



Common Operating Picture in the United States

To better understand the scope of the FMD response and vaccination issue, the next section of maps and data provide information on livestock populations in the United States, starting with Iowa, from the National Agricultural Statistics Service (NASS) (2012). For all of the following outbreak scenarios the best data available is incorporated since some counties chose not to report. These maps are courtesy of CEAH Information Management and Analytic Support Unit. They start at a smaller Control Area and grow to a much larger Control Area, these maps help to illustrate the magnitude of the problem—in other words, how many animals may be affected in the event of an FMD outbreak in a State. For example, even with only one infected county in Iowa, and a surrounding Buffer Zone, more than 2.5 million animals are affected. This common operating picture can help us work together to evaluate and assess our FMD response strategies and how much FMD vaccine we may need.



Iowa Outbreak: One Infected County



Iowa Outbreak: Three Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	7,083	183,865	598	208
Buffer Zone	93,455	2,216,816	6,556	1,496
Total	100,538	2,400,681	7,154	1,704

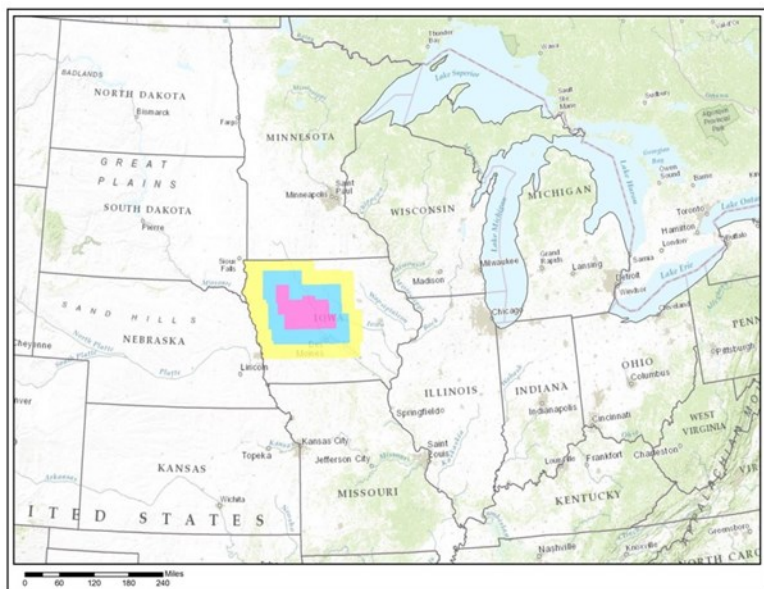
Total livestock affected: 2,508,373

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	31,838	1,189,109	2,779	667
Buffer Zone	289,558	3,980,202	13,968	3,162
Total	321,396	5,169,311	16,747	3,829

Total livestock affected: 5,507,454

Data may be incomplete; counties may choose not to report. Best available data incorporated.

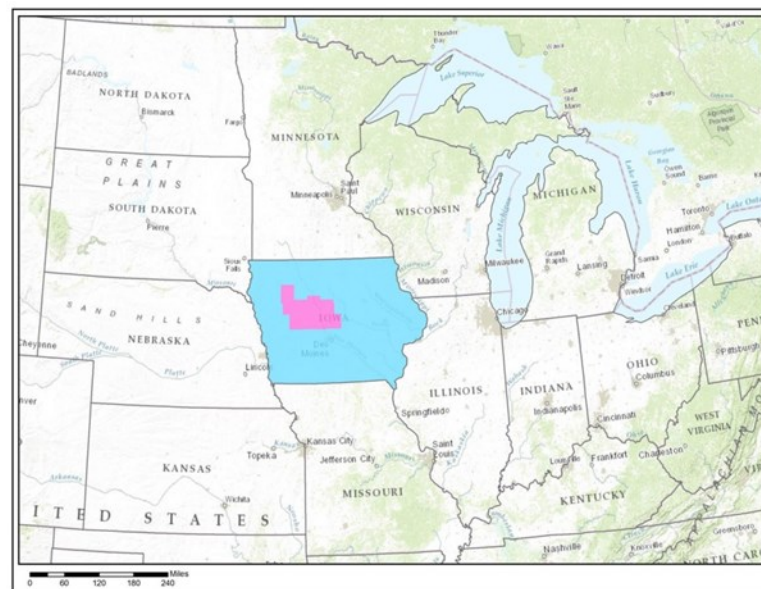
Source: NASS, 2012



Iowa Outbreak: Nine Infected Counties + Vaccination Zone

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	252,829	3,025,683	14,391	2,729
Buffer Zone	502,389	4,999,308	22,140	5,515
Vaccination Zone	1,323,363	5,859,894	51,596	9,639
Total	2,078,581	13,884,885	88,127	17,883

Total livestock affected: 16,051,593



Iowa Outbreak: Nine Infected Counties + Large Buffer Zone

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	252,829	3,025,683	14,391	2,729
Buffer Zone	3,591,723	17,218,848	161,752	35,189
Total	3,844,552	20,244,531	176,143	37,918

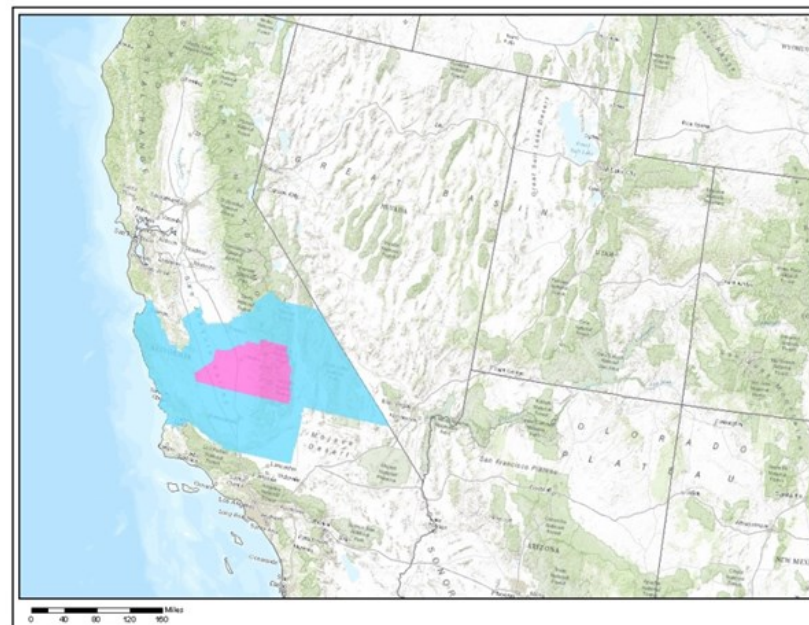
Total livestock affected: 24,265,226



California Outbreak: One Infected County

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	1,086,130	1,621	94,683	1,108
Buffer Zone	1,172,836	1,513	195,823	2,395
Total	2,258,966	3,134	290,506	3,503

Total livestock affected: 2,552,606



California Outbreak: Two Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	1,505,448	1,735	101,041	1,491
Buffer Zone	870,229	1,893	195,360	3,526
Total	2,375,677	3,628	296,401	5,017

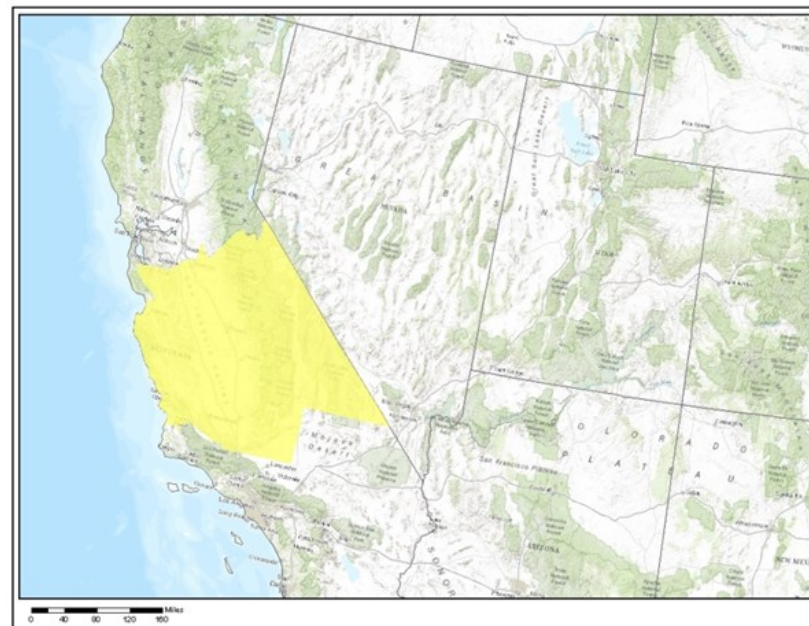
Total livestock affected: 2,675,706



California Outbreak: Five Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	2,640,691	2,758	202,240	3,930
Buffer Zone	958,316	1,458	156,147	5,122
Total	3,599,007	4,216	358,387	9,052

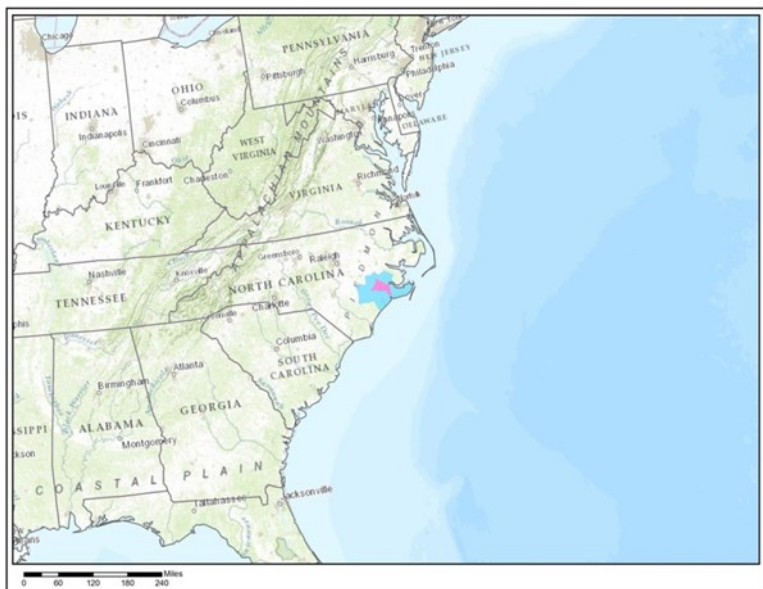
Total livestock affected: 3,961,610



California Outbreak: Protection Vaccination Zone (15 Counties)

Where	Bovine	Swine	Sheep/ Goats	Operations
Vaccination Zone	3,599,007	4,216	358,387	9,052
Total	3,599,007	4,216	358,387	9,052

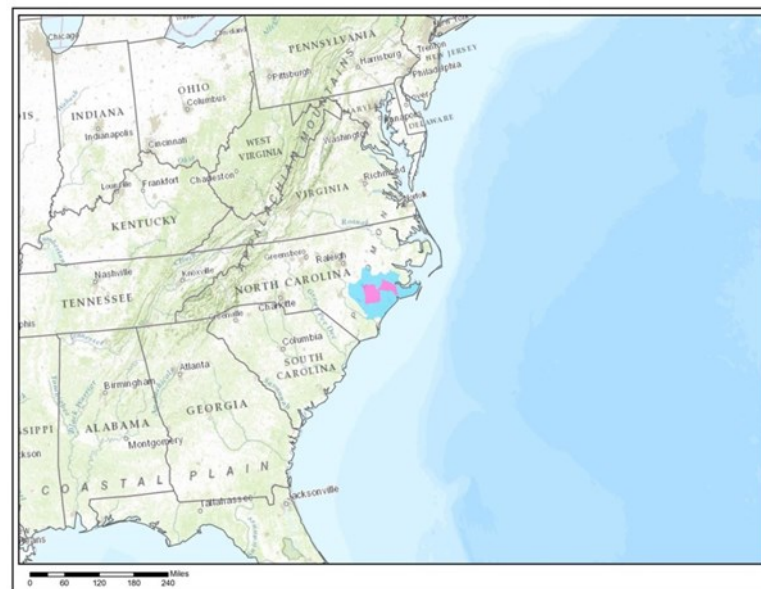
Total livestock affected: 3,961,610



North Carolina Outbreak: One Infected County

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	859	366,159	553	100
Buffer Zone	25,943	2,341,989	1,540	1,032
Total	26,802	2,708,148	2,093	1,132

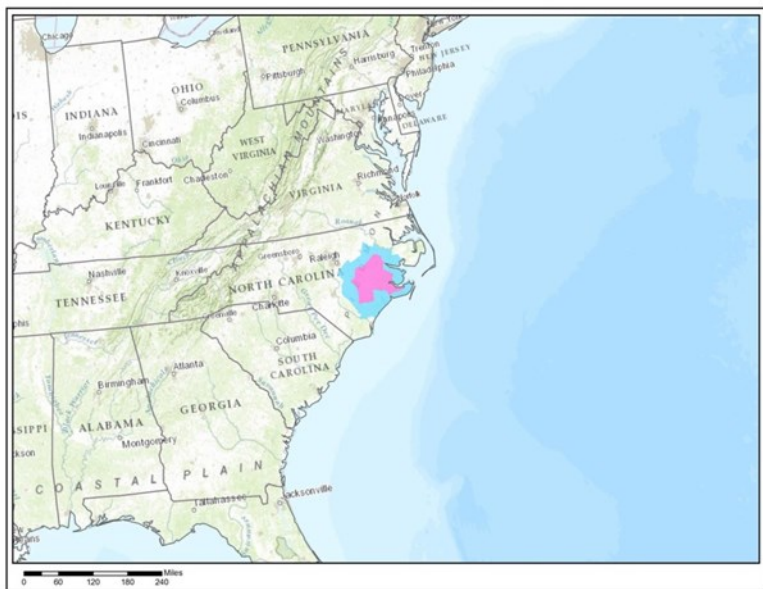
Total livestock affected: 2,737,043



North Carolina Outbreak: Two Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	22,925	2,098,778	1,316	710
Buffer Zone	40,544	3,306,147	4,098	1,469
Total	63,469	5,404,925	5,414	2,179

Total livestock affected: 5,473,808



North Carolina Outbreak: Seven Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	36,314	3,530,122	4,062	1,441
Buffer Zone	47,224	2,721,834	5,530	1,882
Total	83,538	6,251,956	9,592	3,323

Total livestock affected: 6,345,086



North Carolina Outbreak: Protection Vaccination Zone (17 Counties)

Where	Bovine	Swine	Sheep/ Goats	Operations
Vaccination Zone	83,538	6,251,956	9,592	3,323
Total	83,538	6,251,956	9,592	3,323

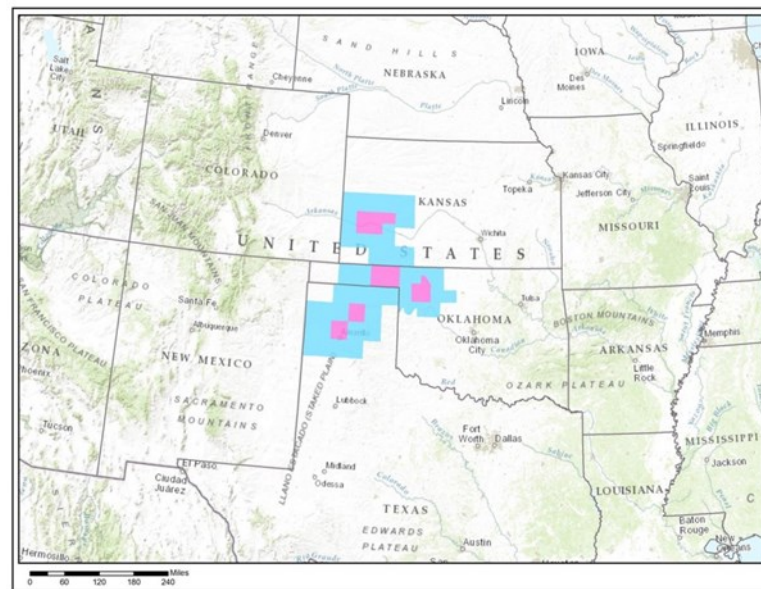
Total livestock affected: 6,345,086



TX-OK-KS Outbreak: Three Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	166,802	34	996	736
Buffer Zone	3,299,714	1,204,248	5,637	3,739
Total	3,466,516	1,204,282	6,633	4,475

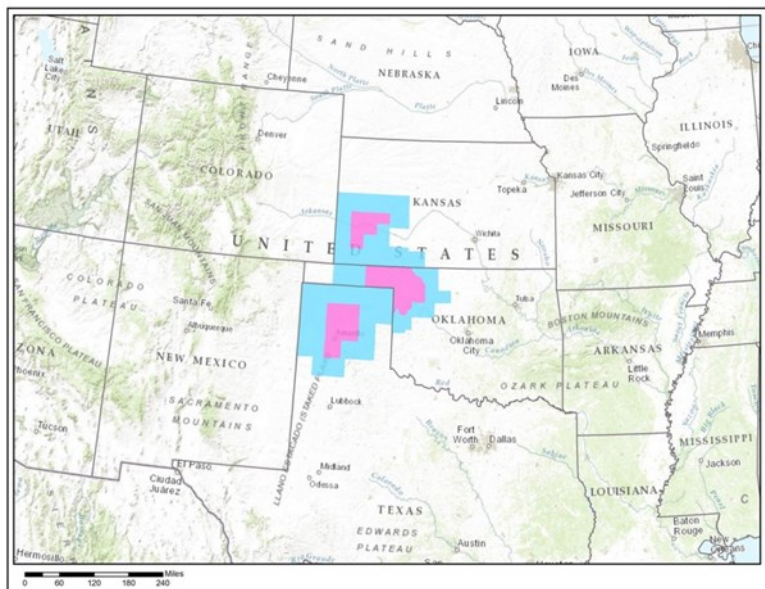
Total livestock affected: 4,677,431



TX-OK-KS Outbreak: Six Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	451,166	90	2,591	1,679
Buffer Zone	4,193,124	1,204,802	8,231	6,115
Total	4,644,290	1,204,892	10,822	7,794

Total livestock affected: 5,860,004



TX-OK-KS Outbreak: Twelve Infected Counties

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	1,139,302	115	5,343	3,197
Buffer Zone	4,584,358	1,204,895	7,722	6,275
Total	5,723,660	1,205,010	13,065	9,472

Total livestock affected: 6,941,735



TX-OK-KS Outbreak: Protection Vaccination Zone (48 Counties)

Where	Bovine	Swine	Sheep/ Goats	Operations
Vaccination Zone	5,723,660	1,205,010	13,065	9,472
Total	5,723,660	1,205,010	13,065	9,472

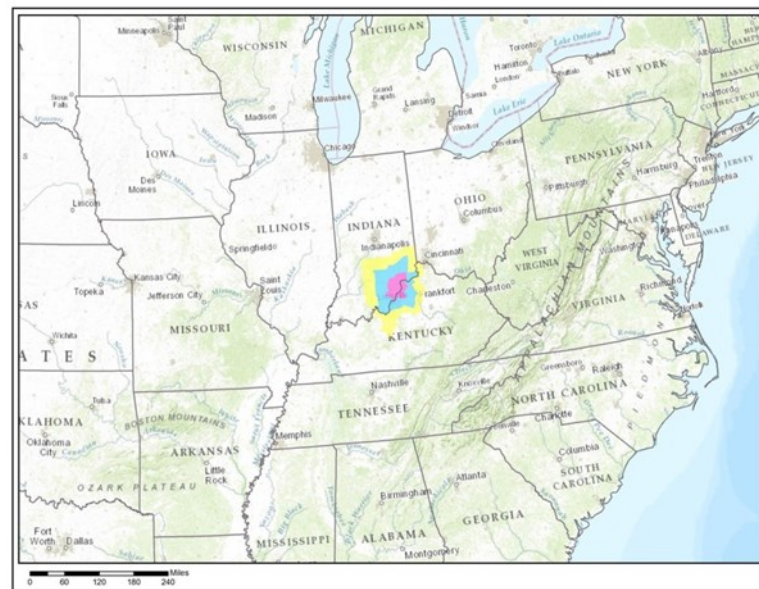
Total livestock affected: 6,941,735



IN-KY Outbreak: One Infected County

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	5,616	170	1,345	393
Buffer Zone	36,868	56,114	4,917	1,807
Total	42,504	56,284	6,262	2,200

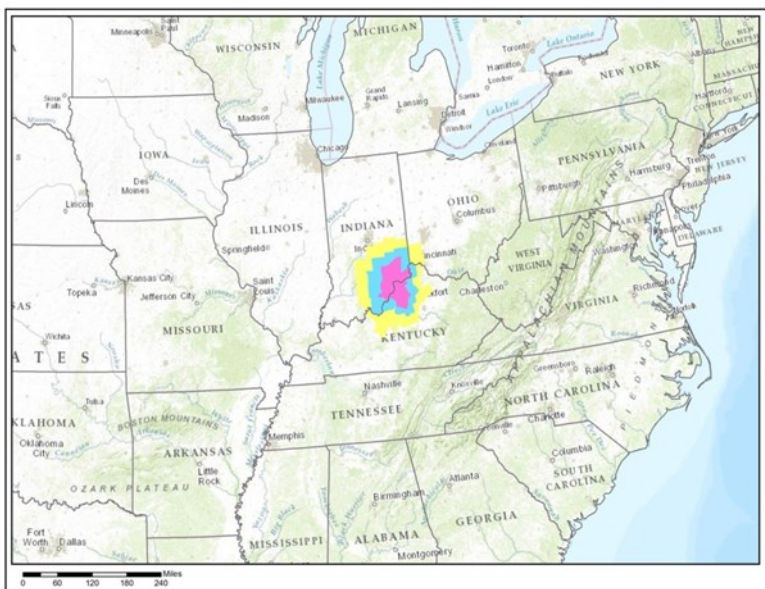
Total livestock affected: 105,050



IN-KY Outbreak: Five Infected Counties + Vaccination Zone

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	24,762	206	3,689	1,224
Buffer Zone	122,745	110,939	11,851	4,093
Vaccination Zone	187,589	179,004	11,954	6,241
Total	335,096	290,149	27,494	11,558

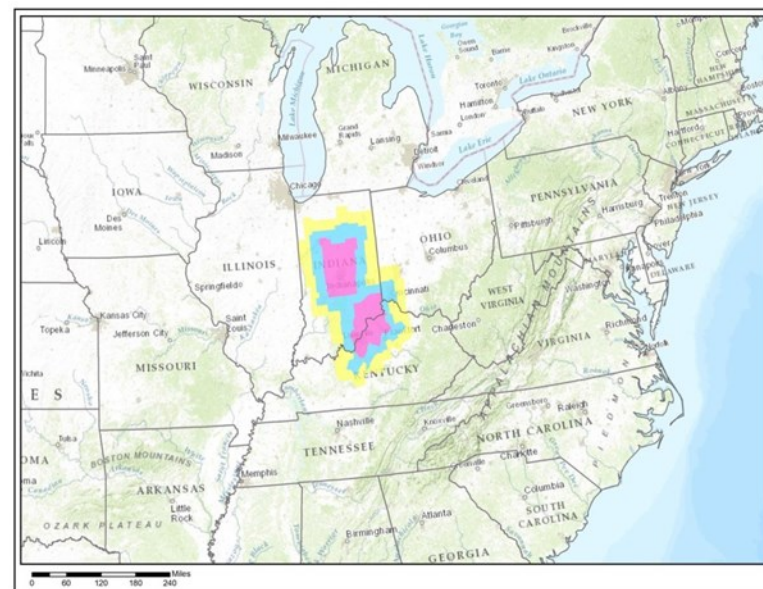
Total livestock affected: 652,739



IN-KY Outbreak: Twelve Infected Counties + Vaccination Zone

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	105,487	56,506	11,266	3,734
Buffer Zone	153,849	226,162	11,215	4,916
Vaccination Zone	368,025	177,034	20,074	9,048
Total	627,361	459,702	42,555	17,698

Total livestock affected: 1,129,618



IN-KY Outbreak: Thirty-Two Infected Counties + Vaccination Zone

Where	Bovine	Swine	Sheep/ Goats	Operations
Infected Zone	172,213	742,536	25,394	7,804
Buffer Zone	386,541	1,158,103	32,219	11,583
Vaccination Zone	680,827	751,218	45,844	16,716
Total	1,239,581	2,651,857	103,457	36,103

Total livestock affected: 3,994,895