



National Scrapie Eradication Program

May Monthly Report

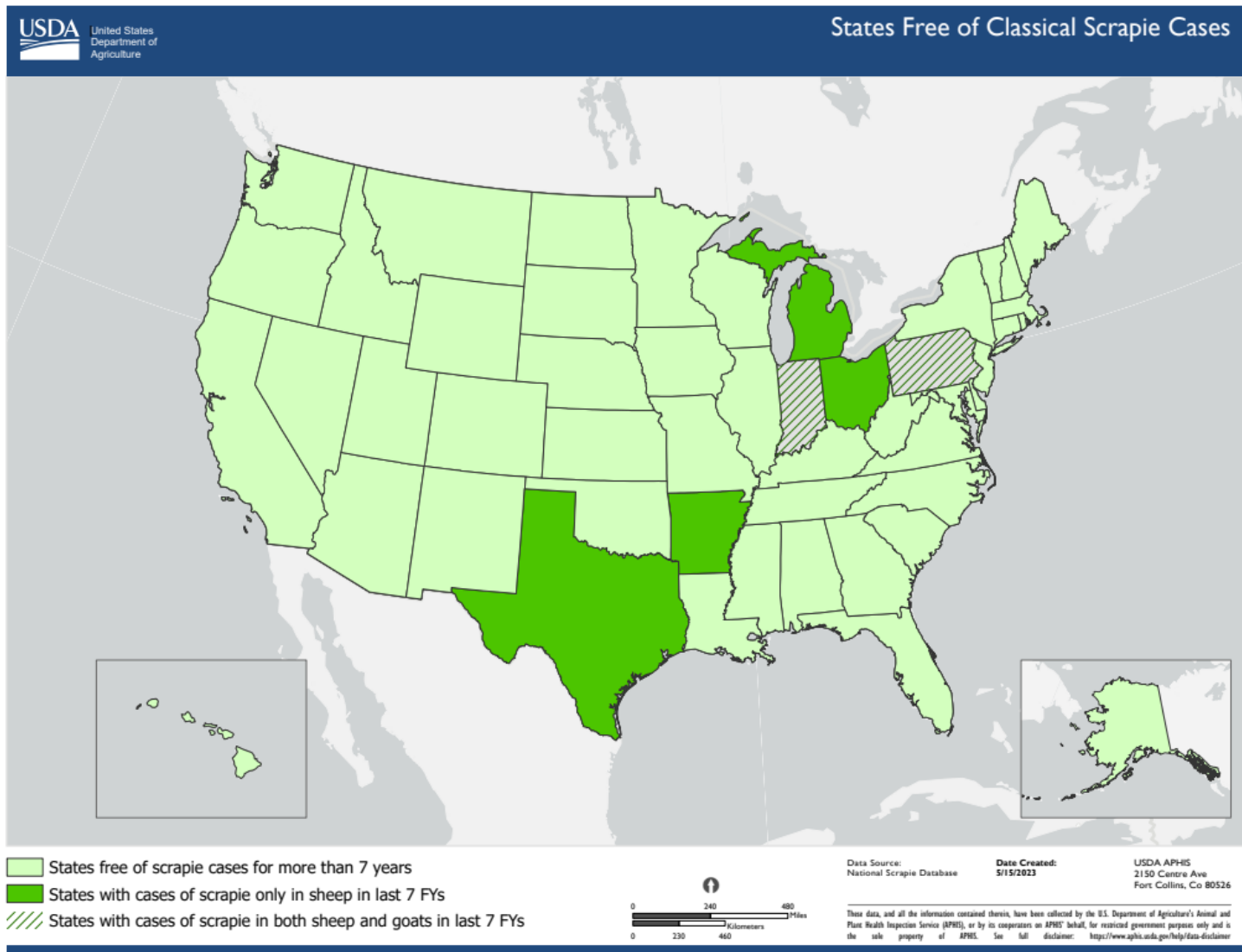
Fiscal Year 2023

U.S. Department of Agriculture
Animal and Plant Health Inspection Service
Veterinary Services
Strategy and Policy, Ruminant Health Center
Small Ruminant Health

June 15, 2023



States Free of Classical Scrapie Cases > 7 Years



* As of May 31, 2023.

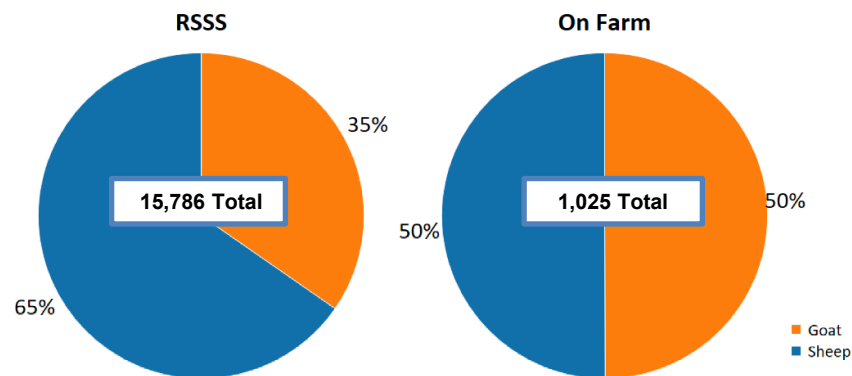
Surveillance

Surveillance Goals

The annual target is to test at least 40,000 animals each year for scrapie. As of May 31, 2023, 16,811 animals have been sampled for scrapie testing in FY 2023.

- 15,786 RSSS samples and 1,025 on-farm samples
- Of which 10,828 were sheep and 5,983 were goats.

Scrapie Testing Results¹ – No classical scrapie has been confirmed in goats or sheep in FY 2023.



¹Samples collected between October 1, 2022 and May 31, 2023, and confirmed by June 15, 2023.

Surveillance

Surveillance minimums are based on estimated breeding sheep and goat populations in each State and their risk level.

Components of Scrapie Surveillance

- **Regulatory Scrapie Slaughter Surveillance (RSSS)** started April 1, 2003. It is a targeted slaughter surveillance program which is designed to identify infected flocks.
 - Samples have been collected from 735,896 animals since April 1, 2003.
 - As of May 31, 2023, 15,786 samples have been collected in FY 2023, 10,315 from sheep and 5,471 from goats.

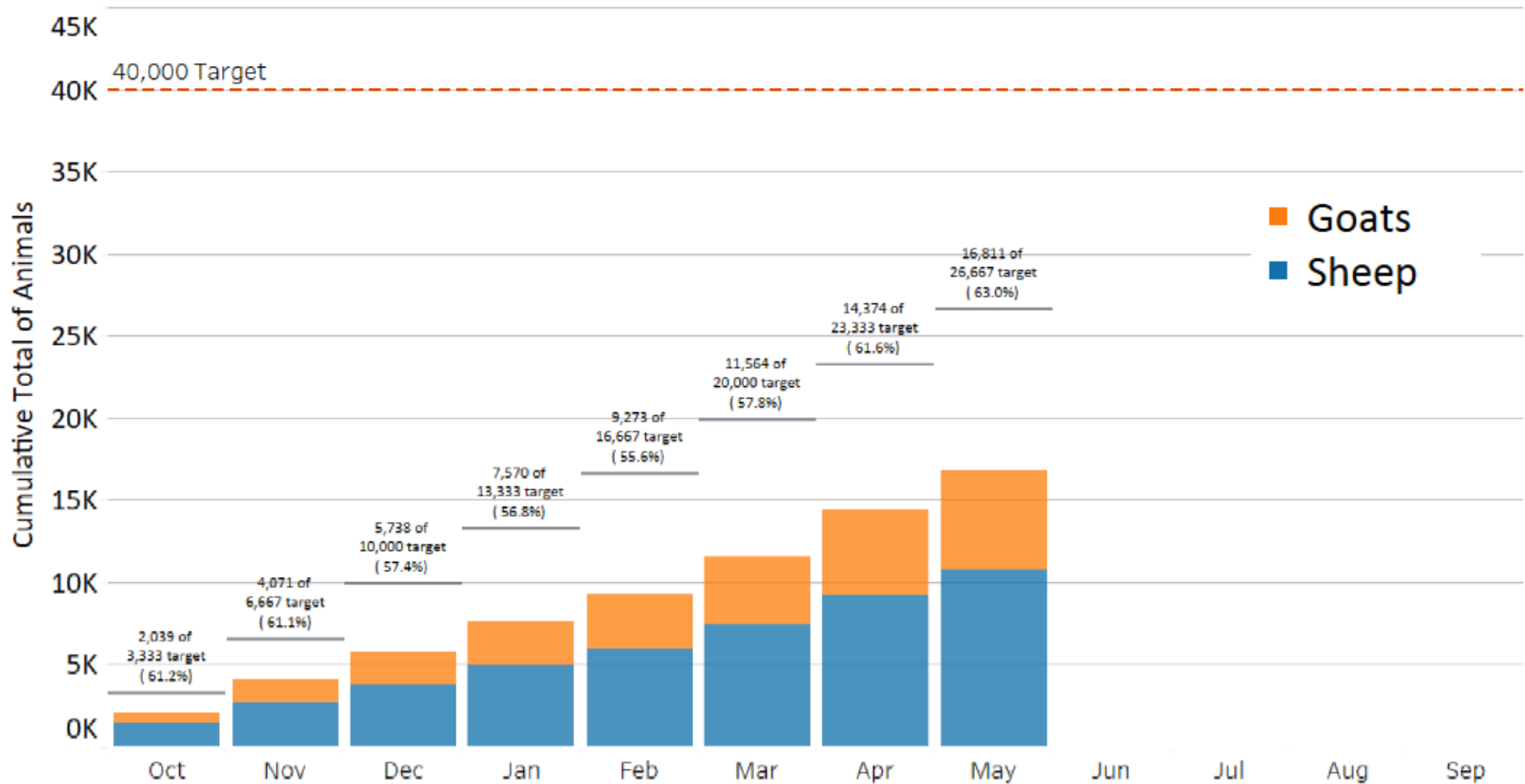
Surveillance

Components of Scrapie Surveillance (continued)

- **RSSS Genotyping** started in November 2018 as a pilot project to decrease the costs of scrapie IHC testing in a subset of submission by only testing those animals that are genetically susceptible to scrapie. DNA is first analyzed to determine the genotype at codon 171, and tissue samples are only IHC tested if the sheep is genetically susceptible, not if it is genetically resistant/less susceptible.
 - As of May 31, 2023, 1,412 have been genotyped in FY 2023; 1,083 (76.7%) of these were not genetically susceptible.
 - In FY 2019 - 2022, a total of 13,197 sheep were genotyped; 9,363 (70.9%) of these were not genetically susceptible.
- **On-farm Surveillance** includes both regulatory testing of scrapie exposed and potentially exposed sheep and goats and testing sheep and goats on farm for routine surveillance.
 - As of May 31, 2023, 513 sheep and 512 goats have been tested on-farm for FY 2023.

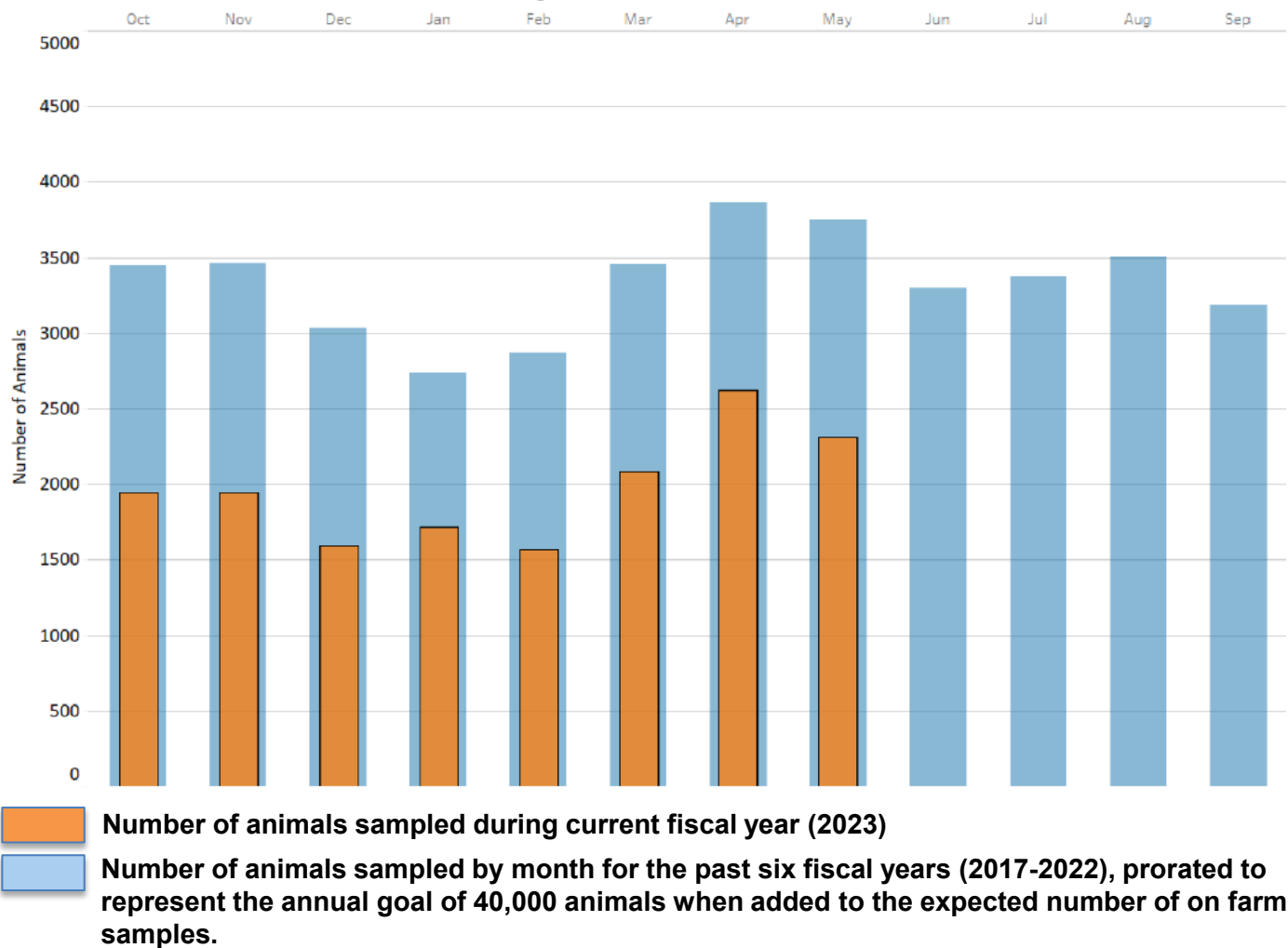
Cumulative Number of Animals Sampled by Month

FY 2023*



* As of May 31, 2023. Includes RSSS and On-farm sampling.

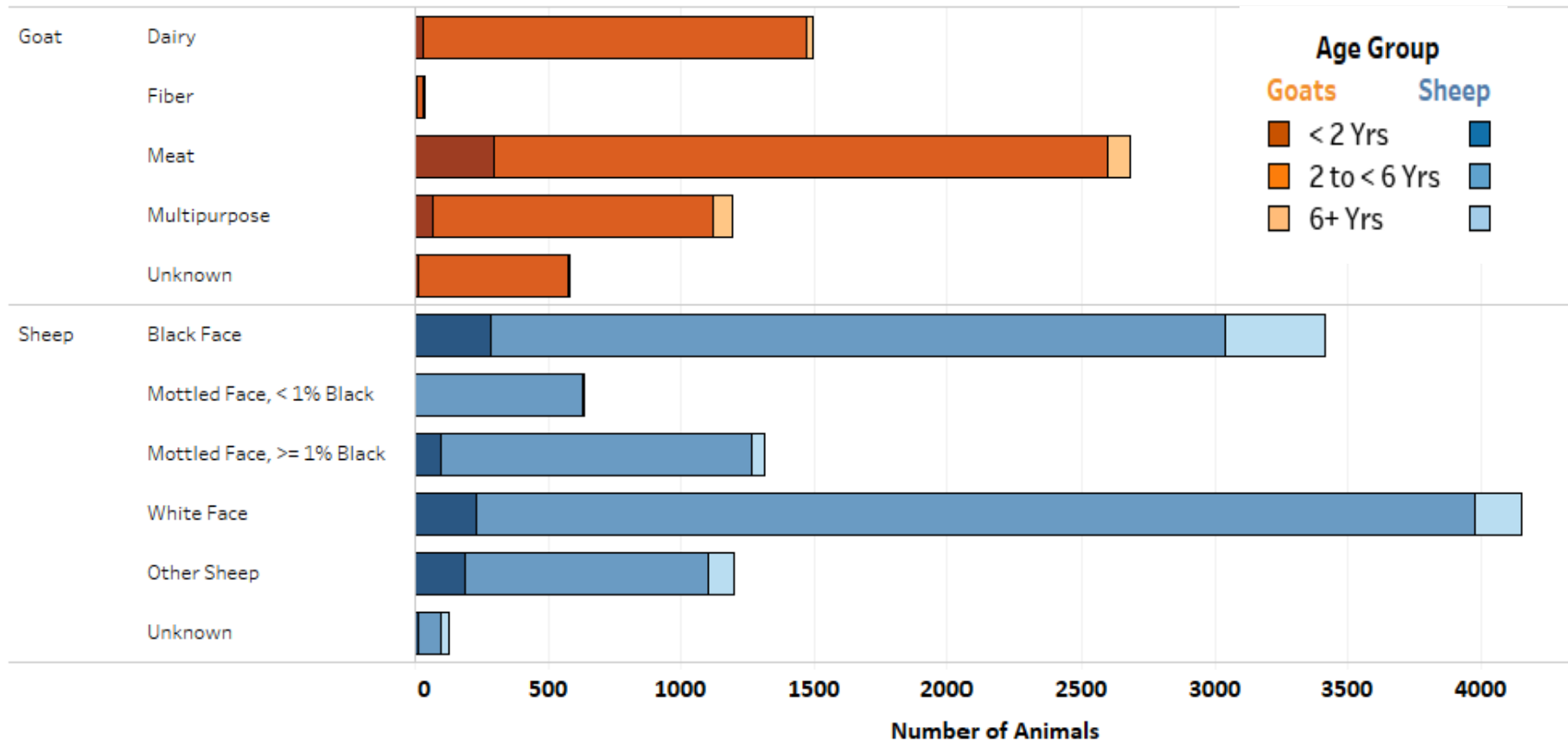
Comparison by Month of RSSS Samples Collected in FY 2023* to Average of FY 2017 – FY 2022



* As of May 31, 2023.

RSSS and On-Farm Surveillance Testing by Species

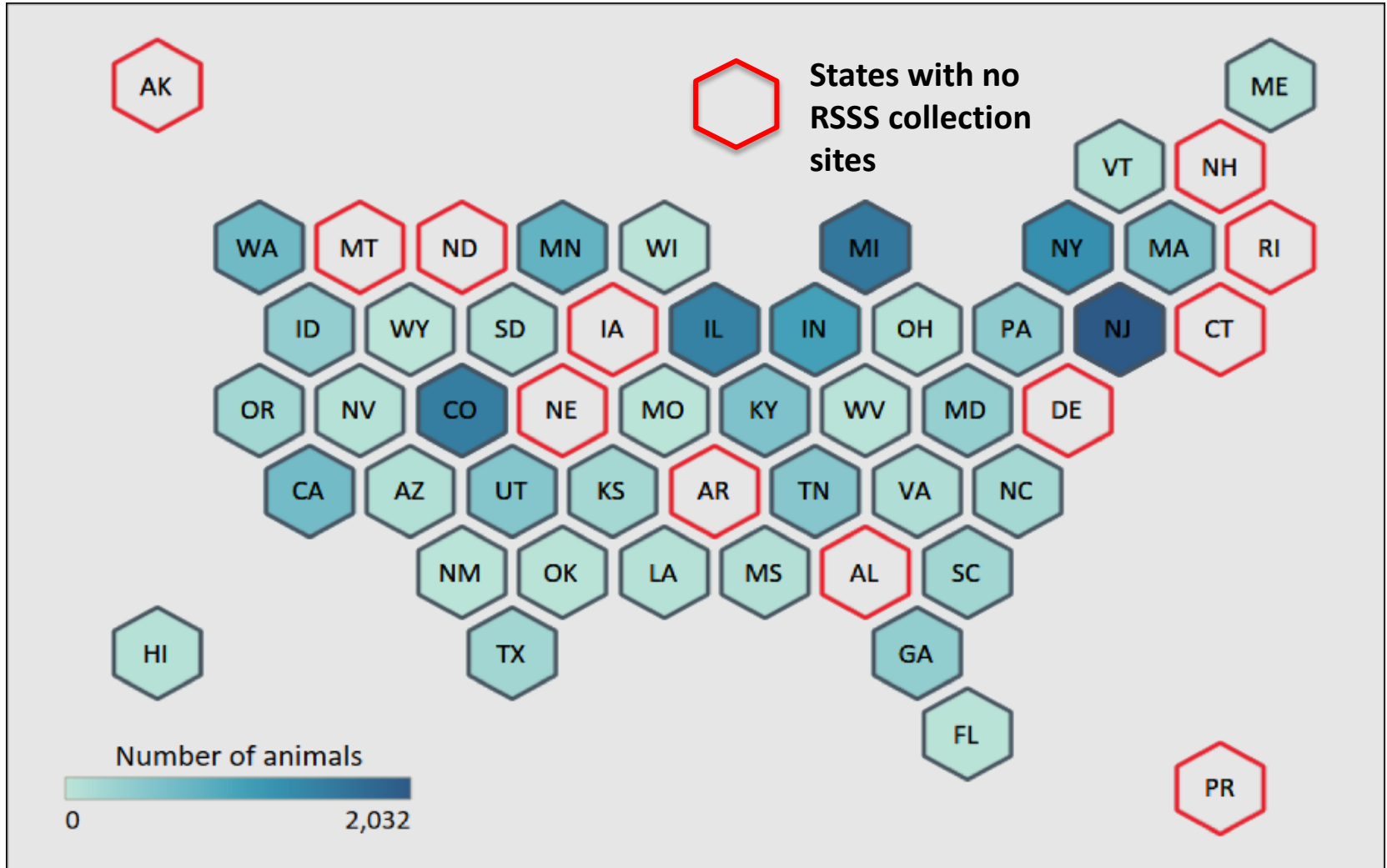
FY 2023*



* As of May 31, 2023.

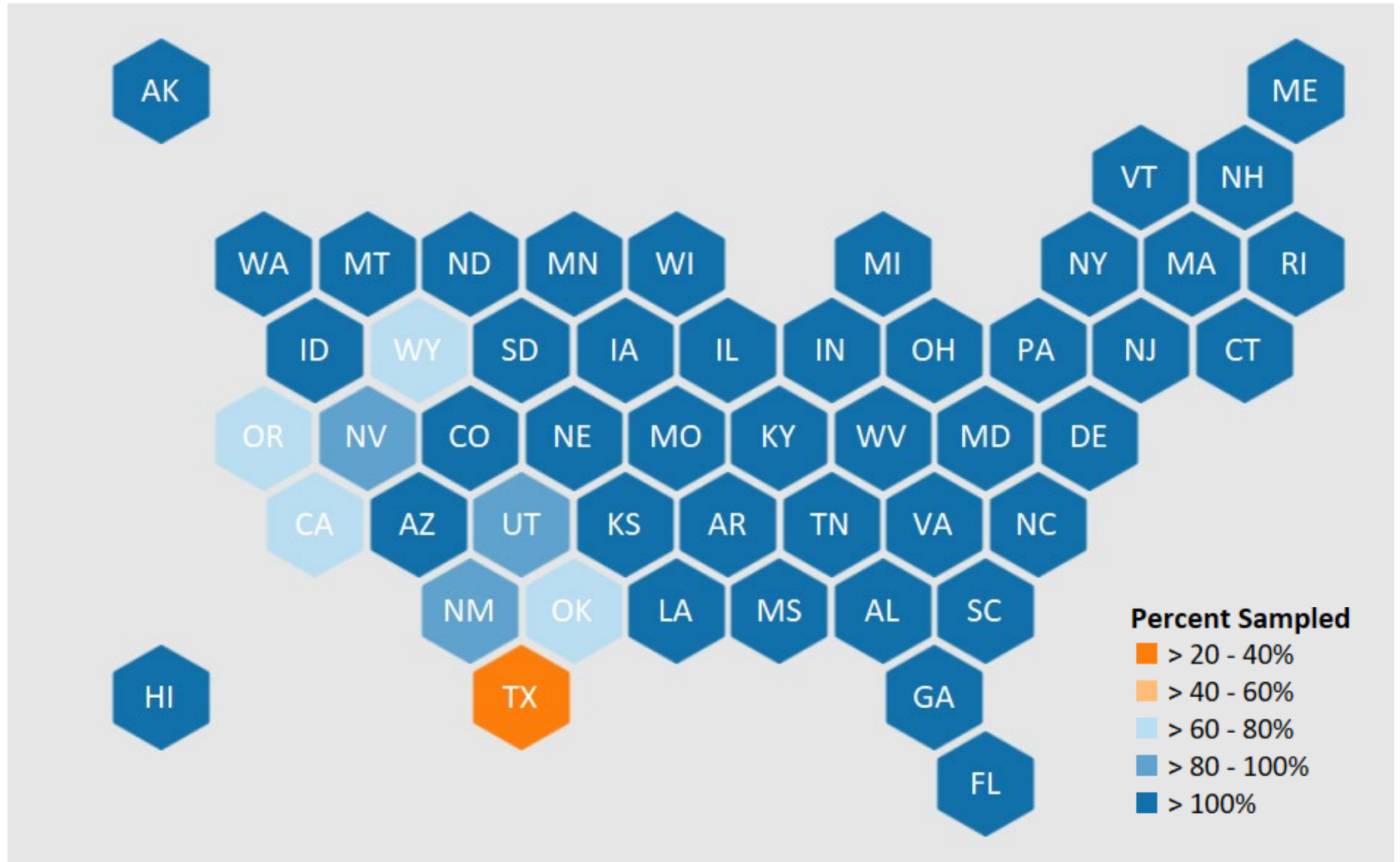
Total RSSS Samples Collected by State

*FY 2023**



* As of May 31, 2023

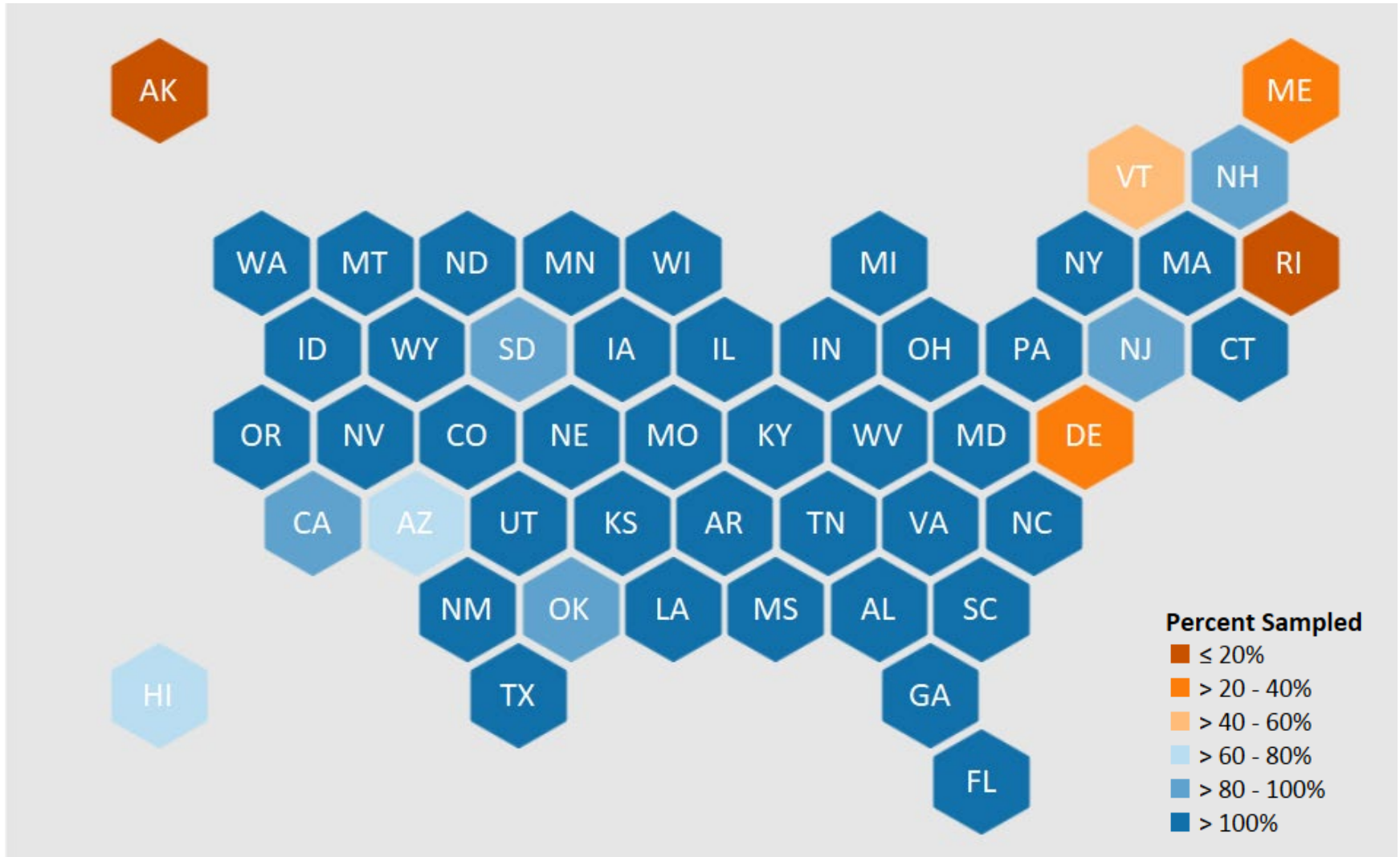
Percent of Sampling Minimum Achieved in FY 2023* - RSSS and On-farm Surveillance Sheep



* As of May 31, 2023. Percentage of sampling minimum achieved is based on 63% of the annual sampling minimum.



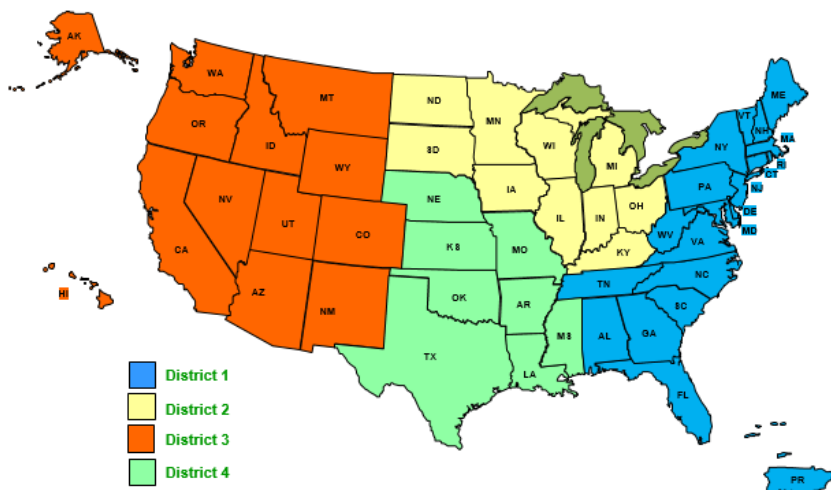
Percent of Sampling Minimum Achieved in FY 2023* - RSSS and On-farm Surveillance Goats



* As of May 31, 2023. Percentage of sampling minimum achieved is based on 66% of the annual sampling minimum.

FY 2023* Sheep and Goat State Sampling Minimums and State Collections - District 1

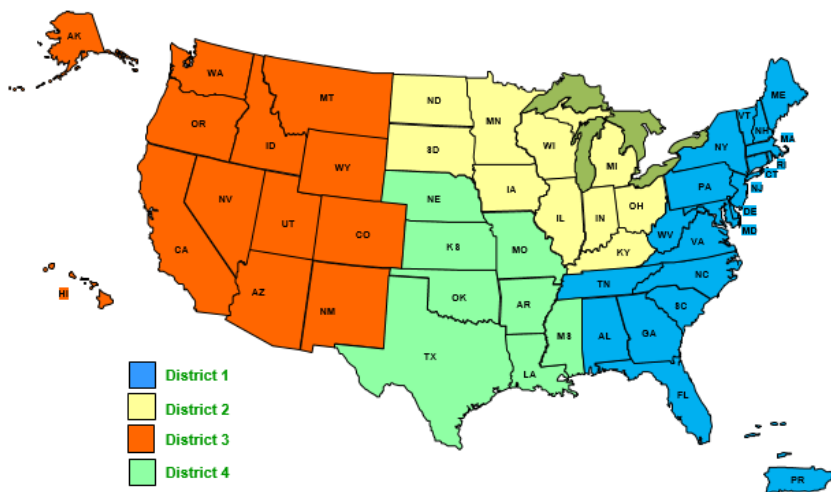
State	Sheep			Goat		
	Number Sampled FY 2023	Total Credits FY 2023	Sampling Minimum FY 2023	Number Sampled FY 2023	Total Credits FY 2023	Sampling Minimum FY 2023
Alabama	31	30.5	43	85	80.5	106
Connecticut	29	30.5	14	16	13.5	12
Delaware	2	2.0	3	1	0.5	3
Florida	50	49.5	38	108	113.5	117
Georgia	55	56.5	43	121	128.5	148
Maine	45	45.5	30	3	3.0	13
Maryland	96	94.0	41	80	75.5	29
Massachusetts	263	263.5	30	43	43.5	17
New Hampshire	64	64.0	19	5	5.0	9
New Jersey	49	49.0	31	7	12.5	23
New York	192	196.0	196	106	112.5	76
North Carolina	100	102.5	68	85	86.0	111
Pennsylvania	322	324.5	360	208	214.0	129
Rhode Island	39	39.0	4	0	0.0	2
South Carolina	34	33.5	22	88	88.0	89
Tennessee	409	409.5	120	231	236.5	236
Vermont	68	69.5	39	9	7.0	21
Virginia	181	181.5	184	170	169.0	108
West Virginia	72	75.5	88	56	64.5	55



* As of May 31, 2023. Note that all surveillance samples may not yet have been credited to the State. Partial sample counts are due to the [credit incentive program](#) implemented in FY 2023.

FY 2023* Sheep and Goat State Sampling Minimums and State Collections - District 2

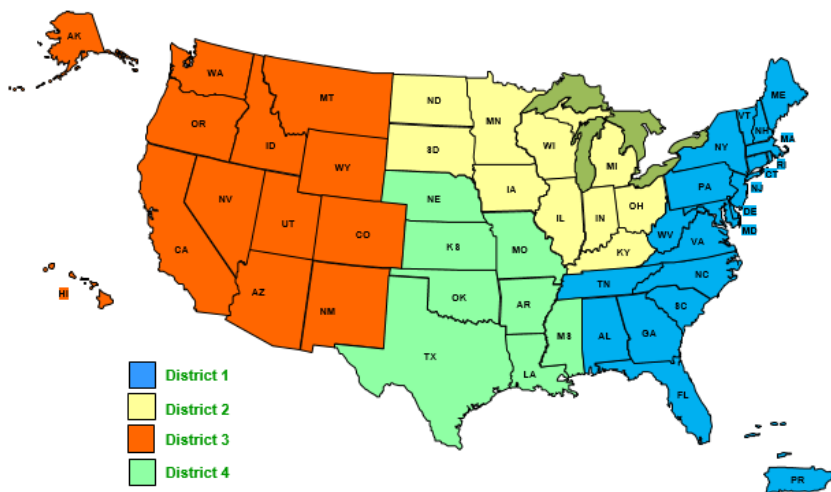
State	Number Sampled FY 2023	Sheep		Number Sampled FY 2023	Goat	
		Total Credits FY 2023	Sampling Minimum FY 2023		Total Credits FY 2023	Sampling Minimum FY 2023
Illinois	162	164.0	140	95	95.0	77
Indiana	381	384.5	234	140	147.0	124
Iowa	438	430.5	348	313	314.0	172
Kentucky	322	317.0	144	186	188.0	145
Michigan	406	406.5	184	54	73.0	68
Minnesota	429	428.0	252	131	130.0	97
North Dakota	253	253.0	172	15	15.0	14
Ohio	380	379.0	304	141	141.0	130
South Dakota	576	574.5	584	25	25.0	39
Wisconsin	269	263.0	200	216	214.0	229



* As of May 31, 2023. Note that all surveillance samples may not yet have been credited to the State. Partial sample counts are due to the [credit incentive program](#) implemented in FY 2023.

FY 2023* Sheep and Goat State Sampling Minimums and State Collections - *District 3*

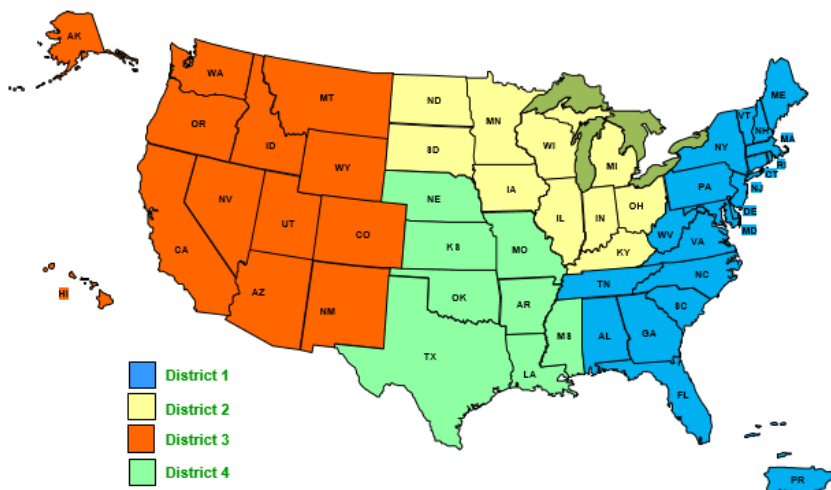
State	Number Sampled FY 2023	Sheep		Number Sampled FY 2023	Goat	
		Total Credits FY 2023	Sampling Minimum FY 2023		Total Credits FY 2023	Sampling Minimum FY 2023
Alaska	2	1.5	1	0	0.0	2
Arizona	104	104.0	84	16	16.0	31
California	413	411.5	875	206	204.5	312
Colorado	626	627.0	620	110	112.0	80
Hawaii	47	47.0	47	15	15.5	36
Idaho	447	446.0	452	56	56.0	56
Montana	348	347.0	488	22	22.0	30
Nevada	138	138.5	264	31	31.0	26
New Mexico	47	47.0	86	35	35.0	30
Oregon	139	137.5	300	75	75.0	96
Utah	392	392.0	698	60	59.0	36
Washington	148	141.0	112	87	85.0	72
Wyoming	418	419.5	860	50	50.0	31



* As of May 31, 2023. Note that all surveillance samples may not yet have been credited to the State. Partial sample counts are due to the [credit incentive program](#) implemented in FY 2023.

FY 2023* Sheep and Goat State Sampling Minimums and State Collections - District 4

State	Sheep			Goat		
	Number Sampled FY 2023	Total Credits FY 2023	Sampling Minimum FY 2023	Number Sampled FY 2023	Total Credits FY 2023	Sampling Minimum FY 2023
Arkansas	40	41.0	38	152	152.0	84
Kansas	129	128.0	140	146	145.5	101
Louisiana	21	21.0	23	37	37.0	42
Mississippi	40	39.5	29	58	58.5	52
Missouri	254	253.0	248	358	358.0	209
Nebraska	229	228.5	196	99	98.5	66
Oklahoma	50	50.0	124	120	120.0	199
Texas	213	213.0	1000	926	927.5	1000



* As of May 31, 2023. Note that all surveillance samples may not yet have been credited to the State. Partial sample counts are due to the [credit incentive program](#) implemented in FY 2023.