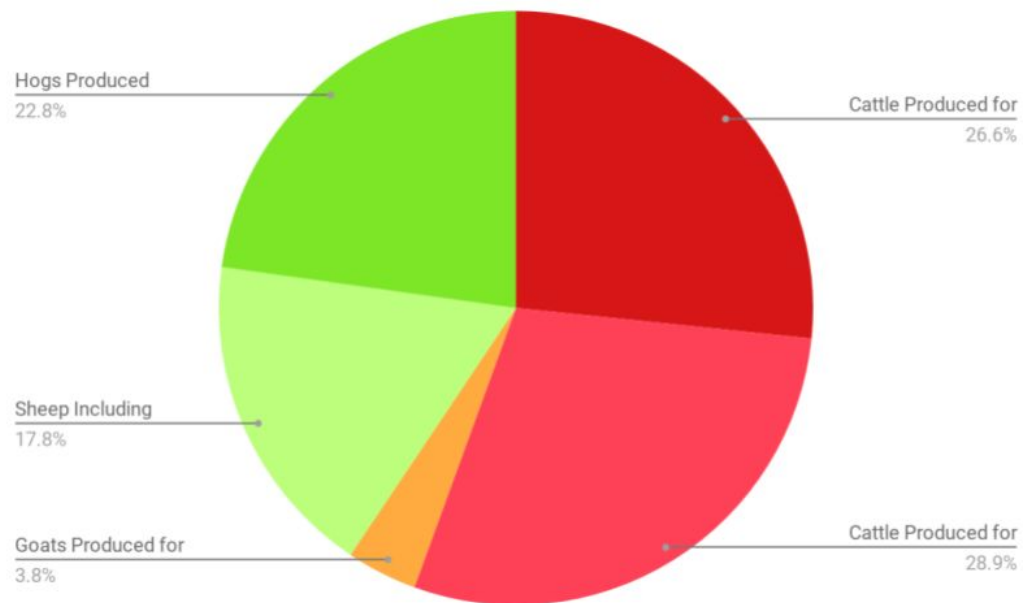
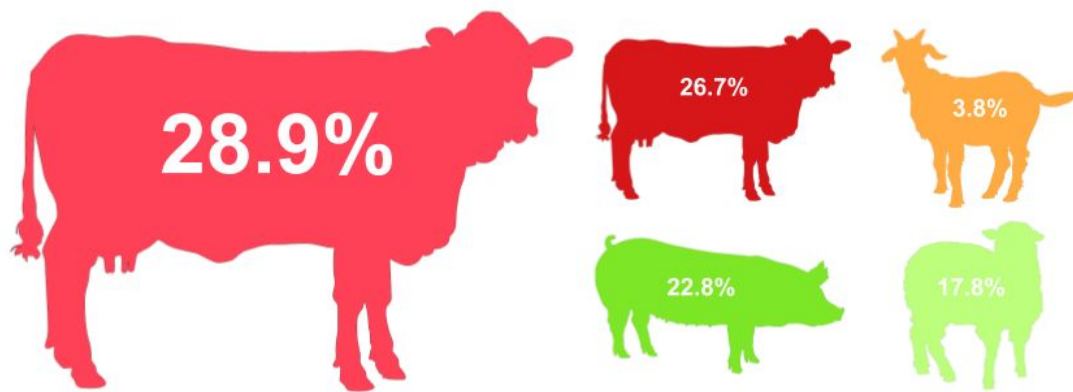
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	75%	5,400	2,646,000 - 3,456,000
	Cattle Produced for Milk	4.2%	300	5,947,500 (712,275 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	20.8%	1,500	216,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Arizona

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	26.7%	187,000	91,630,000 - 119,680,000
	Cattle Produced for Milk	28.9%	203,000	4,024,475,000 (481,973,054 gals)
	Goats Produced for Meat	3.8%	27,000	675,000 - 1,350,000
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	17.8%	125,000	4,250,000
	Hogs Produced	22.8%	160,000	23,040,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

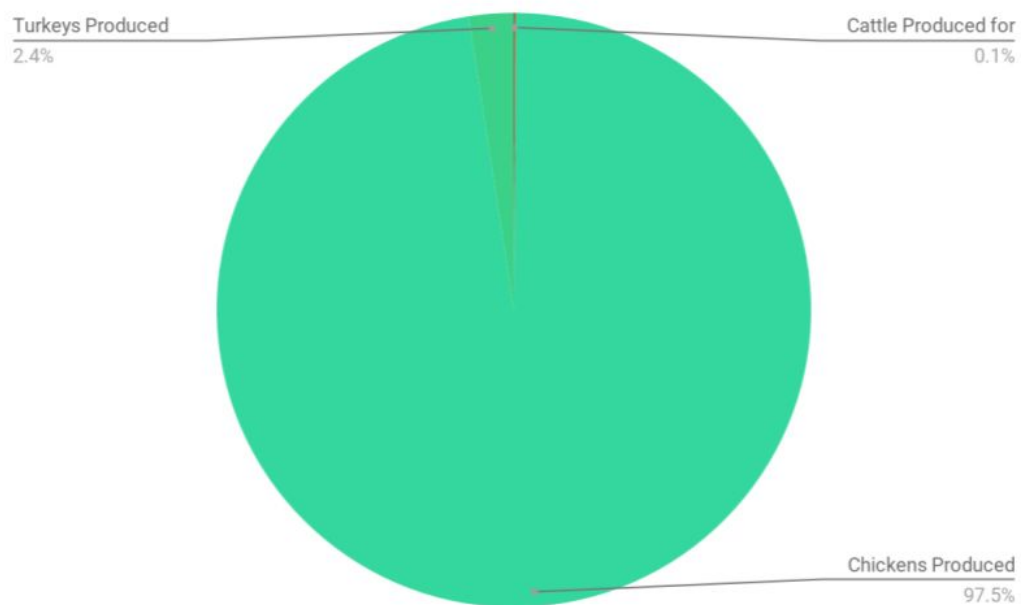


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# Arkansas

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.1%	924,000	452,760,000 - 591,360,000
	Cattle Produced for Milk	0.0%	6,000	118,950,000 (14,245,509 gals)
	Goats Produced for Meat	0.0%	33,000	825,000 - 1,650,000
	Goats Produced for Milk	0.0%	4,000	7,200,000 (862,275 gals)
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.0%	131,000	18,864,000
	Chickens Produced	97.5%	1,059,000,000	5,295,000,000 - 8,472,000,000 (292,284,000,000 eggs)
	Turkeys Produced	2.4%	26,500,000	212,000,000

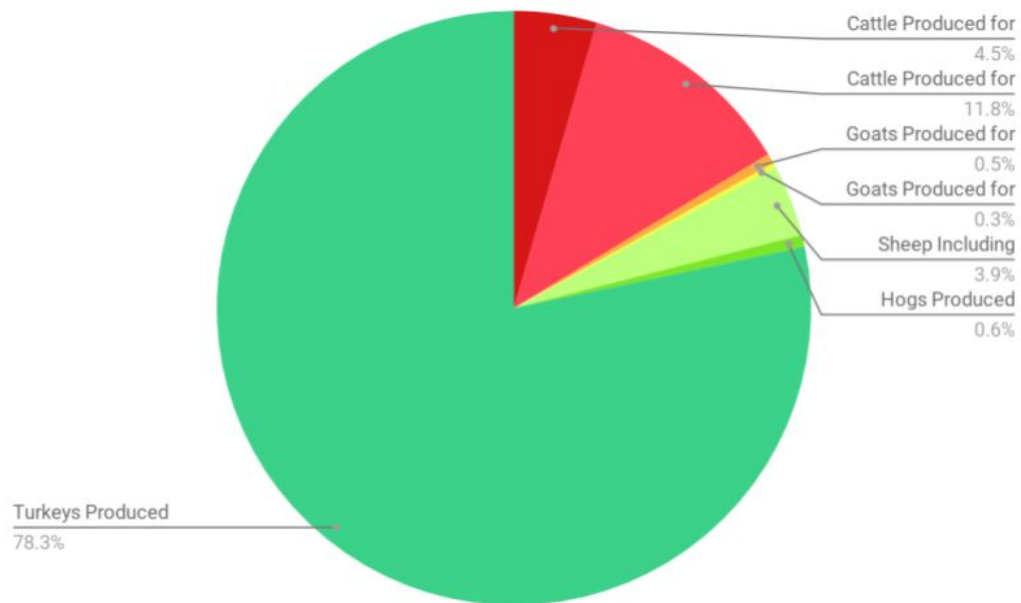




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# California

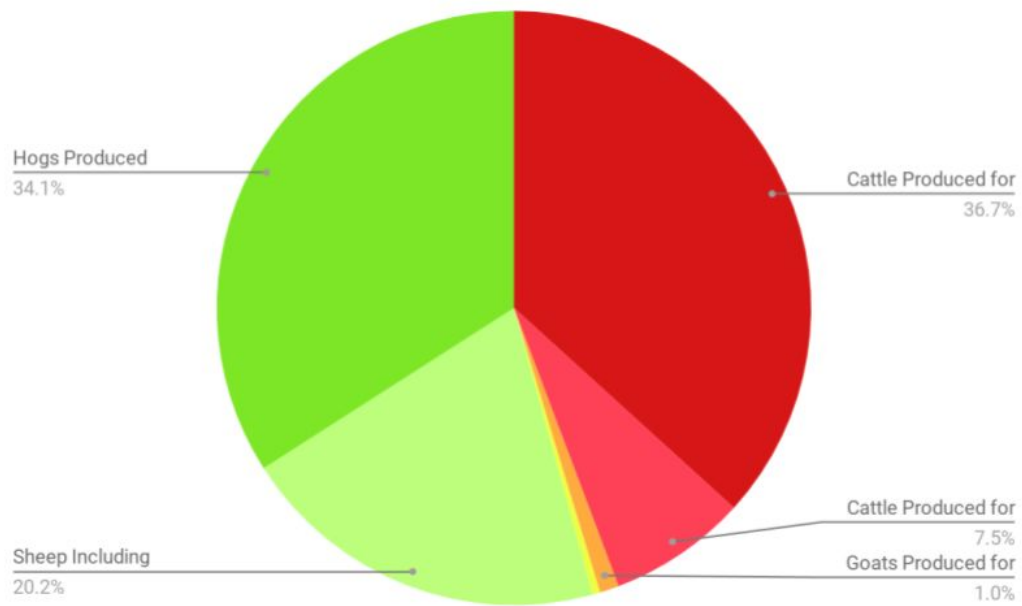
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	4.5%	660,000	323,400,000 - 422,400,000
	Cattle Produced for Milk	11.8%	1,740,000	34,495,500,000 (413,119,760 gals)
	Goats Produced for Meat	0.5%	80,000	2,000,000 - 4,000,000
	Goats Produced for Milk	0.3%	40,000	72,000,000 (8,622,754 gals)
	Sheep Including Lambs	4%	570,000	19,380,000
	Hogs Produced	0.6%	95,000	13,680,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	78.3%	11,500,000	92,000,000



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# Colorado

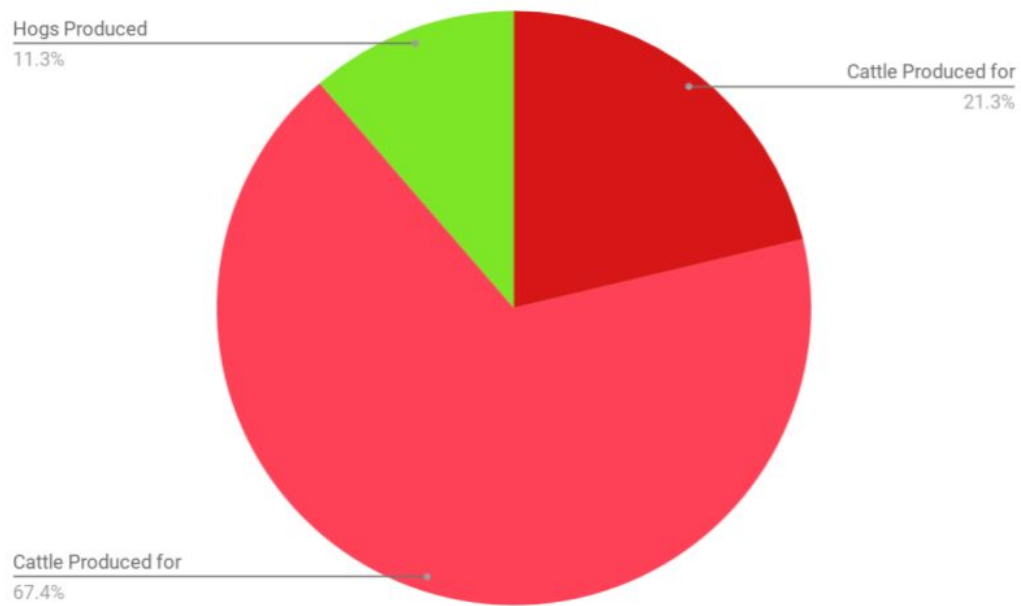
	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	36.8%	809,000	396,410,000 - 517,760,000
	Cattle Produced for Milk	7.5%	166,000	3,290,950,000 (394,125,749 gals)
	Goats Produced for Meat	1.0%	23,000	575,000 - 1,150,000
	Goats Produced for Milk	0.4%	9,000	16,200,000 (1,940,119 gals)
	Sheep Including Lambs	20.2%	445,000	15,130,000
	Hogs Produced	34.1%	750,000	108,000,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Connecticut

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	21.3%	6,000	2,940,000 - 3,840,000
	Cattle Produced for Milk	67.4%	19,000	376,675,000 (45,110,778 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	11.3%	3,200	460,800
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

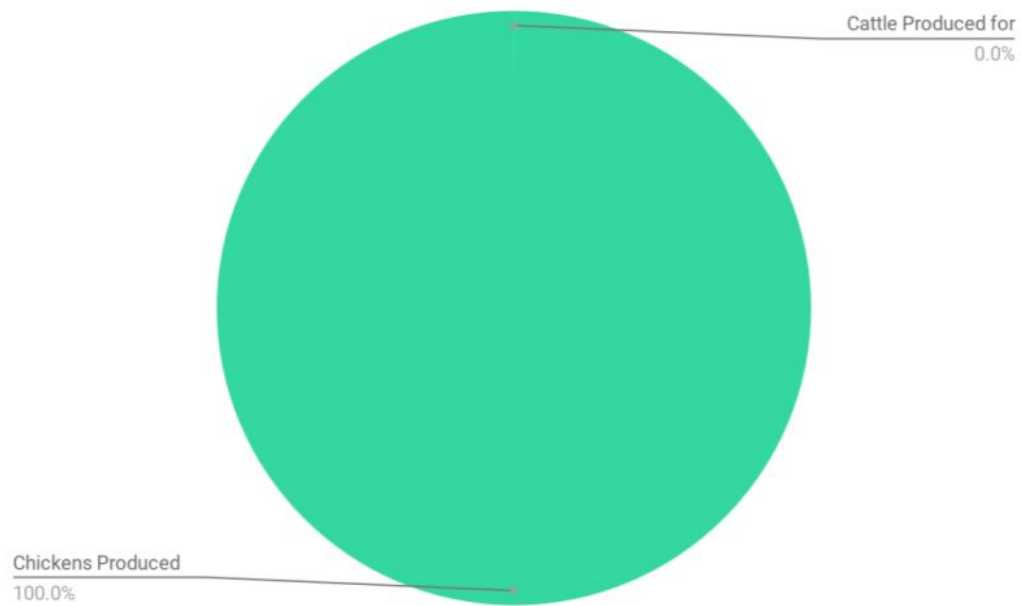


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# Delaware

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.0%	6,000	2,940,000 - 3,840,000
	Cattle Produced for Milk	0.0%	2,500	49,562,500 (5,935,628 gals)
	Goats Produced for Meat	0.0%	5,000	125,000 - 250,000
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.0%	6,000	864,000
	Chickens Produced	100%	259,800,000	1,299,000,000 - 2,078,400,000 (71,704,800,000 eggs)
	Turkeys Produced	0.0%	0	0

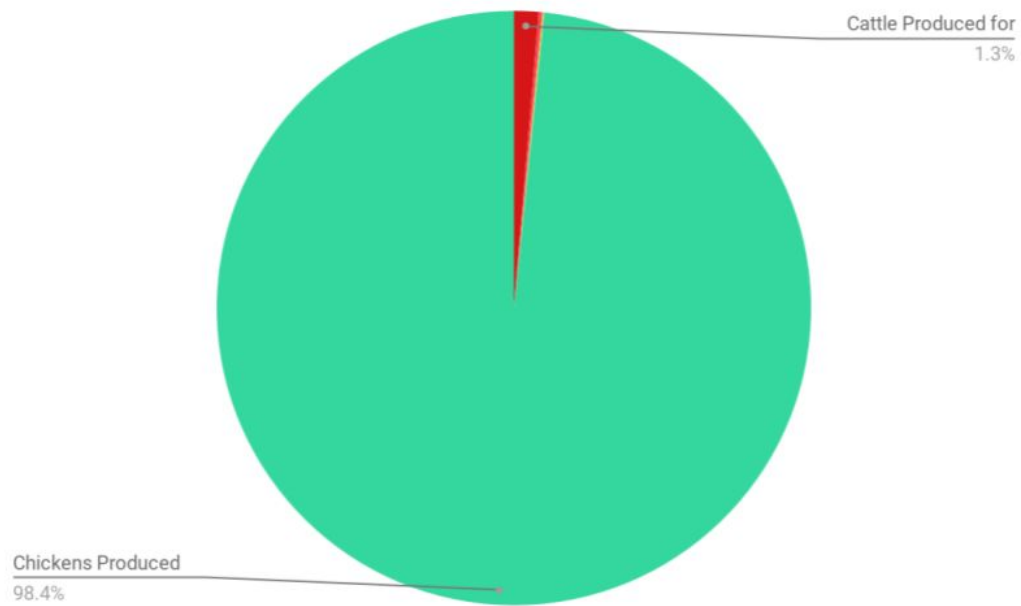
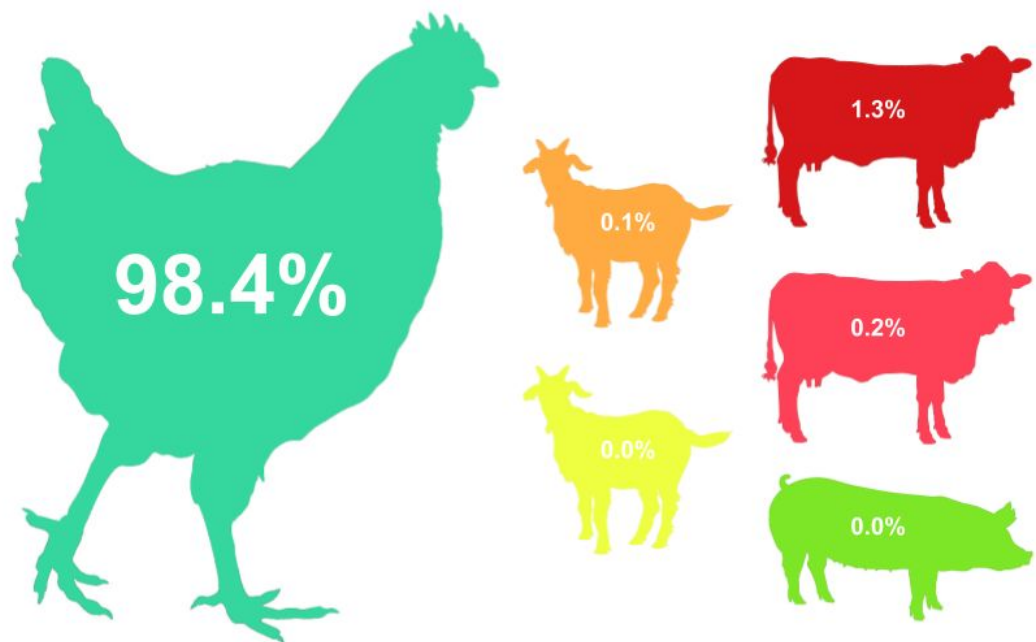




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# Florida

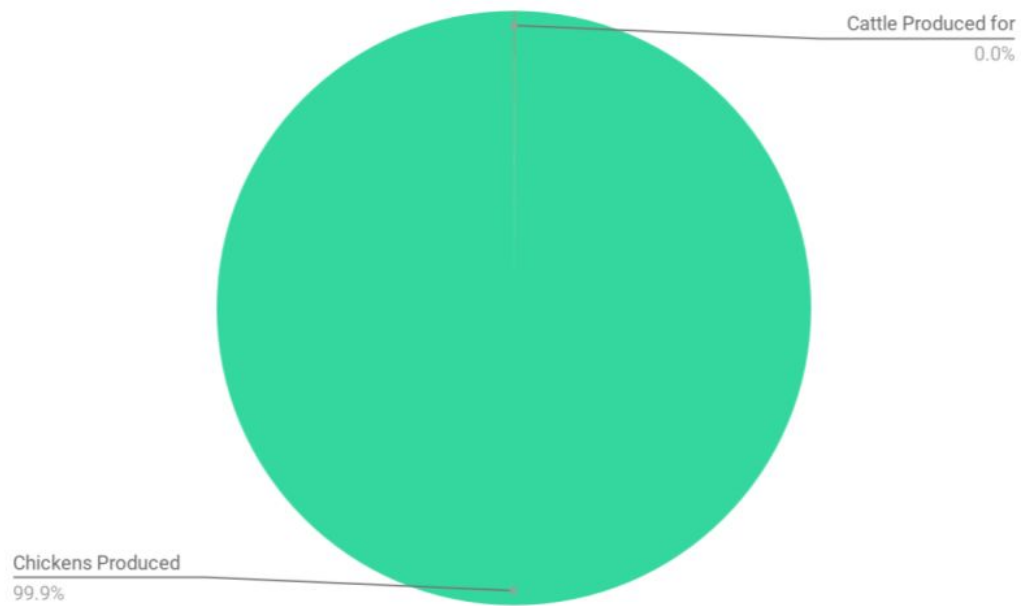
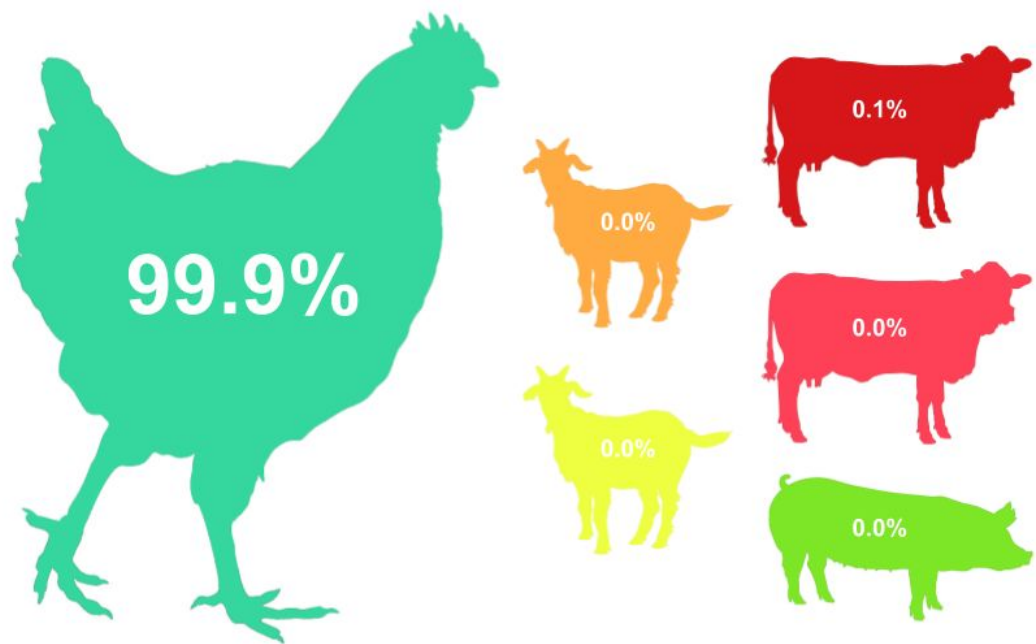
	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	1.3%	886,000	434,140,000 - 567,040,000
	Cattle Produced for Milk	0.2%	124,000	2,458,300,000 (294,407,186 gals)
	Goats Produced for Meat	0.1%	45,000	1,125,000 - 2,250,000
	Goats Produced for Milk	0.0%	10,000	18,000,000 (2,155,688 gals)
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.0%	15,000	2,160,000
	Chickens Produced	98.4%	65,200,000	326,000,000 - 521,600,000 (17,995,200,000 eggs)
	Turkeys Produced	0.0%	0	0



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# Georgia

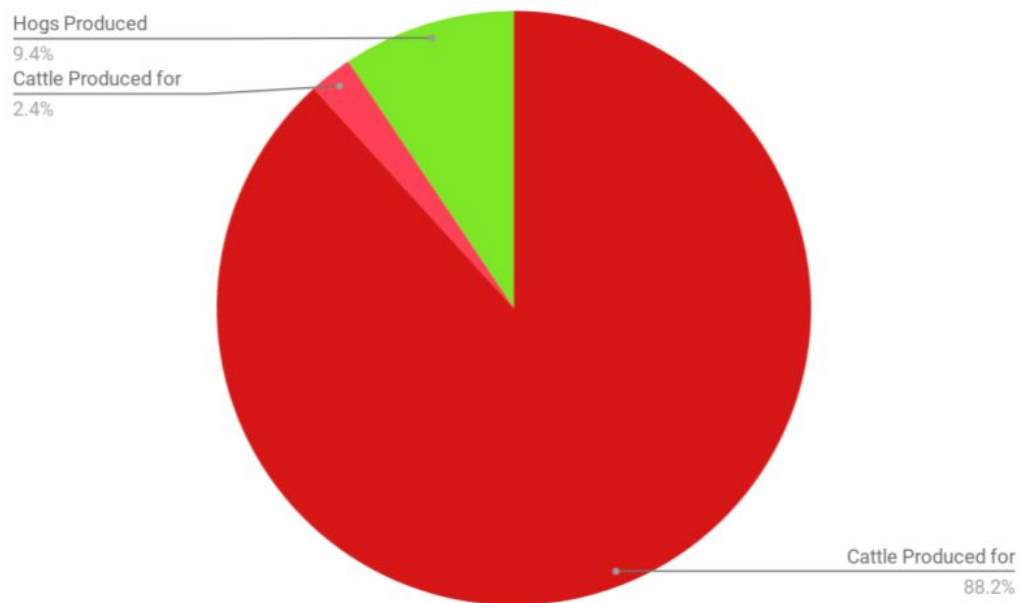
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.1%	485,000	237,650,000 - 310,400,000
	Cattle Produced for Milk	0.0%	85,000	1,685,125,000 (201,811,377 gals)
	Goats Produced for Meat	0.0%	70,000	1,750,000 - 3,500,000
	Goats Produced for Milk	0.0%	3,800	6,840,000 (819,161 gals)
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.0%	80,000	11,520,000
	Chickens Produced	99.9%	1,363,400,000	6,817,000,000 - 10,907,200,000 (376,298,400,000 eggs)
	Turkeys Produced	0.0%	0	0



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# Hawaii

	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	88.2%	75,000	36,750,000 - 48,000,000
	Cattle Produced for Milk	2.4%	2,000	39,650,000 (4,748,502 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	9.4%	8,000	1,152,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

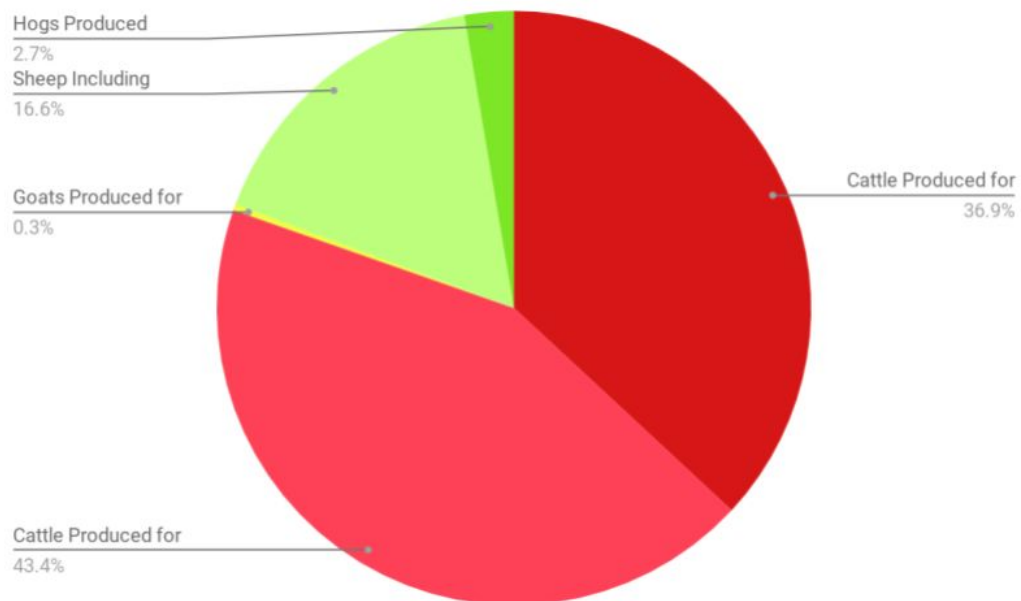


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# Idaho

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	37%	510,000	249,900,000 - 326,400,000
	Cattle Produced for Milk	43.4%	600,000	11,895,000,000 (1,424,551,000 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.3%	4,500	8,100,000 (970,059 gals)
	Sheep Including Lambs	16.6%	230,000	7,820,000
	Hogs Produced	2.7%	37,000	5,328,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

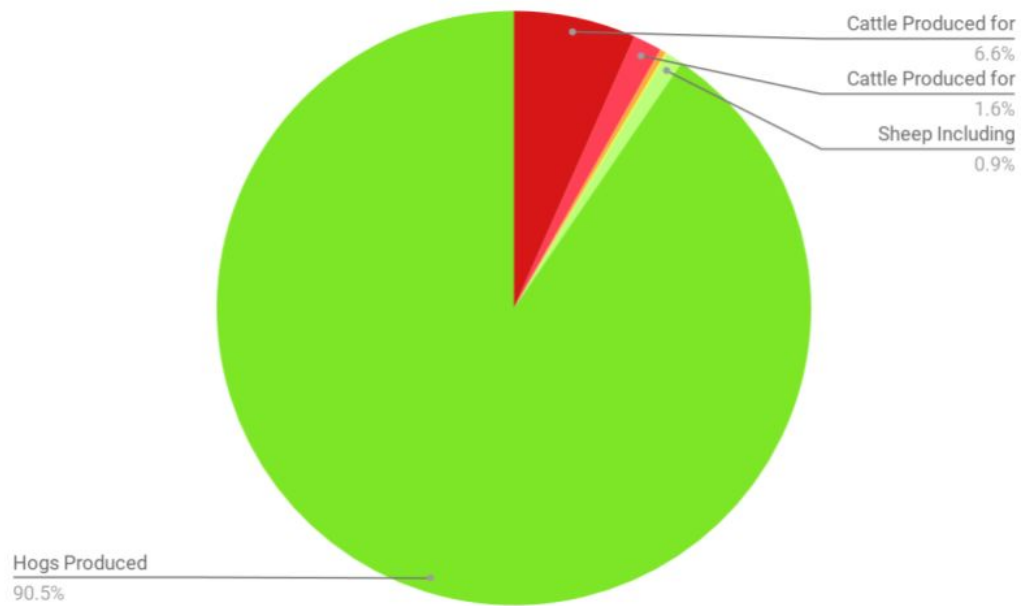




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# Illinois

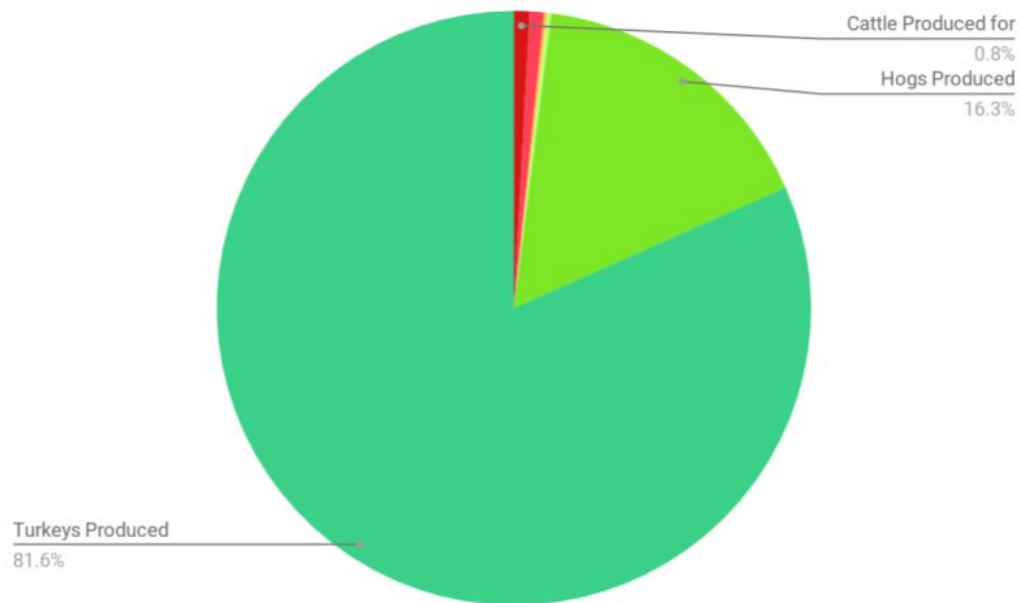
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	6.6%	397,000	194,530,000 - 254,080,000
	Cattle Produced for Milk	1.6%	93,000	1,843,725,000 (220,805,389 gals)
	Goats Produced for Meat	0.3%	19,000	475,000 - 950,000
	Goats Produced for Milk	0.1%	6,000	10,800,000 (1,293,413 gals)
	Sheep Including Lambs	0.9%	55,000	1,870,000
	Hogs Produced	90.5%	5,400,000	777,600,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Indiana

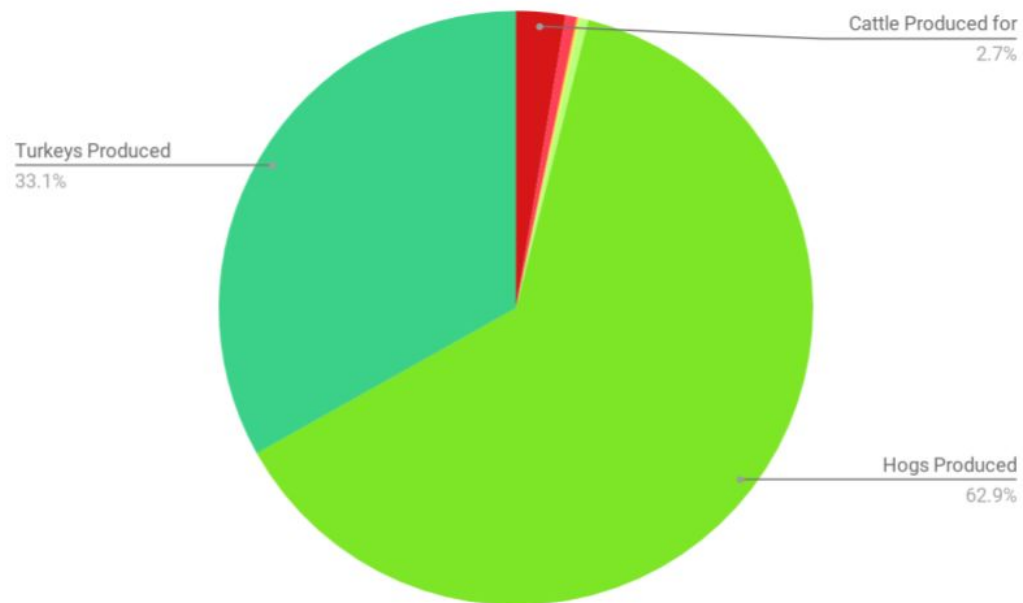
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.8%	208,000	101,920,000 - 133,120,000
	Cattle Produced for Milk	0.8%	187,000	3,707,275,000 (443,985,029 gals)
	Goats Produced for Meat	0.1%	36,000	900,000 - 1,800,000
	Goats Produced for Milk	0.2%	11,000	19,800,000 (2,371,257 gals)
	Sheep Including Lambs	0.2%	53,000	1,802,000
	Hogs Produced	16.3%	4,000,000	576,000,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	81.6%	20,000,000	160,000,000



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# Iowa

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	2.7%	970,000	475,300,000 - 620,800,000
	Cattle Produced for Milk	0.6%	220,000	4,361,500,000 (522,335,329 gals)
	Goats Produced for Meat	0.1%	35,000	875,000 - 1,750,000
	Goats Produced for Milk	0.2%	31,000	55,800,000 (6,682,634 gals)
	Sheep Including Lambs	0.4%	165,000	5,610,000
	Hogs Produced	62.9%	22,800,000	3,283,200,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	33.1%	12,000,000	96,000,000

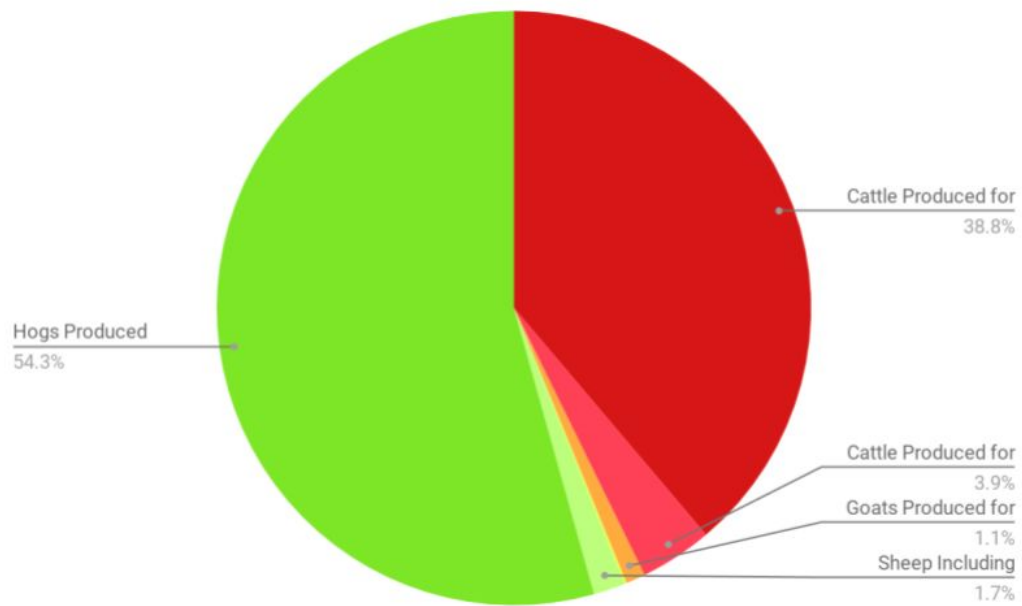


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# Kansas

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	38.9%	1,507,000	738,430,000 - 964,480,000
	Cattle Produced for Milk	3.9%	153,000	3,033,225,000 (363,260,479 gals)
	Goats Produced for Meat	1.1%	41,000	1,025,000 - 2,050,000
	Goats Produced for Milk	0.1%	4,400	7,920,000 (948,502 gals)
	Sheep Including Lambs	1.7%	67,000	2,278,000
	Hogs Produced	54.3%	2,110,000	303,840,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

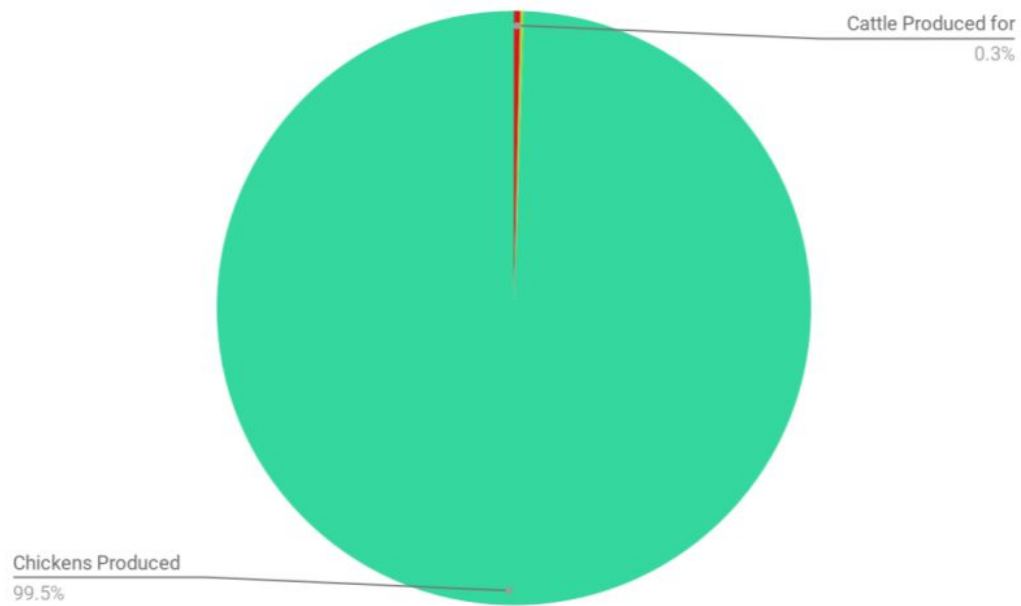




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# Kentucky

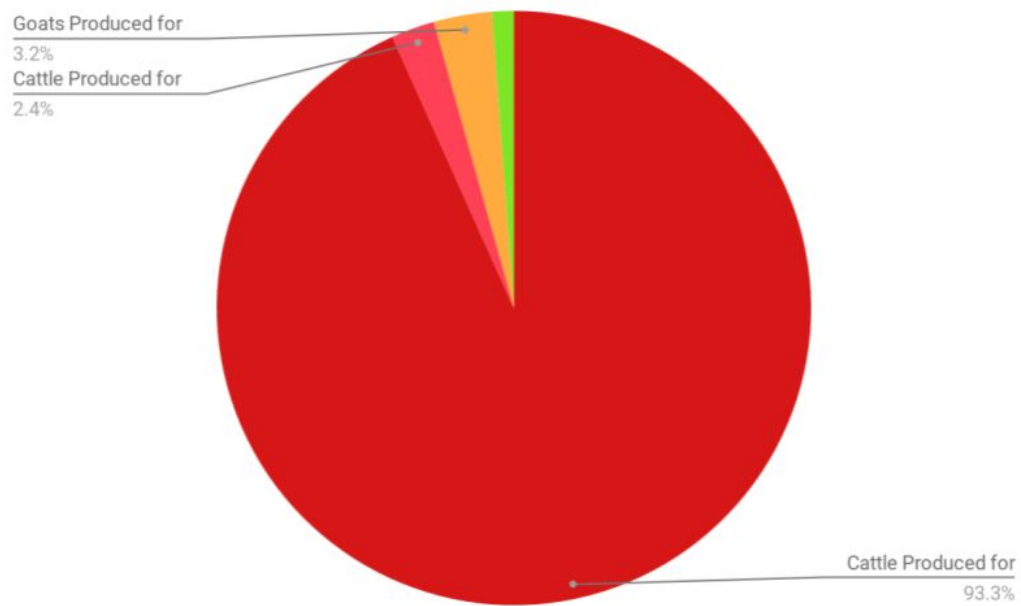
	<i>Section</i>	<i>Percent</i>	<i>Unit</i>	<i>Approximate Pounds</i>
	Cattle Produced for Beef	0.3%	1,033,000	506,170,000 - 661,120,000
	Cattle Produced for Milk	0.0%	57,000	1,130,025,000 (135,332,335 gals)
	Goats Produced for Meat	0.0%	57,000	1,425,000 - 2,850,000
	Goats Produced for Milk	0.0%	6,000	10,800,000 (1,293,413 gals)
	Sheep Including Lambs	0.1%	50,000	1,700,000
	Hogs Produced	0.1%	410,000	59,040,000
	Chickens Produced	99.5%	295,800,000	1,479,000,000 - 2,366,400,000 (81,640,800,000 eggs)
	Turkeys Produced	0.0%	0	0



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# Louisiana

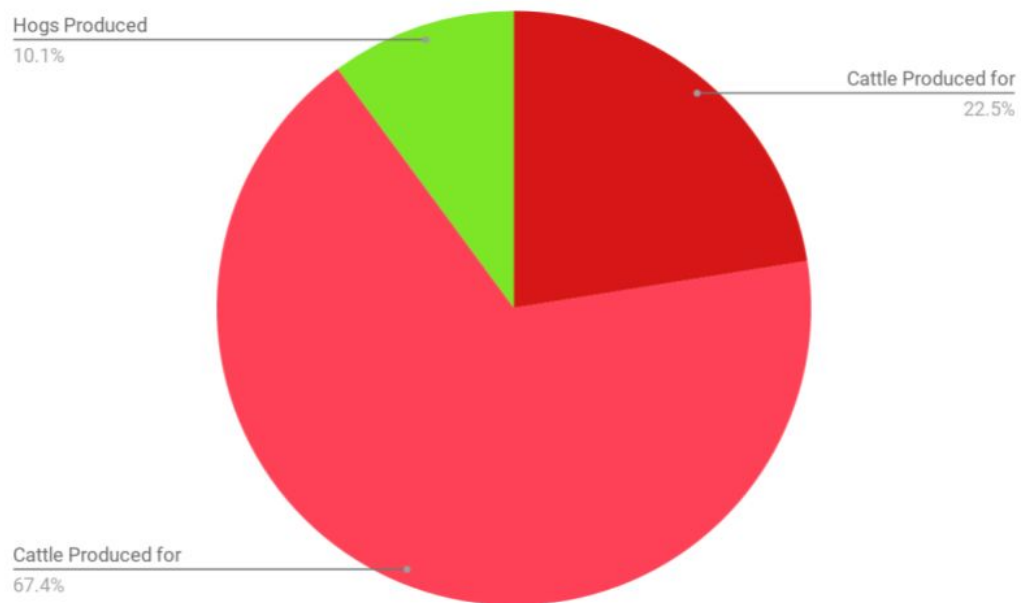
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	93.3%	473,000	231,770,000 - 302,720,000
	Cattle Produced for Milk	2.4%	12,000	237,900,000 (28,491,017 gals)
	Goats Produced for Meat	3.2%	16,000	400,000 - 800,000
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	1.2%	6,000	864,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Maine

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	22.5%	10,000	4,900,000 - 6,400,000
	Cattle Produced for Milk	67.4%	30,000	594,750,000 (71,227,544 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	10.1%	4,500	648,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

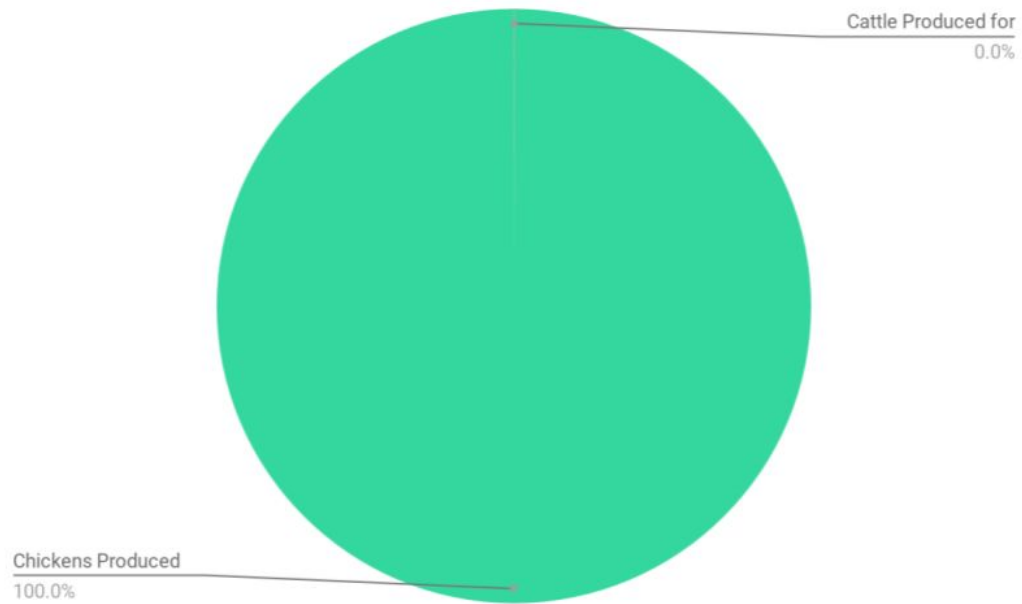
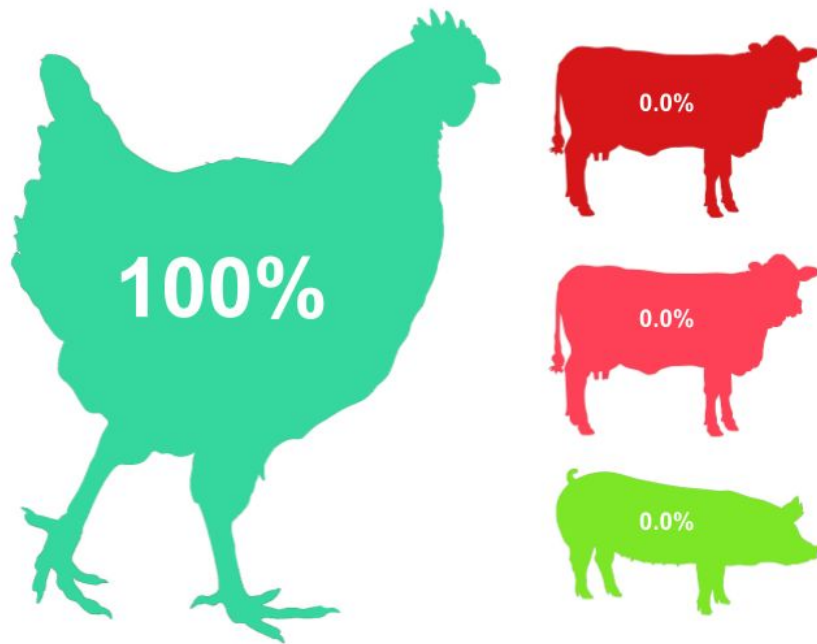


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# Maryland

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.0%	46,000	22,540,000 - 29,440,000
	Cattle Produced for Milk	0.0%	47,000	931,775,000 (111,589,820 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.0%	21,000	3,024,000
	Chickens Produced	100%	306,700,000	1,533,500,000 - 2,453,600,000 (84,649,200,000 eggs)
	Turkeys Produced	0.0%	0	0

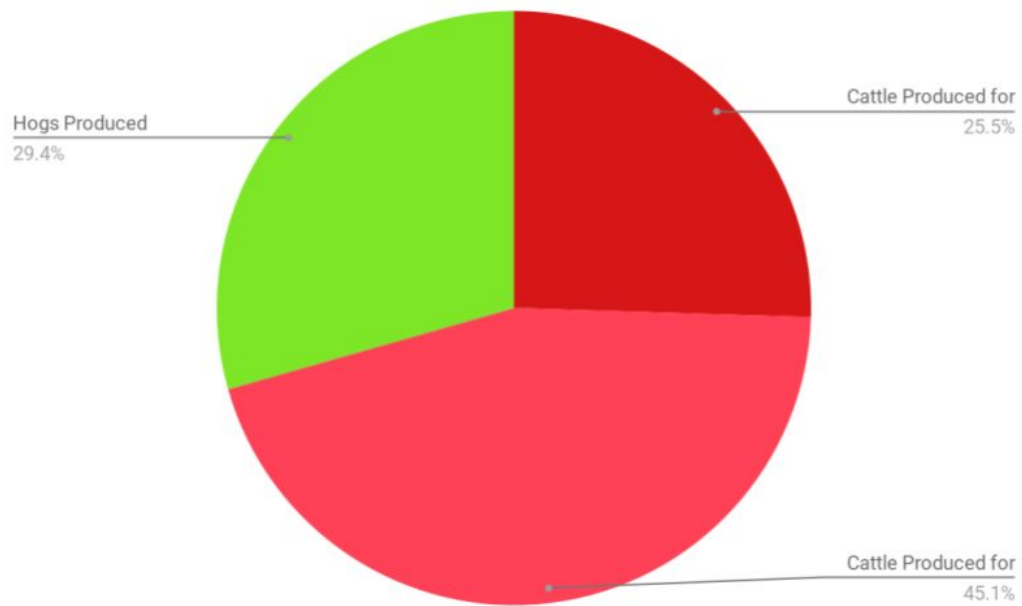




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# Massachusetts

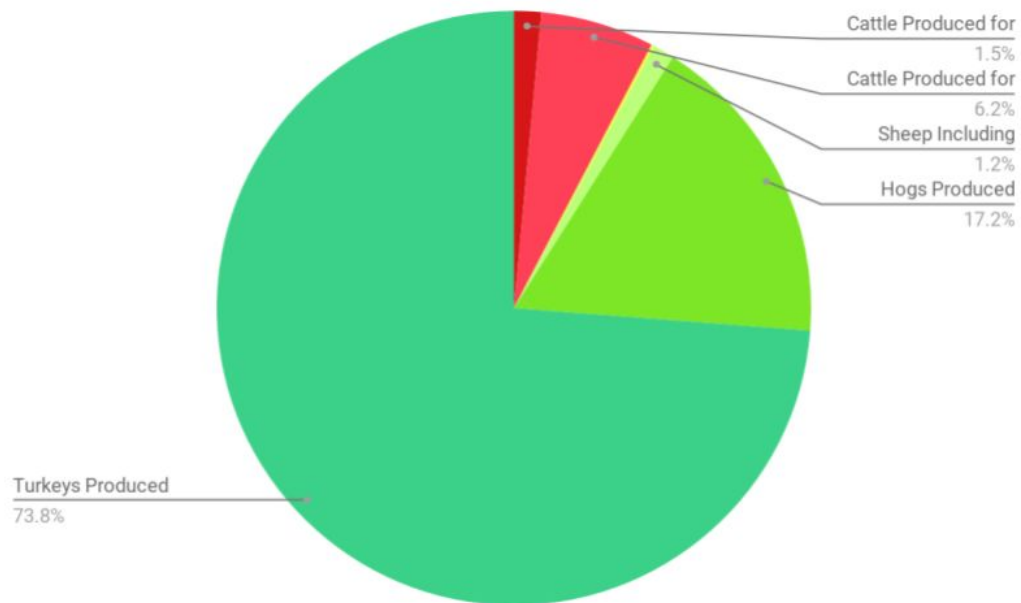
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	25.5%	6,500	3,185,000 - 4,160,000
	Cattle Produced for Milk	45.1%	11,500	227,987,500 (27,303,892 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	29.4%	7,500	1,080,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Michigan

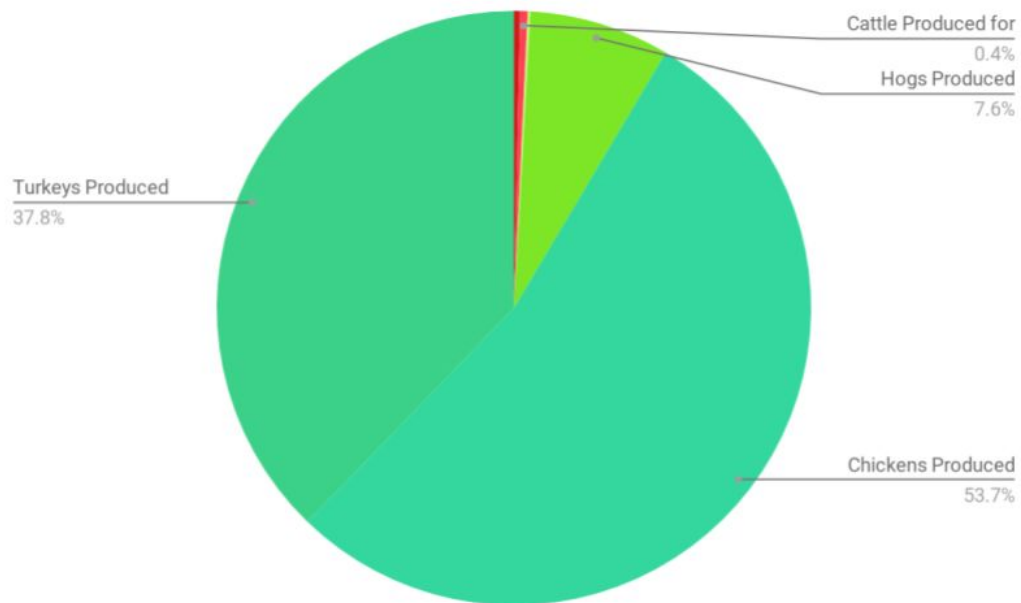
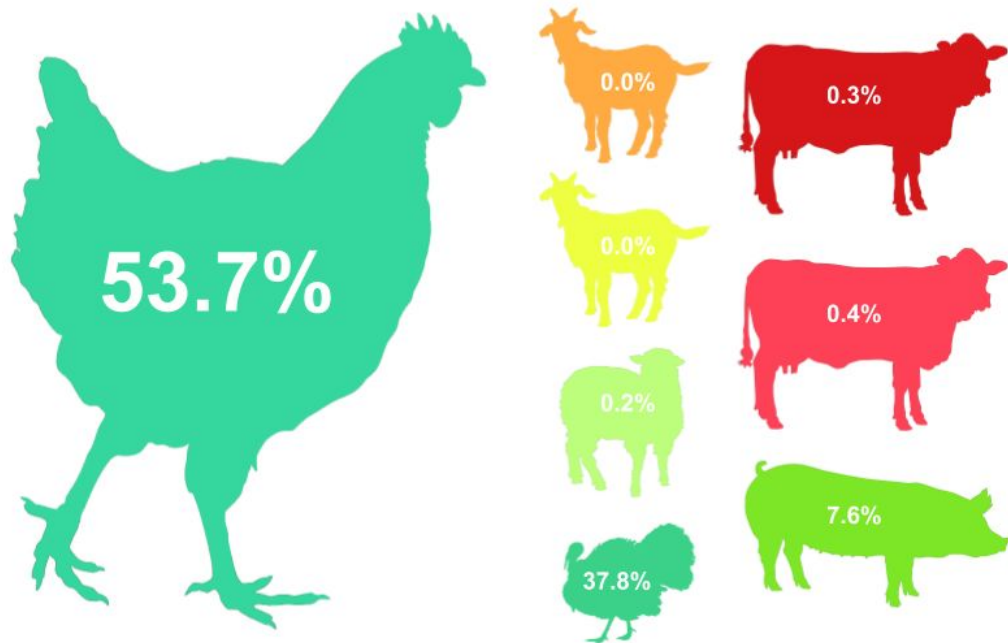
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	1.5%	102,000	49,980,000 - 65,280,000
	Cattle Produced for Milk	6.2%	428,000	8,485,100,000 (1,016,179,640 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.3%	11,500	20,700,000 (2,479,041 gals)
	Sheep Including Lambs	1.0%	80,000	2,720,000
	Hogs Produced	17.2%	1,190,000	171,360,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	73.8%	5,100,000	40,800,000



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# Minnesota

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.3%	365,000	178,850,000 - 233,600,000
	Cattle Produced for Milk	0.4%	455,000	9,020,375,000 (1,080,284,431 gals)
	Goats Produced for Meat	0.0%	24,000	600,000 - 1,200,000
	Goats Produced for Milk	0.0%	14,000	25,200,000 (3,017,964 gals)
	Sheep Including Lambs	0.2%	130,000	4,420,000
	Hogs Produced	7.6%	8,500,000	1,224,000,000
	Chickens Produced	53.7%	59,700,000	298,500,000 - 477,600,000 (16,477,200,000 eggs)
	Turkeys Produced	37.8%	42,000,000	336,000,000

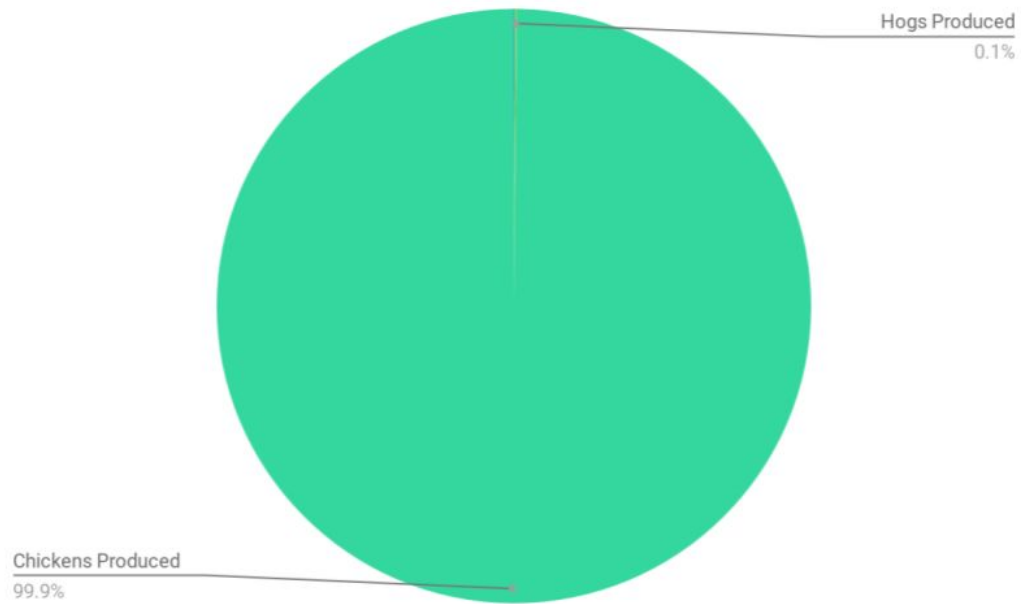


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# Mississippi

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.1%	501,000	245,490,000 - 320,640,000
	Cattle Produced for Milk	0.0%	9,000	178,425,000 (21,368,263 gals)
	Goats Produced for Meat	0.0%	19,000	475,000 - 950,000
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.1%	570,000	82,080,000
	Chickens Produced	99.9%	741,100,000	3,705,500,000 - 5,928,800,000 (204,543,600,000 eggs)
	Turkeys Produced	0.0%	0	0

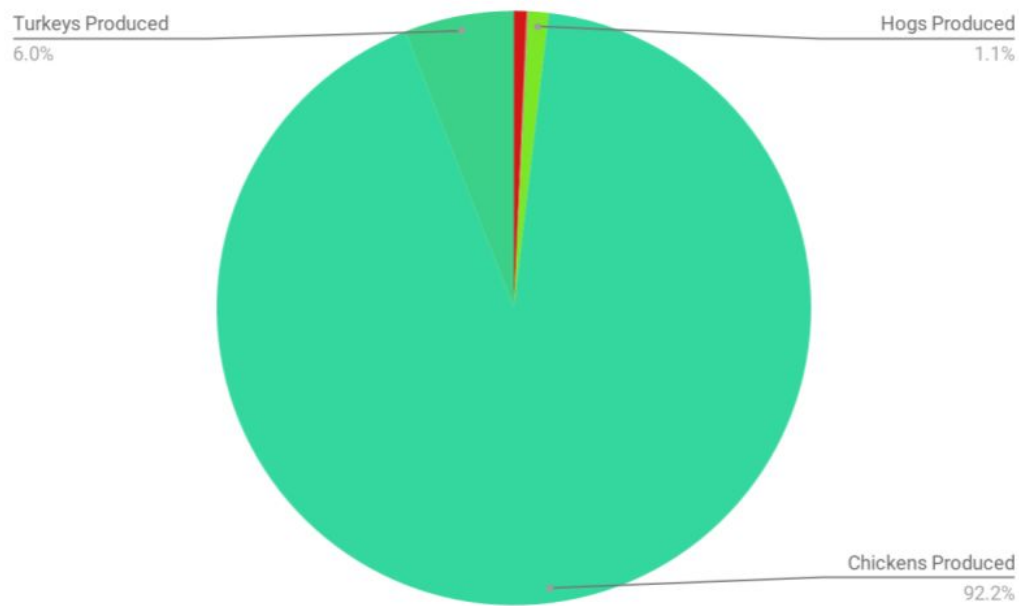




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# Missouri

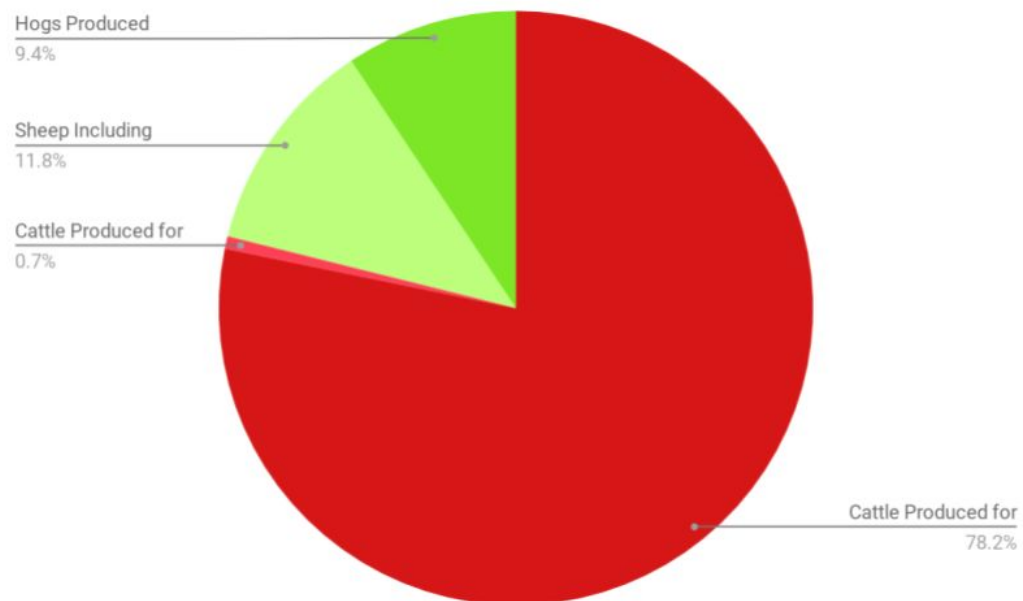
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.7%	2,166,000	1,061,340,000 - 1,386,240,000
	Cattle Produced for Milk	0.0%	84,000	1,665,300,000 (199,437,125 gals)
	Goats Produced for Meat	0.0%	90,000	2,250,000 - 4,500,000
	Goats Produced for Milk	0.0%	71,500	128,700,000 (15,413,173 gals)
	Sheep Including Lambs	0.0%	90,000	3,060,000
	Hogs Produced	1.1%	3,400,000	489,600,000
	Chickens Produced	92.2%	291,100,000	1,455,500,000 - 2,328,800,000 (80,343,600,000 eggs)
	Turkeys Produced	6.0%	18,800,000	150,400,000



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# Montana

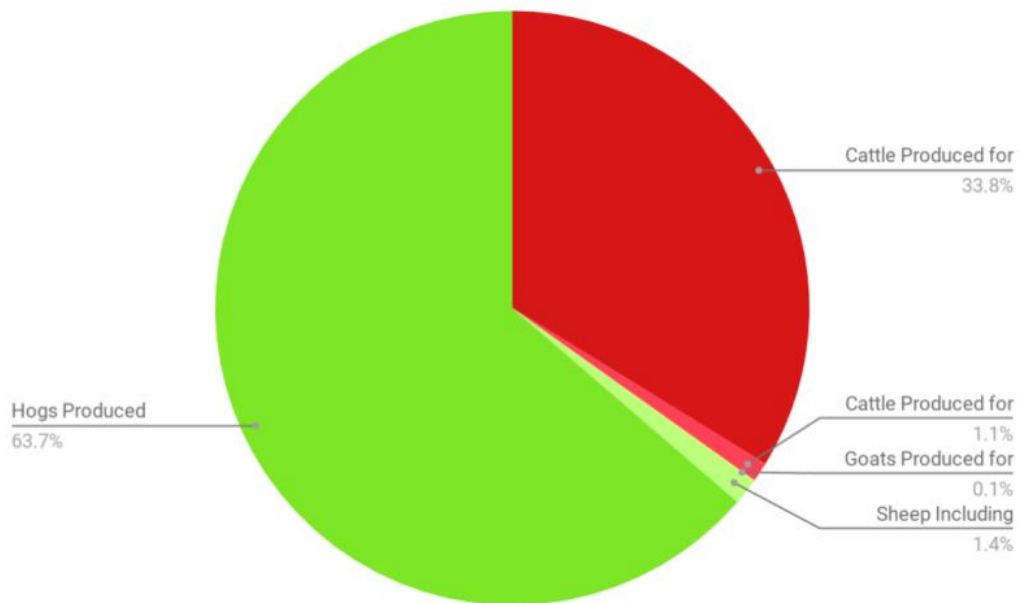
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	78.1%	1,497,000	733,530,000 - 958,080,000
	Cattle Produced for Milk	0.7%	13,000	257,725,000 (30,865,269 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	11.8%	225,000	7,650,000
	Hogs Produced	9.4%	179,000	25,776,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Nebraska

	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	33.8%	1,910,000	935,900,000 - 1,222,400,000
	Cattle Produced for Milk	1.0%	60,000	1,189,500,000 (142,455,089 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.1%	3,500	6,300,000 (754,491 gals)
	Sheep Including Lambs	1.4%	80,000	2,720,000
	Hogs Produced	63.7%	3,600,000	518,400,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

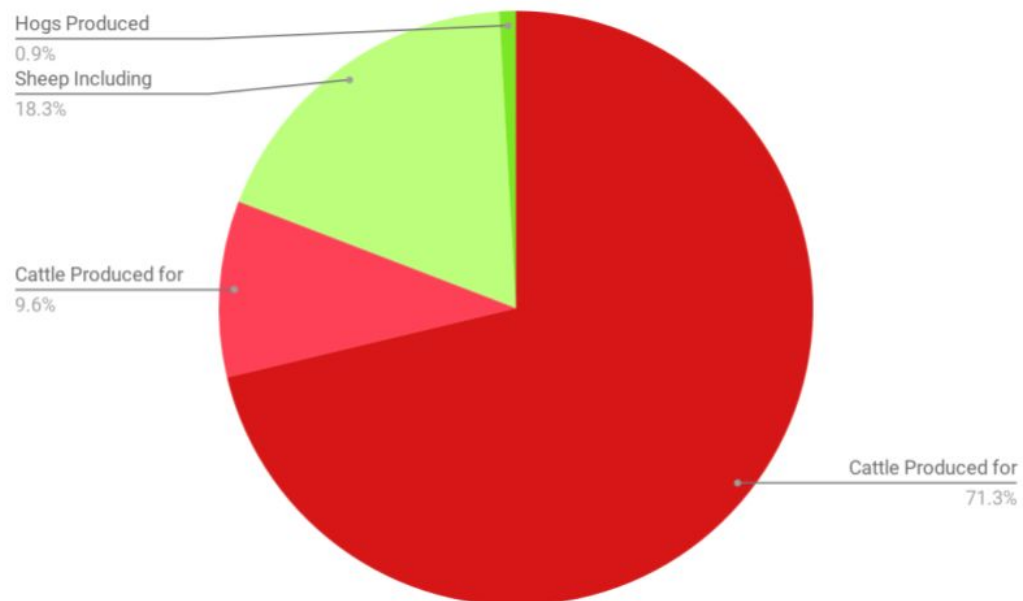


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# Nevada

	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	71.2%	238,000	116,620,000 - 152,320,000
	Cattle Produced for Milk	9.6%	32,000	634,400,000 (75,976,047 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	18.3%	61,000	2,074,000
	Hogs Produced	0.9%	3,000	432,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

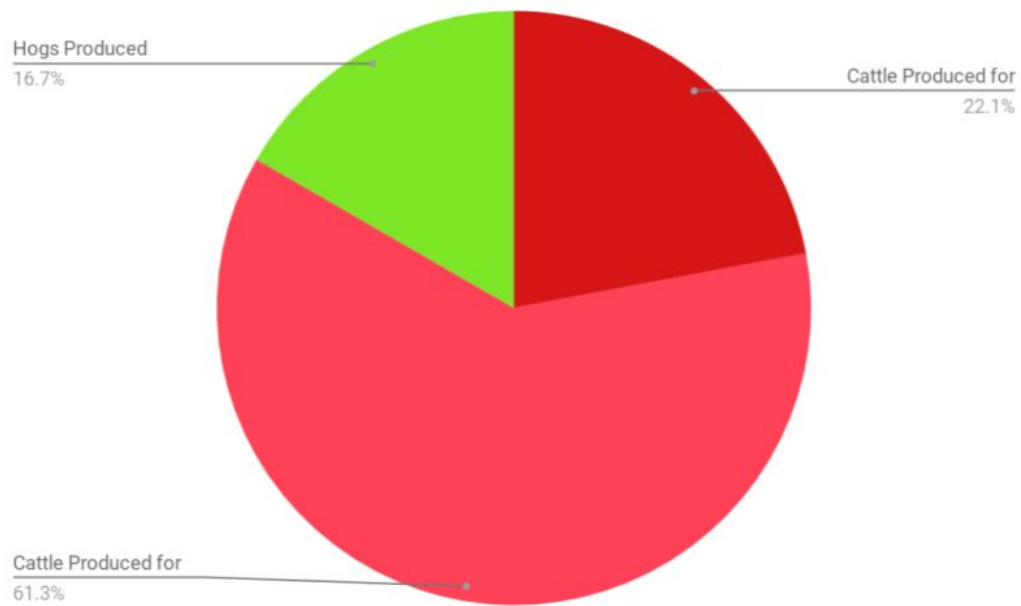




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# New Hampshire

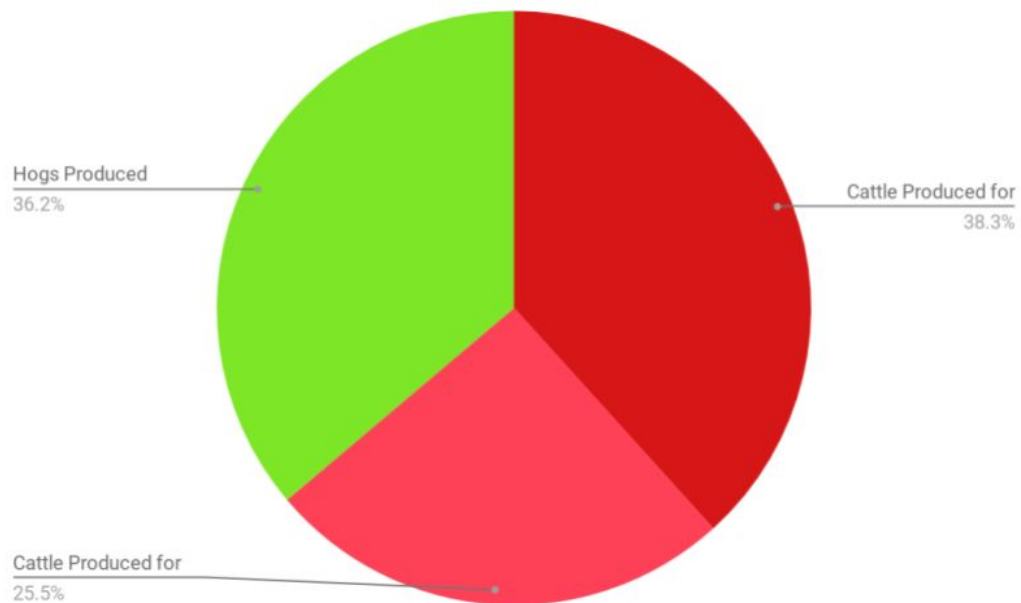
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	22%	4,500	2,205,000 - 2,880,000
	Cattle Produced for Milk	61.3%	12,500	247,812,500 (29,678,143 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	16.7%	3,400	489,600
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# New Jersey

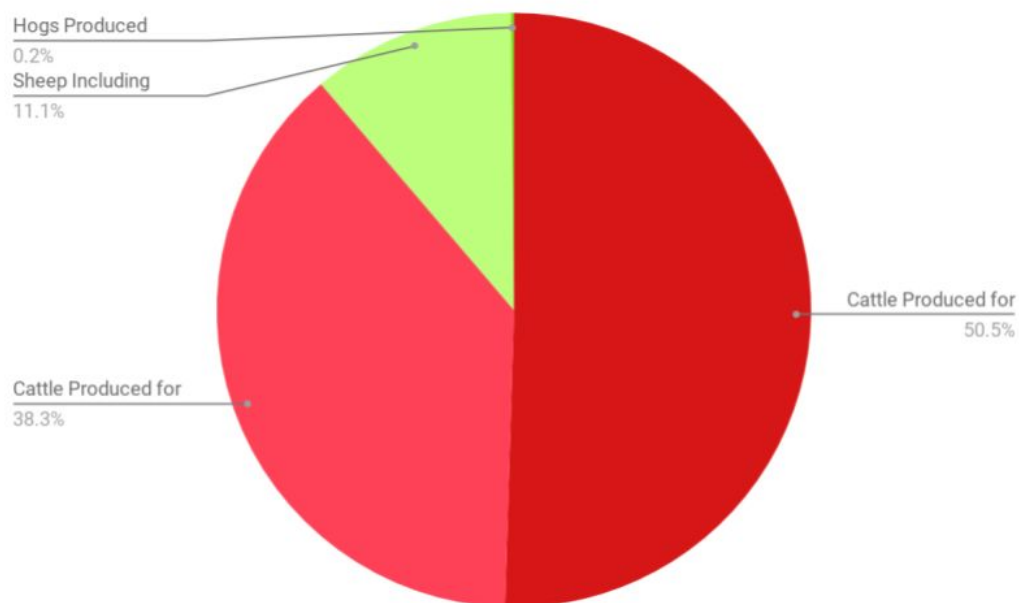
	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	38.3%	9,000	4,410,000 - 5,760,000
	Cattle Produced for Milk	25.5%	6,000	118,950,000 (14,245,508 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	36.2%	8,500	1,224,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# New Mexico

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	50.4%	438,000	214,620,000 - 280,320,000
	Cattle Produced for Milk	38.3%	332,000	6,581,900,000 (788,251,497 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	11.1%	96,000	3,264,000
	Hogs Produced	0.2%	1,600	230,400
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

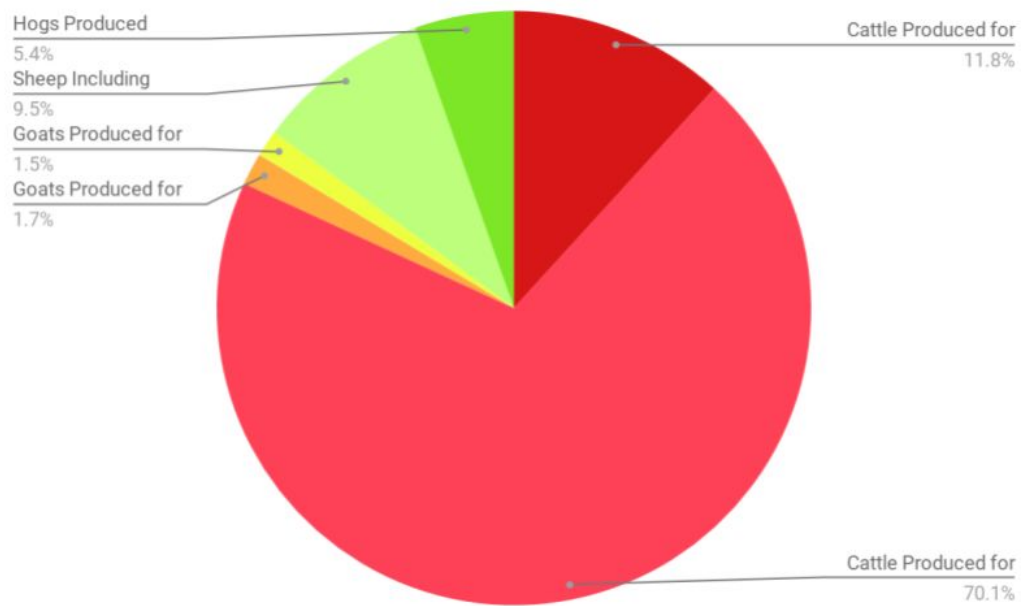


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# New York

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	11.8%	105,000	51,450,000 - 67,200,000
	Cattle Produced for Milk	70.1%	625,000	12,390,600,000 (1,483,904,191 gals)
	Goats Produced for Meat	1.7%	15,500	387,500 - 775,000
	Goats Produced for Milk	1.5%	13,000	23,400,000 (2,802,395 gals)
	Sheep Including Lambs	9.5%	85,000	2,890,000
	Hogs Produced	5.4%	48,000	6,912,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

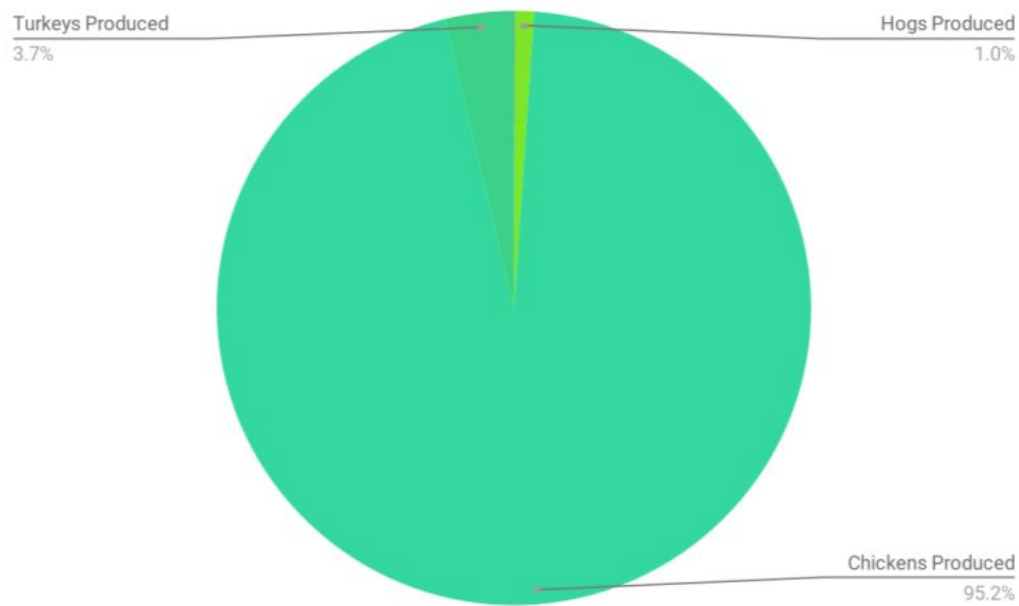




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# North Carolina

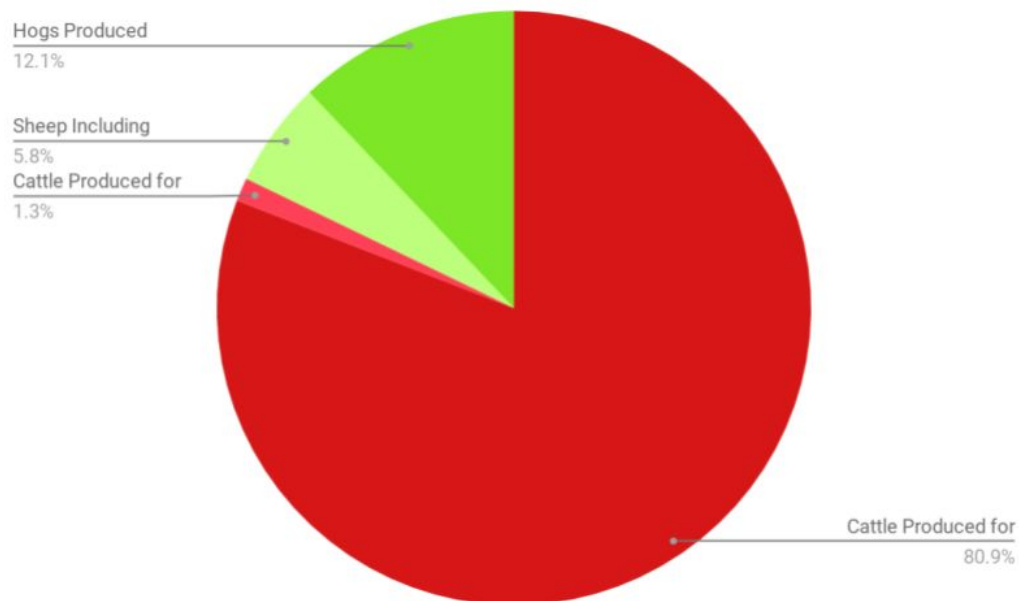
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.0%	370,000	181,300,000 - 236,800,000
	Cattle Produced for Milk	0.0%	45,000	892,125,000 (106,841,317 gals)
	Goats Produced for Meat	0.0%	47,000	1,175,000 - 2,350,000
	Goats Produced for Milk	0.0%	7,000	12,600,000 (1,508,982 gals)
	Sheep Including Lambs	0.0%	25,000	850,000
	Hogs Produced	1.0%	9,000,000	1,296,000,000
	Chickens Produced	95.2%	830,800,000	4,154,000,000 - 6,646,400,000 (229,300,800,000 eggs)
	Turkeys Produced	3.7%	32,500,000	260,000,000



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# North Dakota

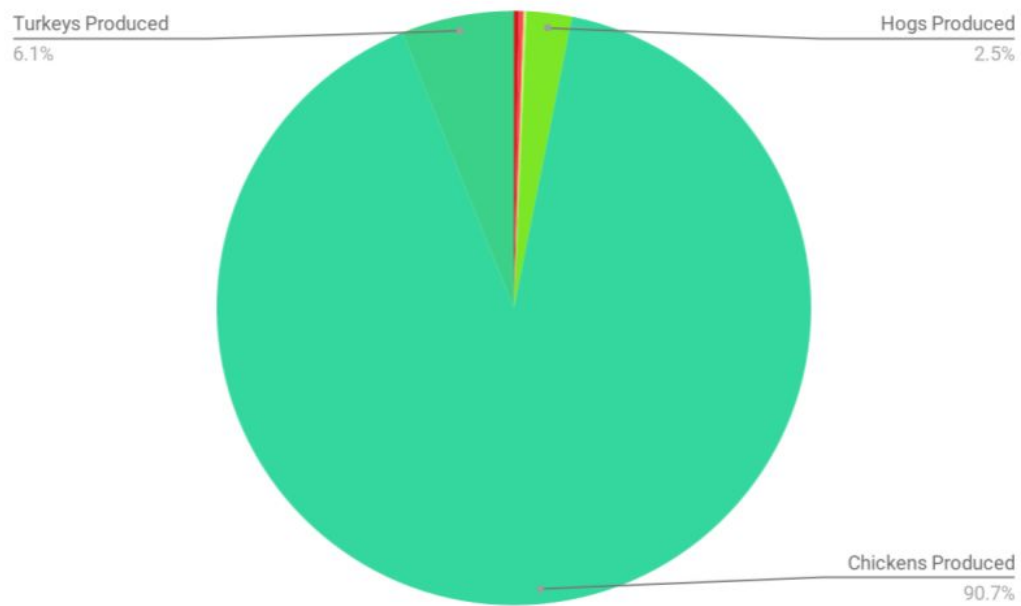
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	80.8%	984,500	482,405,000 - 630,080,000
	Cattle Produced for Milk	1.3%	15,500	307,287,500 (36,800,898 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	5.8%	70,000	2,380,000
	Hogs Produced	12.1%	147,000	21,168,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Ohio

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.3%	296,000	145,040,000 - 189,440,000
	Cattle Produced for Milk	0.2%	264,000	5,233,800,000 (626,802,395 gals)
	Goats Produced for Meat	0.0%	44,000	1,100,000 - 2,200,000
	Goats Produced for Milk	0.0%	10,500	18,900,000 (2,263,473 gals)
	Sheep Including Lambs	0.2%	119,000	4,046,000
	Hogs Produced	2.5%	2,700,000	388,800,000
	Chickens Produced	90.7%	99,300,000	496,500,000 - 794,400,000 (27,406,800,000 eggs)
	Turkeys Produced	6.1%	6,700,000	53,600,000

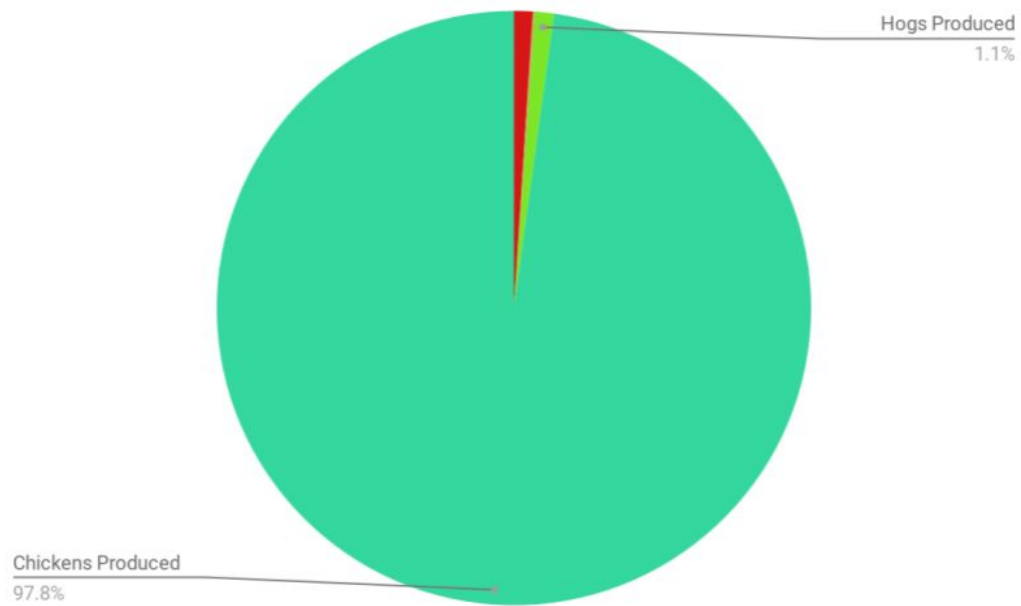


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# Oklahoma

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	1.0%	2,131,000	1,044,190,000 - 1,363,840,000
	Cattle Produced for Milk	0.0%	39,000	773,175,000 (92,595,808 gals)
	Goats Produced for Meat	0.0%	82,000	2,050,000 - 4,100,000
	Goats Produced for Milk	0.0%	7,000	12,600,000 (1,508,982 gals)
	Sheep Including Lambs	0.0%	54,000	1,836,000
	Hogs Produced	1.1%	2,200,000	316,800,000
	Chickens Produced	97.8%	204,500,000	1,022,500,000 - 1,636,000,000 (56,442,000,000 eggs)
	Turkeys Produced	0.0%	0	0

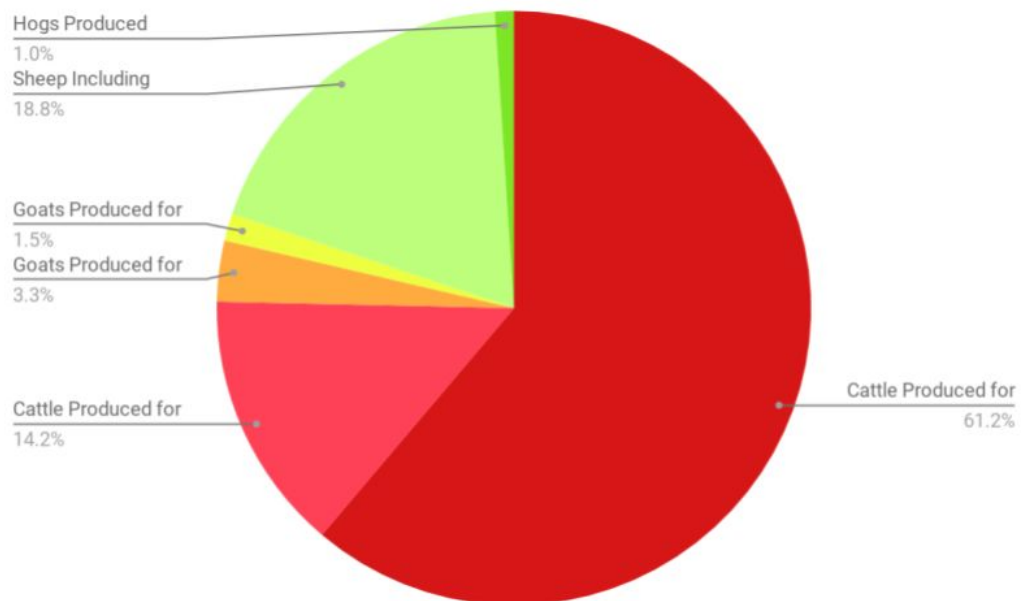




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# Oregon

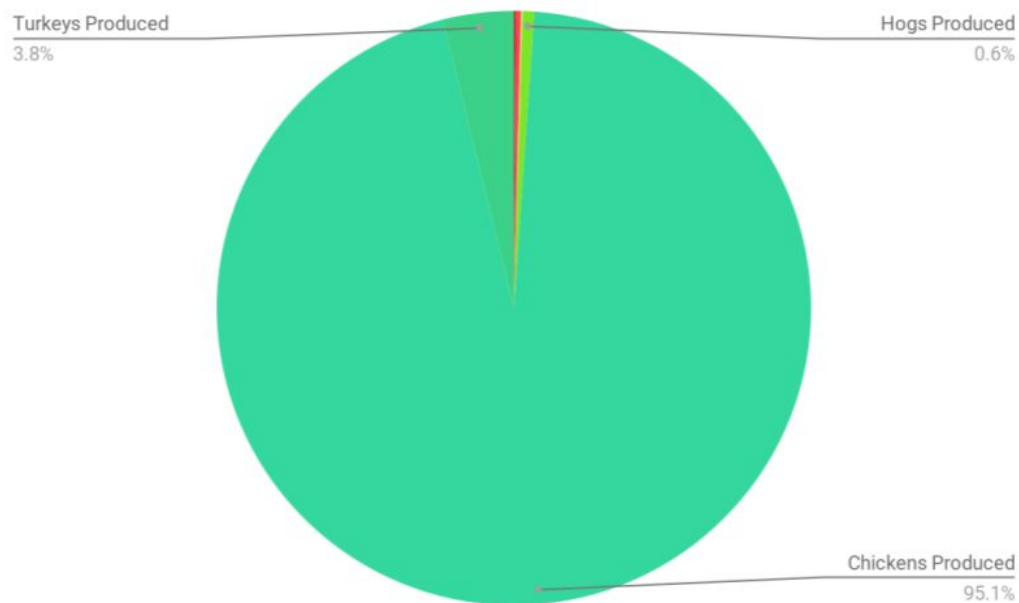
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	61.2%	536,000	262,640,000 - 343,040,000
	Cattle Produced for Milk	14.2%	124,000	2,458,300,000 (294,407,185 gals)
	Goats Produced for Meat	3.3%	29,000	725,000 - 1,450,000
	Goats Produced for Milk	1.5%	13,000	23,400,000 (2,802,395 gals)
	Sheep Including Lambs	18.8%	165,000	5,610,000
	Hogs Produced	1.0%	9,000	1,296,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Pennsylvania

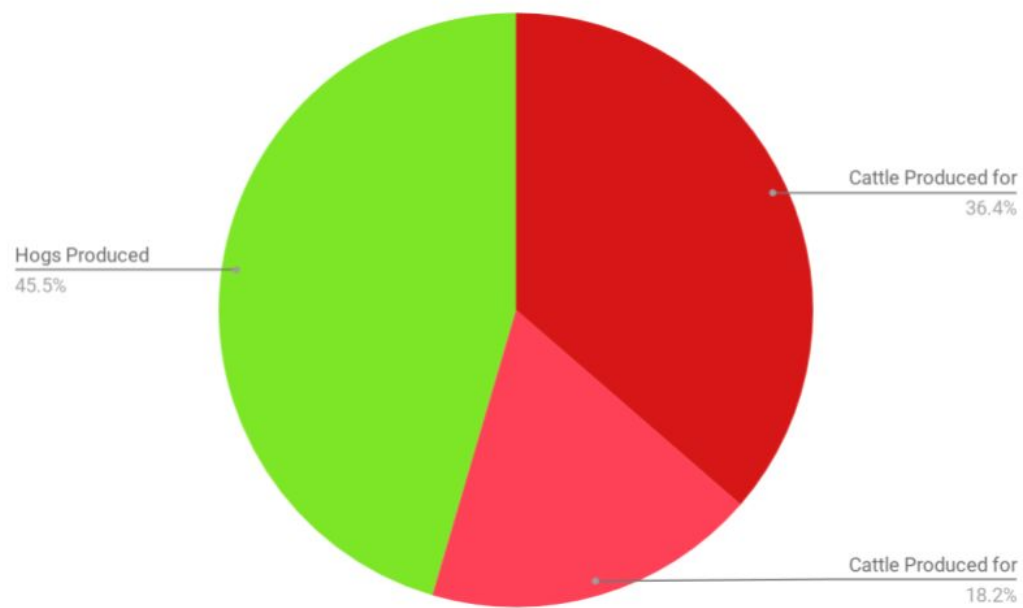
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.1%	215,000	105,350,000 - 137,600,000
	Cattle Produced for Milk	0.3%	525,000	10,408,100,000 (1,246,479,041 gals)
	Goats Produced for Meat	0.0%	38,000	950,000 - 1,900,000
	Goats Produced for Milk	0.0%	15,000	27,000,000 (3,233,532 gals)
	Sheep Including Lambs	0.1%	96,000	3,264,000
	Hogs Produced	0.6%	1,240,000	178,560,000
	Chickens Produced	95.1%	185,200,000	926,000,000 - 1,481,600,000 (251,115,200,000 eggs)
	Turkeys Produced	3.8%	7,500,000	60,000,000



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# Rhode Island

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	36.3%	1,600	784,000 - 1,024,000
	Cattle Produced for Milk	18.2%	800	15,860,000 (1,899,401 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	45.5%	2,000	288,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

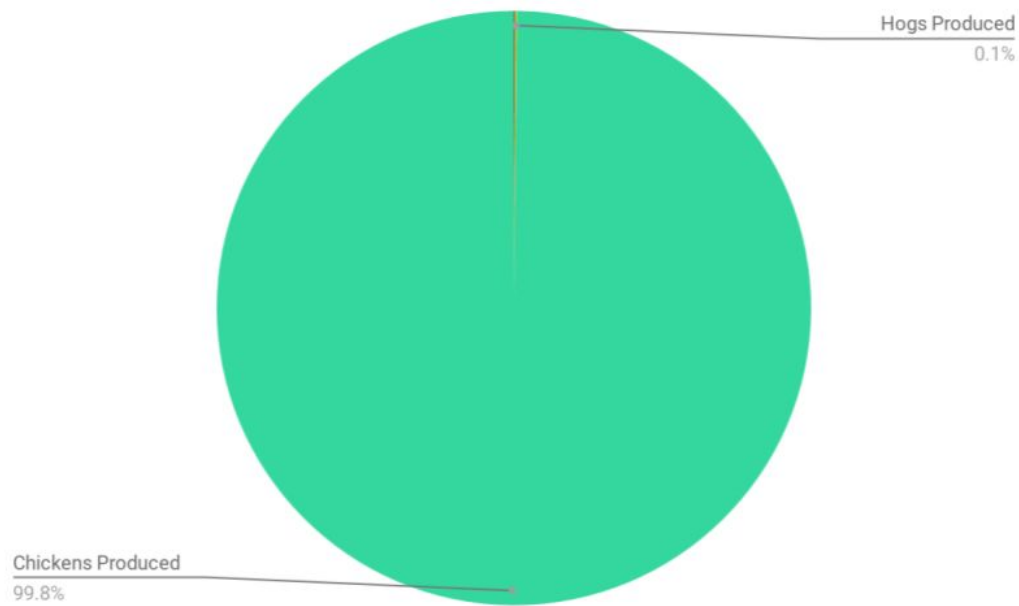
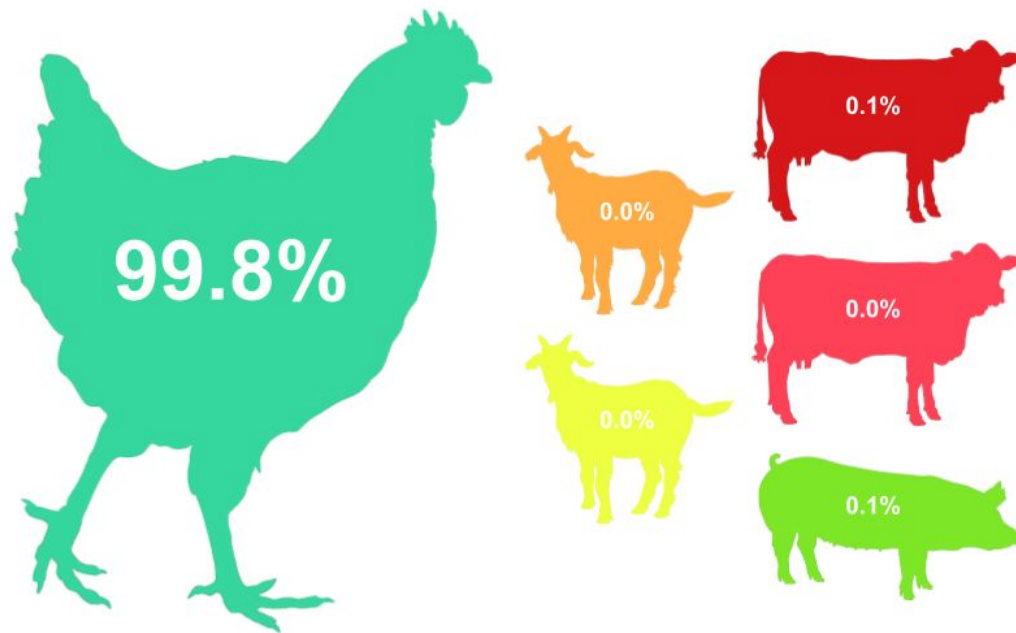


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# South Carolina

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.1%	174,000	85,260,000 - 111,360,000
	Cattle Produced for Milk	0.0%	15,000	297,375,000 (35,613,772 gals)
	Goats Produced for Meat	0.0%	33,500	837,500 - 1,675,000
	Goats Produced for Milk	0.0%	3,500	6,300,000 (754,491 gals)
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	0.1%	185,000	26,640,000
	Chickens Produced	99.8%	243,100,000	1,215,500,000 - 1,944,800,000 (67,095,600,000 eggs)
	Turkeys Produced	0.0%	0	0

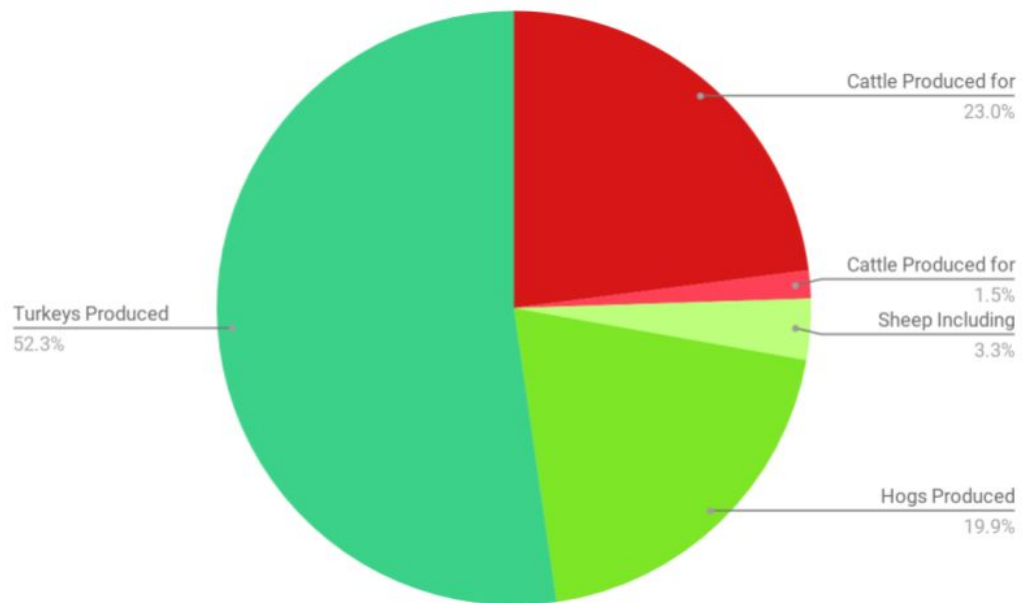




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# South Dakota

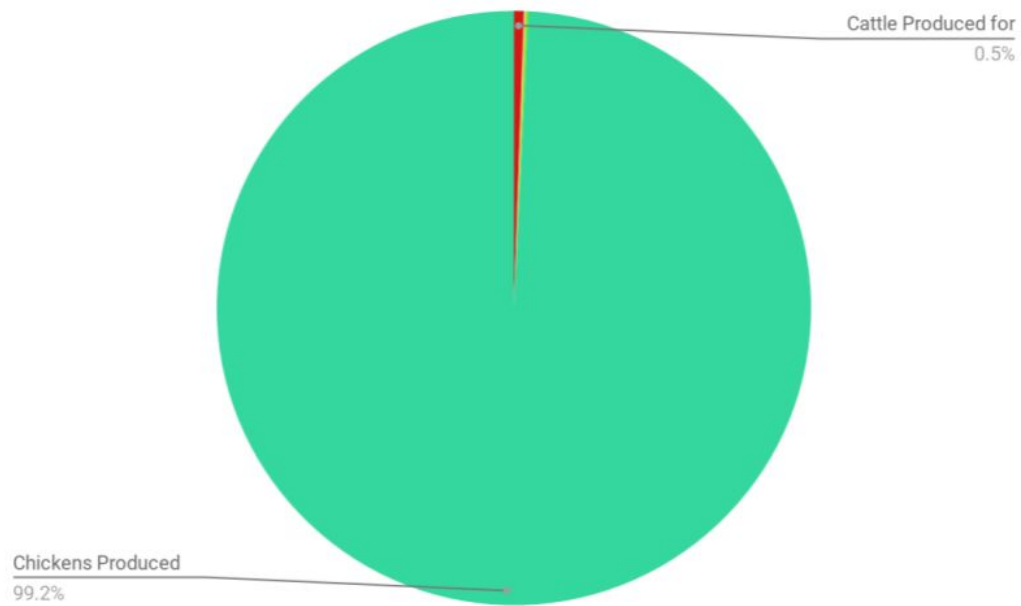
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	23%	1,801,000	882,490,000 - 1,152,640,000
	Cattle Produced for Milk	1.5%	119,000	2,359,175,000 (282,535,928 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	3.3%	260,000	8,840,000
	Hogs Produced	19.9%	1,560,000	224,640,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	52.3%	4,100,000	32,800,000



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# Tennessee

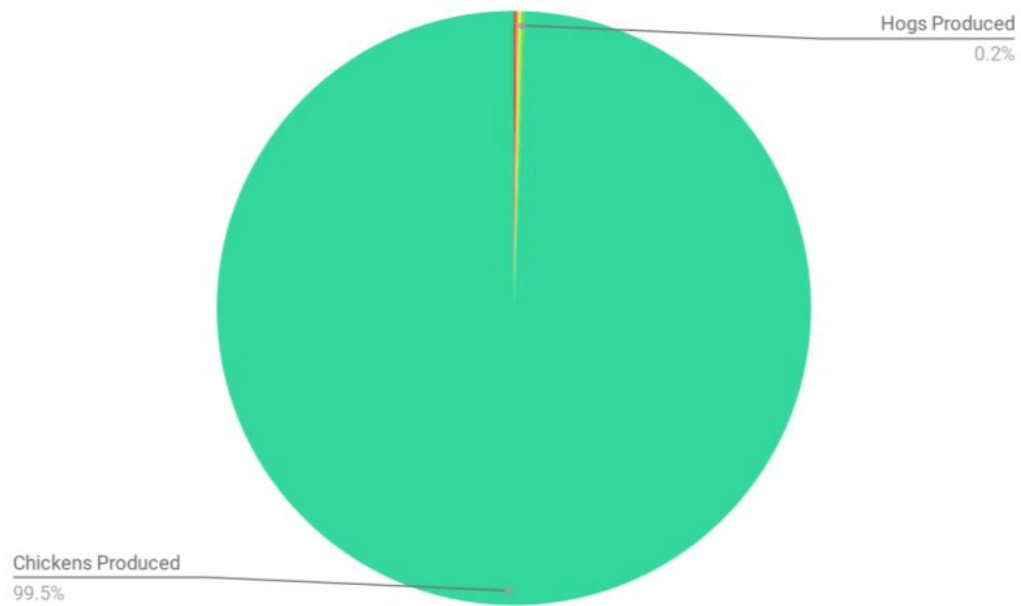
	<i>Section</i>	<i>Percent</i>	<i>Unit</i>	<i>Approximate Pounds</i>
	Cattle Produced for Beef	0.5%	910,000	445,900,000 - 582,400,000
	Cattle Produced for Milk	0.0%	40,000	793,000,000 (94,970,059 gals)
	Goats Produced for Meat	0.1%	104,000	2,600,000 - 5,200,000
	Goats Produced for Milk	0.0%	7,500	13,500,000 (1,616,766 gals)
	Sheep Including Lambs	0.1%	46,000	1,564,000
	Hogs Produced	0.1%	235,000	33,840,000
	Chickens Produced	99.2%	171,500,000	857,500,000 - 1,372,000,000 (47,334,000,000 eggs)
	Turkeys Produced	0.0%	0	0



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# Texas

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.1%	458,500	224,665,000 - 293,440,000
	Cattle Produced for Milk	0.1%	515,000	10,209,900,000 (1,222,742,514 gals)
	Goats Produced for Meat	0.1%	795,000	19,875,000 - 39,750,000
	Goats Produced for Milk	0.0%	26,000	46,800,000 (5,604,790 gals)
	Sheep Including Lambs	0.0%	750,000	25,500,000
	Hogs Produced	0.2%	1,050,000	151,200,000
	Chickens Produced	99.5%	651,200,000	3,256,000,000 - 5,209,600,000 (179,731,200,000 eggs)
	Turkeys Produced	0.0%	0	0

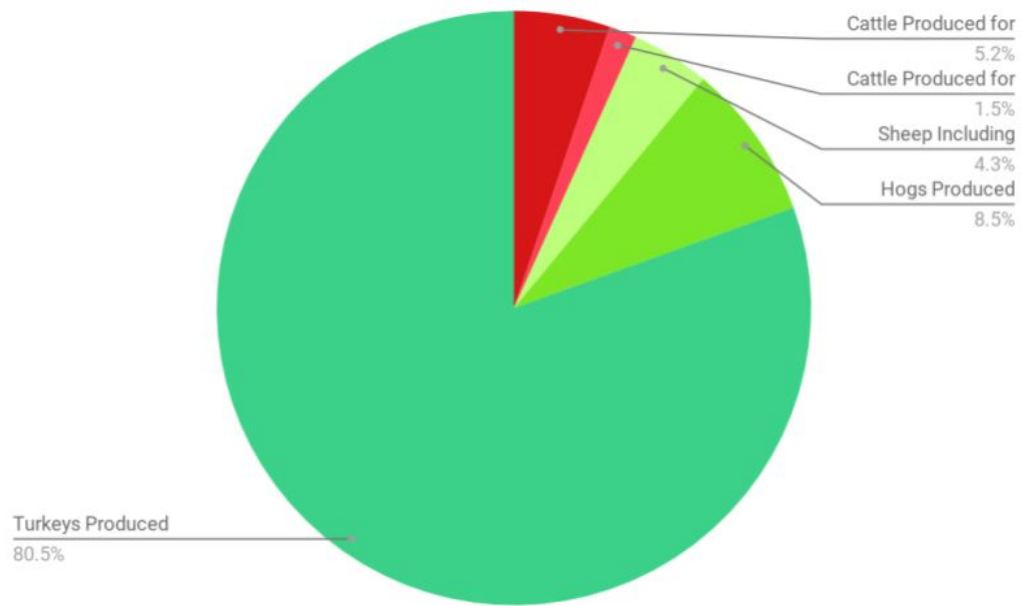


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# Utah

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	5.2%	338,000	165,620,000 - 216,320,000
	Cattle Produced for Milk	1.5%	97,000	1,923,025,000 (230,302,395 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	4.3%	275,000	9,350,000
	Hogs Produced	8.5%	550,000	79,200,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	80.5%	5,200,000	41,600,000

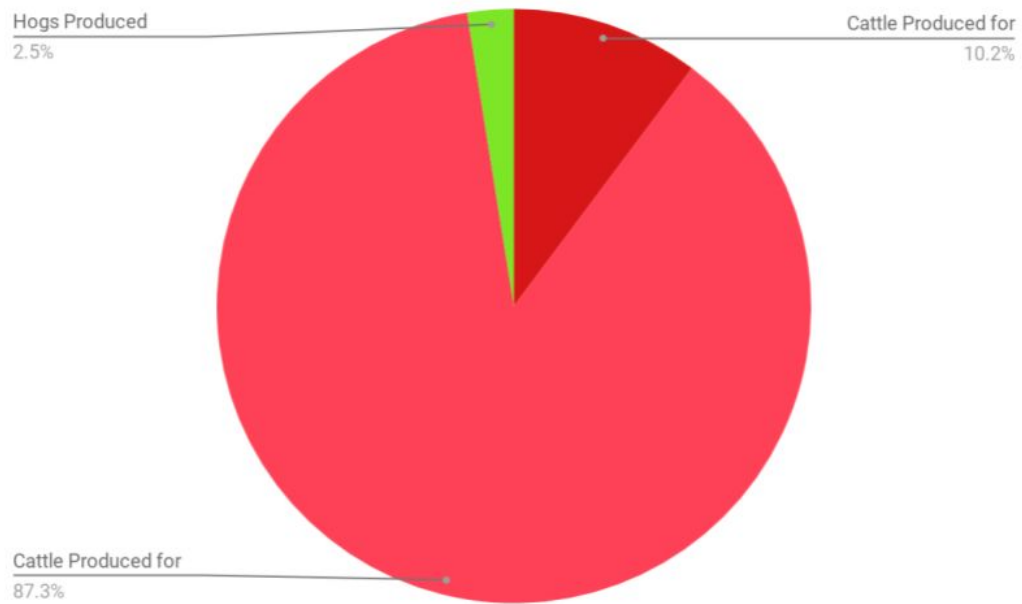




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# Vermont

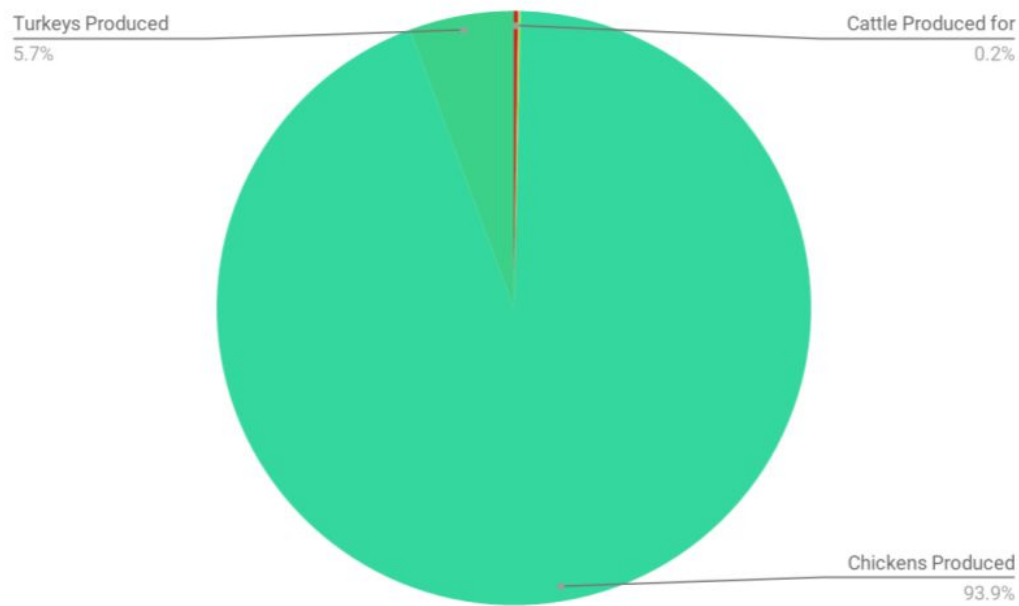
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	10.2%	15,000	7,350,000 - 9,600,000
	Cattle Produced for Milk	87.3%	128,000	2,537,600,000 (303,904,191 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.0%	0	0
	Hogs Produced	2.5%	3,700	532,800
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Virginia

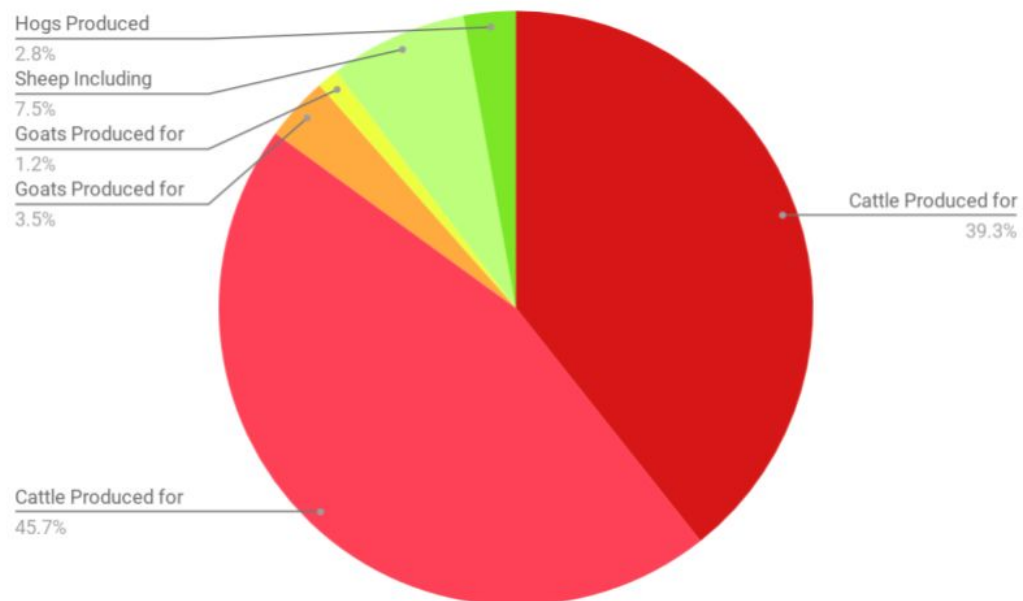
	<b>Section</b>	<b>Percent</b>	<b>Unit</b>	<b>Approximate Pounds</b>
	Cattle Produced for Beef	0.2%	633,000	310,170,000 - 405,120,000
	Cattle Produced for Milk	0.0%	87,000	1,724,775,000 (206,559,880 gals)
	Goats Produced for Meat	0.0%	41,000	1,025,000 - 2,050,000
	Goats Produced for Milk	0.0%	5,500	9,900,000 (1,185,628 gals)
	Sheep Including Lambs	0.1%	75,000	2,550,000
	Hogs Produced	0.1%	240,000	34,560,000
	Chickens Produced	93.9%	277,400,000	1,387,000,000 - 2,219,200,000 (76,562,400,000 eggs)
	Turkeys Produced	5.7%	16,800,000	134,400,000



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# Washington

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	39.3%	236,000	115,640,000 - 151,040,000
	Cattle Produced for Milk	45.7%	274,000	5,432,050,000 (650,544,910 gals)
	Goats Produced for Meat	3.5%	21,000	525,000 - 1,050,000
	Goats Produced for Milk	1.2%	7,000	12,600,000 (1,508,982 gals)
	Sheep Including Lambs	7.5%	45,000	1,530,000
	Hogs Produced	2.8%	17,000	2,448,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0

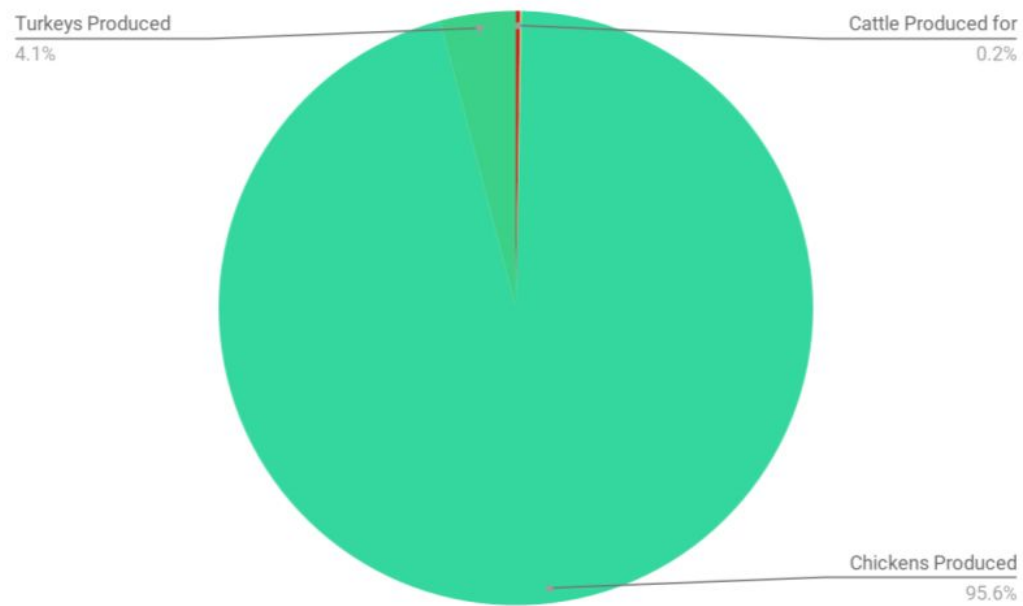


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# West Virginia

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.2%	203,000	9,947,000 - 129,920,000
	Cattle Produced for Milk	0.0%	7,000	138,775,000 (16,619,760 gals)
	Goats Produced for Meat	0.0%	21,500	537,500 - 1,075,000
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	0.1%	35,000	1,190,000
	Hogs Produced	0.0%	5,000	720,000
	Chickens Produced	95.6%	86,100,000	430,500,000 - 688,800,000 (23,763,600,000 eggs)
	Turkeys Produced	4.1%	3,700,000	29,600,000

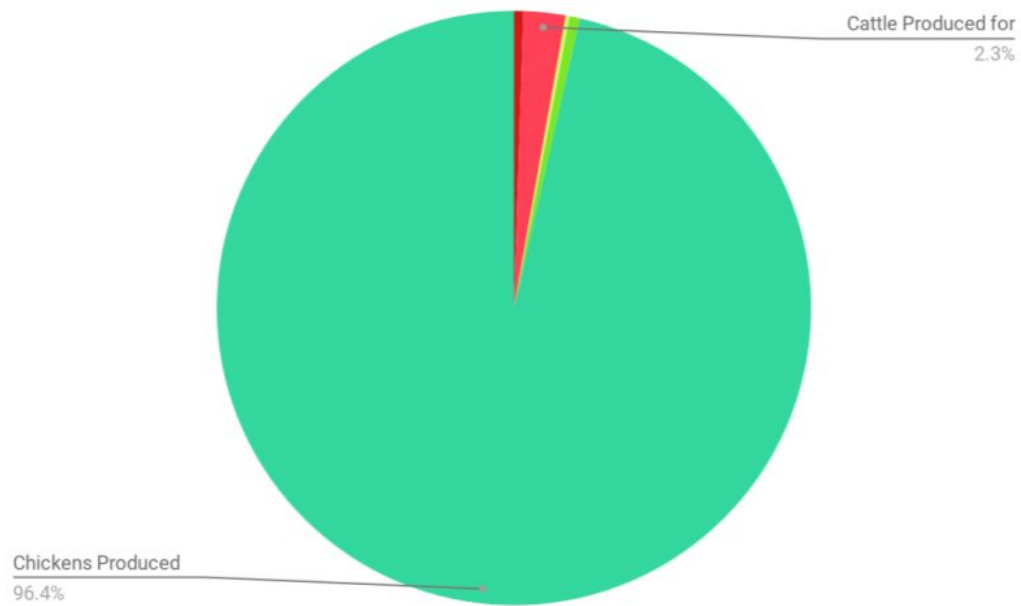
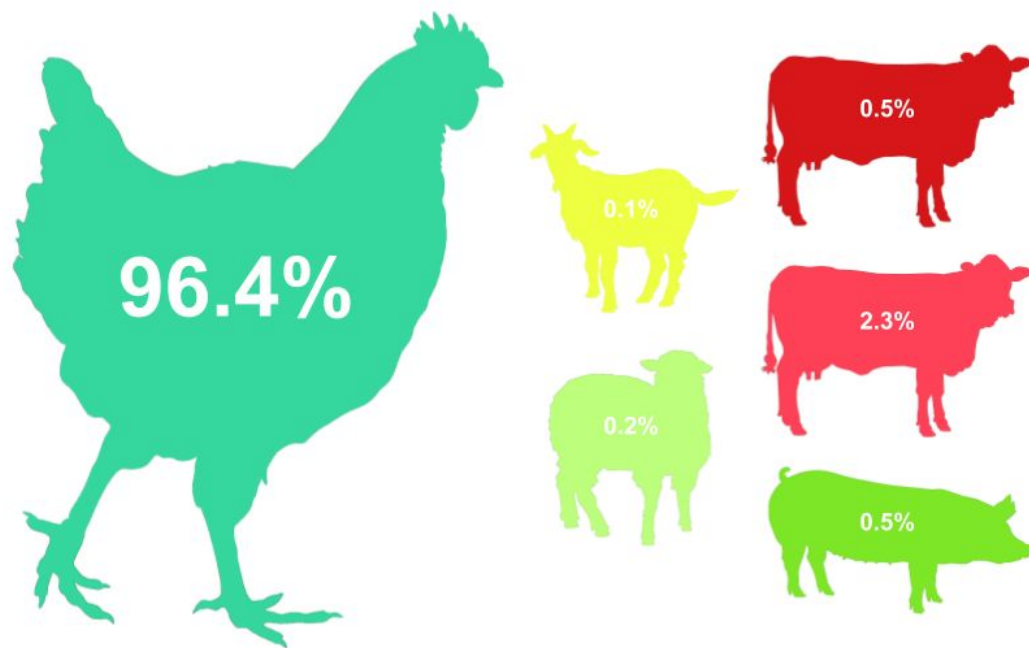




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# Wisconsin

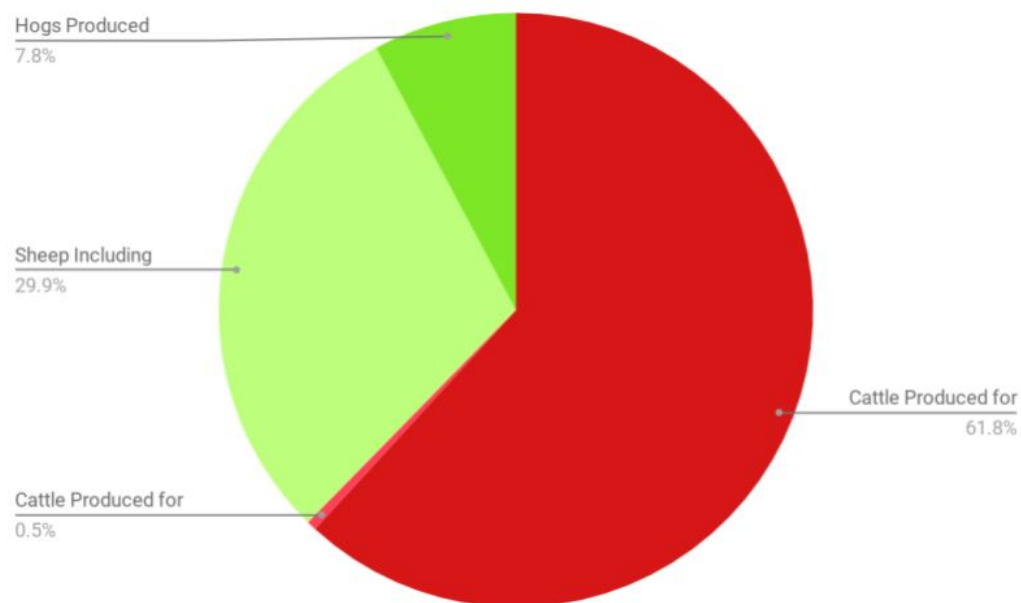
	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	0.5%	285,000	139,650,000 - 182,400,000
	Cattle Produced for Milk	2.3%	1,275,000	25,276,900,000 (3,027,173,652 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.1%	47,000	84,600,000 (10,131,736)
	Sheep Including Lambs	0.2%	75,000	2,550,000
	Hogs Produced	0.5%	305,000	43,488,000
	Chickens Produced	96.4%	53,800,000	269,000,000 - 430,400,000 (14,848,800,000 eggs)
	Turkeys Produced	0.0%	0	0



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# Wyoming

	<i><b>Section</b></i>	<i><b>Percent</b></i>	<i><b>Unit</b></i>	<i><b>Approximate Pounds</b></i>
	Cattle Produced for Beef	61.8%	714,000	349,860,000 - 456,960,000
	Cattle Produced for Milk	0.5%	6,000	118,950,000 (14,245,508 gals)
	Goats Produced for Meat	0.0%	0	0
	Goats Produced for Milk	0.0%	0	0
	Sheep Including Lambs	29.9%	345,000	11,730,000
	Hogs Produced	7.8%	90,000	12,960,000
	Chickens Produced	0.0%	0	0
	Turkeys Produced	0.0%	0	0



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# Totals

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	Cattle Produced for Beef
<b>Percent</b>	0.4%
<b>Unit</b>	27,555,000
<b>Pounds</b>	13,412,427,000 - 17,635,200,000

	Cattle Produced for Milk
<b>Percent</b>	0.1%
<b>Unit</b>	9,397,100
<b>Pounds</b>	186,281,647,500

	Goats Produced for Meat
<b>Percent</b>	0.0%
<b>Unit</b>	1,938,500
<b>Pounds</b>	48,462,500 - 96,925,000

	Goats Produced for Milk
<b>Percent</b>	0.0%
<b>Unit</b>	395,700
<b>Pounds</b>	712,260,000

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	Sheep Including Lambs
<b>Percent</b>	0.1%
<b>Unit</b>	5,042,000
<b>Pounds</b>	171,428,000

	Hogs Produced
<b>Percent</b>	0.8%
<b>Unit</b>	73,144,900
<b>Pounds</b>	22,196,433,600

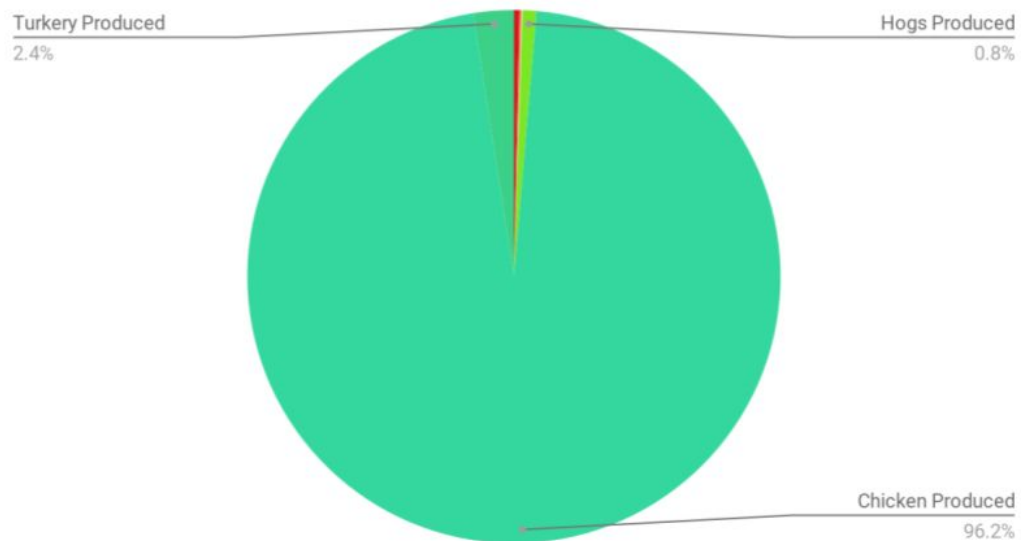
	Chickens Produced
<b>Percent</b>	96.2%
<b>Unit</b>	8,340,100,000
<b>Pounds</b>	41,700,500,000 - 66,690,800,000

	Turkeys Produced
<b>Percent</b>	2.4%
<b>Unit</b>	212,400,000
<b>Pounds</b>	1,699,200,000





### Points scored



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# Sources

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## General

- [https://www.nass.usda.gov/Quick\\_Stats/Ag\\_Overview/stateOverview.php?state=ALABAMA](https://www.nass.usda.gov/Quick_Stats/Ag_Overview/stateOverview.php?state=ALABAMA)
  - The above link was used for all 50 states, the only difference is that the end of the link differentiated between the states.
- <http://convert-to.com/conversion/water-weight-volume/convert-us-gal-of-water-volume-to-pound-lb-of-water-weight.html>

## Cattle

- <https://extension.tennessee.edu/publications/documents/pb1822.pdf>
- <https://albertamilk.com/ask-dairy-farmer/how-long-does-the-average-dairy-cow-live/>
- <https://www.myanimalmyhealth.org/2017/06/9-food-animals-with-amazing-by-products-you-didnt-know/>
- <http://beef2live.com/story-fun-facts-products-beef-cattle-89-104636>
- <https://www.myfearlesskitchen.com/what-else-are-by-products-used-for/>
- <https://www.worldwildlife.org/industries/dairy>
- <http://science.time.com/2013/12/16/the-triple-whopper-environmental-impact-of-global-meat-production/>
- <https://cfaes.osu.edu/news/articles/reducing-the-environmental-impact-cows-waste>

## Goats

- <https://sites.google.com/site/manitobagoatassociation1a/Resources/information-from-members/alternative-goat-products>
- <https://www.myanimalmyhealth.org/2017/06/9-food-animals-with-amazing-by-products-you-didnt-know/>
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