

# CERVID INDUSTRY STUDY 2014

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**United States  
 Department of  
 Agriculture**

**Animal and Plant Health Inspection Service**  
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## SECTION 1 - INVENTORY

1. From July 1, 2013 through June 30, 2014, were any **farmed cervids** present on this operation, regardless of ownership?  
 100  Yes - Continue                       No - Go to Section 9, on the back page

**For the purposes of this study, an "operation" will be defined as a group of farmed cervids being managed on one or more locations. For example, a single "operation" might consist of both a breeding facility and a hunting facility.**

2. From July 1, 2013 through June 30, 2014, did this operation have farmed cervids present at more than one location?  
 101  Yes     No

**For the purposes of this study, elk, red deer, sika deer, and elk/red deer/sika deer hybrids should be considered "Elk/Red Deer/Sika Deer". All other farmed cervids should be considered "Deer".**

3. On July 1, 2014, how many of the following types of farmed deer were on this operation, regardless of ownership? (**Exclude Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids.** These farmed cervids will be reported in Item 4. Please report by the age and gender breakdowns listed below. If a type of farmed cervid was not on this operation on July 1, 2014, check the "None" box.)

Deer	None	1 year old and over		Under 1 year old		Total Inventory on July 1, 2014
		Males	Females	Males	Females	
a. Mule deer	102 <input type="checkbox"/>	108	114	120	126	132
b. White-tailed deer	103 <input type="checkbox"/>	109	115	121	127	133
c. Black-tailed deer	104 <input type="checkbox"/>	110	116	122	128	134
d. Fallow deer	105 <input type="checkbox"/>	111	117	123	129	135
e. Reindeer	106 <input type="checkbox"/>	112	118	124	130	136
f. Other deer (exclude Elk/Red deer/Sika deer and hybrids) (Specify: 1000 _____)	107 <input type="checkbox"/>	113	119	125	131	137

### SECTION 1- INVENTORY

4. On July 1, 2014, how many of the following types of farmed elk, red deer, or sika deer were on this operation, regardless of ownership? (**Exclude deer reported in Item 3.** Please report by the age and gender breakdowns listed below. If a type of farmed cervid was not on this operation on July 1, 2014, check the "None" box.)

Elk/Red deer/Sika deer	None	1 year old and over		Under 1 year old		Total Inventory on July 1, 2014
		Males	Females	Males	Females	
a. Elk	138 <input type="checkbox"/>	142	146	150	154	158
b. Red deer	139 <input type="checkbox"/>	143	147	151	155	159
c. Sika deer	140 <input type="checkbox"/>	144	148	152	156	160
d. Elk/Red deer/Sika deer hybrid	141 <input type="checkbox"/>	145	149	153	157	161

5. From July 1, 2013 through June 30, 2014, how many farmed cervids were permanently removed from this operation by the following methods? (**Exclude** farmed cervids that died from natural causes. These farmed cervids will be reported in Item 7.)

Method of Removal	Deer (Include all farmed cervids except Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids.)	Elk /Red Deer/Sika Deer (Include Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids.)
a. Harvested for personal purposes	162	174
b. Hunter harvested on-site	163	175
c. Private sale for game farm hunting on another site	164	176
d. Private sale for breeding stock	165	177
e. Private sale for venison/meat	166	178
f. Directly to packer/slaughter	167	179
g. Traded or given away	168	180
h. Lost or stolen	169	181
i. Sold at markets or auctions	170	182
j. Sold to dealers/brokers	171	183
k. Other (Specify: <sup>1001</sup> _____)	172	184
l. <b>Total</b> (Add Items 5a – 5k in each column)	173	185

6. Of the (Item 5, row l) total farmed cervids that were permanently removed from this operation, how many were moved out-of-state? . . . . .

Deer	Elk/Red Deer/Sika Deer
186	187

### SECTION 1- INVENTORY

7. From July 1, 2013 through June 30, 2014, how many farmed cervids died from the following natural causes?

Cause of Death	Deer (Include all farmed cervids except Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids)	Elk/Red Deer/Sika Deer (Include Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids)
a. EHD (epizootic hemorrhagic disease)	188	198
b. Respiratory illness/pneumonia	189	199
c. Digestive illness	190	200
d. Neurologic disorder	191	201
e. Handling related	192	202
f. Predation	193	203
g. Trauma or fighting (not related to handling or predation)	194	204
h. Lightning/weather related	195	205
i. Other (Specify: <sup>1002</sup> _____)	196	206
j. <b>Total</b> (Add Items 7a – 7i in each column)	197	207

## SECTION 2 - OPERATION MANAGEMENT

1. Which of the following are reasons why farmed cervids were kept on this operation from July 1, 2013 through June 30, 2014?

Reasons	
a. Game ranch/hunting on this operation	208 <input type="checkbox"/> Yes <input type="checkbox"/> No
b. Raised to sell to other game ranch/hunting operation(s)	209 <input type="checkbox"/> Yes <input type="checkbox"/> No
c. Breeding	210 <input type="checkbox"/> Yes <input type="checkbox"/> No
d. Raised to sell for breeding on other operations	211 <input type="checkbox"/> Yes <input type="checkbox"/> No
e. Meat production/slaughter	212 <input type="checkbox"/> Yes <input type="checkbox"/> No
f. Antler/velvet production	213 <input type="checkbox"/> Yes <input type="checkbox"/> No
g. Exhibition	214 <input type="checkbox"/> Yes <input type="checkbox"/> No
h. Taxidermy	215 <input type="checkbox"/> Yes <input type="checkbox"/> No
i. Pets/pleasure	216 <input type="checkbox"/> Yes <input type="checkbox"/> No
j. Boarding	217 <input type="checkbox"/> Yes <input type="checkbox"/> No
k. Rehabilitation	218 <input type="checkbox"/> Yes <input type="checkbox"/> No
l. Urine/scent collection	219 <input type="checkbox"/> Yes <input type="checkbox"/> No
m. Other (Specify: <sup>1003</sup> _____)	220 <input type="checkbox"/> Yes <input type="checkbox"/> No

2. Of the reasons in Item 1, which **one** was the **primary** reason why farmed cervids were kept on this operation? (Enter the row letter from Item 1.) ..... Row letter  
221

3. Does this operation keep the following herd management and business records?

a. Sales/purchases .....	222	<input type="checkbox"/> Yes	3	<input type="checkbox"/> No
b. Breeding .....	223	<input type="checkbox"/> Yes	3	<input type="checkbox"/> No
c. Health .....	224	<input type="checkbox"/> Yes	3	<input type="checkbox"/> No
d. Feed .....	225	<input type="checkbox"/> Yes	3	<input type="checkbox"/> No

4. How many years have farmed cervids been raised on this operation (including previous ownership, if known)? ..... Years  
226

5. On how many acres are this operation's farmed cervids typically located during hunting on this operation? ..... Acres  
228

227  No hunting on this operation

### SECTION 2 - OPERATION MANAGEMENT

6. Which of the following best describes the plans for this operation's herd over the next year? (Check one)

- 229  1 Increase the herd size
- 2 Maintain the herd size
- 3 Decrease the herd size
- 4 Get out of the farmed cervid business

7. Is this operation planning to add any new species of farmed cervids to its herd in the next year?

- 230  1 Yes – Continue
- 3 No – Go to Item 9

8. Which species will be added? (Specify: <sup>1004</sup> \_\_\_\_\_)

9. On July 1, 2014, what percent of this operation's farmed cervid inventory had some type of individual animal identification? . . . . .

Percent
231

10. From July 1, 2013 through June 30, 2014, did any of this operation's farmed cervids have the following types of individual animal identification?

- |  |     |                                |                               |
|--|-----|--------------------------------|-------------------------------|
| a. Plastic ear tags. . . . .                       | 232 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| b. Metal ear tags. . . . .                         | 233 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| c. Electronic ear tags. . . . .                    | 234 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| d. Electronic implant/microchip. . . . .           | 235 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| e. Tattoo/freeze brand. . . . .                    | 236 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| f. Other (Specify: <sup>1005</sup> _____). . . . . | 237 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |

### SECTION 3 - HANDLING FACILITIES AND METHODS

1. On July 1, 2014, were the following facilities or structures for handling or processing farmed cervids present on this operation?

- |   |     |                                |                               |
|---|-----|--------------------------------|-------------------------------|
| a. Pens or other enclosures for sorting, handling, etc. . . . .       | 238 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| b. Alley connecting multiple pens for sorting, handling, etc. . . . . | 239 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| c. Tunnels such as enclosed passageways. . . . .                      | 240 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| d. Shading/subdued lighting. . . . .                                  | 241 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| e. Drop chute. . . . .  | 242 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| f. Tilt table. . . . .  | 243 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| g. Guillotine gates. . . . .  | 244 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| h. Swing gates. . . . .   | 245 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| i. Cable and pulley system to operate gates remotely. . . . .         | 246 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |
| j. Feeders in handling pens that can be operated remotely. . . . .    | 247 | <input type="checkbox"/> 1 Yes | <input type="checkbox"/> 3 No |

2. Were this operation's handling facilities designed specifically for handling farmed cervids? . . . . .

	248	<input type="checkbox"/> 1 Yes	<input type="checkbox"/> 3 No
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### SECTION 3 - HANDLING FACILITIES AND METHODS

Times

3. From July 1, 2013 through June 30, 2014, how many times did this operation handle a farmed cervid as an **individual** for any reason, such as during a veterinary exam for a possible illness or treatment?

249

Times

4. From July 1, 2013 through June 30, 2014, how many times did this operation handle multiple farmed cervids as a **group of 2 or more** for any reason, such as bringing multiple cervids into a single enclosure for vaccinations or ear tagging? . . . . .

250

**[If Item 3 and Item 4 are both ZERO, go to Section 4; otherwise, continue.]**

5. From July 1, 2013 through June 30, 2014, were any farmed cervids on this operation handled for the following reasons?

- a. Treatment/physical examination. . . . . 251 1  Yes 3  No
- b. Vaccination. . . . . 252 1  Yes 3  No
- c. Testing/sampling. . . . . 253 1  Yes 3  No
- d. Contraception. . . . . 254 1  Yes 3  No
- e. Artificial insemination. . . . . 255 1  Yes 3  No
- f. Assisted fawning/calving. . . . . 256 1  Yes 3  No
- g. Movement of animals. . . . . 257 1  Yes 3  No
- h. Escape recovery. . . . . 258 1  Yes 3  No
- i. Euthanasia. . . . . 259 1  Yes 3  No
- j. Other (Specify: <sup>1006</sup> \_\_\_\_\_). . . . . 260 1  Yes 3  No

6. From July 1, 2013 through June 30, 2014, how often were farmed cervids sorted, such as by gender or age, prior to actually handling them? . . . . . 261  
1  Always 2  Sometimes 3  Never

7. Did any of the people who handled farmed cervids on this operation from July 1, 2013 through June 30, 2014 receive any handler training (including on-the-job training)? . . . . . 262  
1  Yes 3  No

8. From July 1, 2013 through June 30, 2014, were the following means ever used to handle farmed cervids on this operation?
- a. Direct chemical restraint, such as a syringe injection . . . . . 263 1  Yes 3  No
  - b. Remote chemical restraint, such as darting. . . . . 264 1  Yes 3  No
  - c. Gas anesthesia, such as a mask. . . . . 265 1  Yes 3  No

**SECTION 4 - BIOSECURITY**

1. From July 1, 2013 through June 30, 2014, were any farmed cervids **moved off and returned** to this operation, such as taken to pasture that is not part of this operation, bred off-site, etc.?

<sup>266</sup>  Yes - Continue       No - Go to Item 3

2. From July 1, 2013 through June 30, 2014, were any farmed cervids moved off the operation and returned for the following reasons?

- a. Breeding **males** sent to another operation for breeding purposes and returned. . . . . <sup>267</sup>  Yes     No
- b. Breeding **females** sent to another operation for breeding purposes and returned. . . . . <sup>268</sup>  Yes     No
- c. Farmed cervids moved off-site to pasture on another operation and returned. . . . . <sup>269</sup>  Yes     No
- d. Other (Specify: <sup>1007</sup> \_\_\_\_\_). . . . . <sup>270</sup>  Yes     No

3. From July 1, 2013 through June 30, 2014, were any new farmed cervids **brought onto** this operation, either permanently or temporarily?

<sup>271</sup>  Yes - Continue     No - Go to Item 9

4. From July 1, 2013 through June 30, 2014, how many farmed cervids were brought onto this operation from the following sources?

Source of Farmed Cervids	Deer (Include all farmed cervids except Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids)	Elk /Red Deer/Sika Deer (Include Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids)
a. Private sale	272	278
b. Trade	273	279
c. Auction	274	280
d. Dealer	275	281
e. Other (Specify: <sup>1008</sup> _____)	276	282
f. <b>Total</b> (Add Items 4a – 4e)	277	283

	Deer	Elk/Red Deer/Sika Deer
5. Of the (Item 4, row f) total cervids that were brought onto this operation, how many were obtained from an out-of-state source? . . . . .	284	285

6. From July 1, 2013 through June 30, 2014, how often did this operation require that the herd of origin for the farmed cervids brought onto this operation be:

- a. Tuberculosis (TB) Accredited? . . . . . <sup>286</sup>  Always     Sometimes     Never
- b. Enrolled in a chronic wasting disease (CWD) herd certification program? . . . . . <sup>287</sup>  Always     Sometimes     Never
- c. Certified Brucellosis-Free? . . . . . <sup>288</sup>  Always     Sometimes     Never

**For the next question, new additions include farmed cervids that were permanently added to the herd and farmed cervids that were brought in temporarily for breeding, boarding, or other purposes.**

7. From July 1, 2013 through June 30, 2014, how often were **new additions** isolated (no physical contact or shared confinements) before introduction into this operation's herd?

<sup>289</sup>  Always - Continue       Sometimes - Continue       Never - Go to Item 9

### SECTION 4 - BIOSECURITY

**Days**

290
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8. How many days were new additions typically isolated on this operation? .....
9. From July 1, 2013 through June 30, 2014, were the following **non-farmed cervids** and **other wild animals** ever seen inside this operation's perimeter fence or near the perimeter fence line?

Wild Animals	Inside Perimeter Fence	Near Perimeter Fence Line
a. White-tailed deer	291 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	299 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
b. Mule deer	292 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	300 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
c. Elk	293 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	301 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
d. Other wild cervids (Specify: <sup>1009</sup> _____)	294 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	302 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
e. Bighorn sheep	295 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	303 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
f. Other wild sheep	296 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	304 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
g. Wild goats	297 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	305 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No
h. Feral Swine	298 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	306 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No

10. From July 1, 2013 through June 30, 2014, were the following types of fencing used as **perimeter** fencing to confine this operation's farmed cervids and exclude wild cervids and other wildlife, and if so, how many feet high is that fencing?

Fence type	Used as Perimeter Fence	Height of Fence (Feet)
a. Woven wire	307 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	314
b. Wood	308 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	315
c. Chain link	309 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	316
d. High-tensile wire	310 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	317
e. Electric	311 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	318
f. Barbed wire	312 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	319
g. Other (Specify: <sup>1010</sup> _____)	313 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	320

11. From July 1, 2013 through June 30, 2014, did this operation have double fencing around its perimeter? ..... <sup>321</sup> 1  Yes    3  No
12. From July 1, 2013 through June 30, 2014, did any farmed cervids escape from this operation? ..... <sup>322</sup> 1  Yes    3  No    2  Don't Know
13. From July 1, 2013 through June 30, 2014, were any farmed cervids from a different operation within 1 mile of the farmed cervids on this operation?  
<sup>323</sup> 1  Yes - Continue    3  No - Go to Section 5    2  Don't Know - Go to Section 5
14. Did these other farmed cervids have fence-line contact with this operation's farmed cervids? ..... <sup>472</sup> 1  Yes    3  No



### SECTION 5 - REPRODUCTION

1. From July 1, 2013 through June 30, 2014, were any farmed cervids bred while on this operation?

324

- 1 Yes - Continue
- 3 No - Go to Section 6

2. From July 1, 2013 through June 30, 2014, were the following breeding practices used on this operation?

a. Single male placed with multiple females. ....

325

- 1 Yes
- 3 No

b. Single male placed with single female. ....

326

- 1 Yes
- 3 No

c. Multiple males placed with multiple females. ....

327

- 1 Yes
- 3 No

d. Artificial insemination. ....

328

- 1 Yes
- 3 No

e. Embryo transfer. ....

329

- 1 Yes
- 3 No

3. From July 1, 2013 through June 30, 2014, were **males** temporarily brought onto this operation from another operation for breeding purposes? .....

330

- 1 Yes
- 3 No

4. From July 1, 2013 through June 30, 2014, were **females** temporarily brought onto this operation from another operation for breeding purposes? .....

331

- 1 Yes
- 3 No

**Percent**

5. Of this operation's female farmed cervids that were bred during the last breeding season, what percent gave birth to a live fawn or calf? .....

332

**Percent**

6. Of the **fawns and calves that were born to the female farmed cervids in Item 5 above**, what percent survived and were successfully weaned? .....

333

**[If Item 6 is 100%, go to Item 8; otherwise, continue]**

7. Of the **fawns and calves that were born to the female farmed cervids in Item 5 above**, did any fawns or calves die before weaning due to:

a. Diarrhea/scours? .....

334

- 1 Yes
- 3 No

b. Respiratory disease/pneumonia? .....

335

- 1 Yes
- 3 No

c. Hypothermia/freezing? .....

336

- 1 Yes
- 3 No

d. Trauma? .....

337

- 1 Yes
- 3 No

e. Predators? .....

338

- 1 Yes
- 3 No

f. Other? (Specify: <sup>1011</sup> \_\_\_\_\_).

339

- 1 Yes
- 3 No

8. Which of the following best describes the pre-weaning management of **fawns and calves born from the last breeding season** on this operation? (Check one)

340

- 1 Fawns and calves remained with mothers and remained with the herd
- 2 Fawns and calves remained with mothers, but were separated from the rest of the herd
- 3 Fawns and calves were separated from their mothers and bottle fed
- 4 Other (Specify: <sup>1012</sup> \_\_\_\_\_)

### SECTION 5 - REPRODUCTION

9. How many **fawns and calves born from the last breeding season** on this operation received:

- a. Colostrum from the mother (either nursing or by hand)? ..... 341 1  Most 2  Some 3  None
- b. Colostrum from other deer/elk on the operation? ..... 342 1  Most 2  Some 3  None
- c. Colostrum from a goat or a sheep? ..... 343 1  Most 2  Some 3  None
- d. Colostrum from a cow? ..... 344 1  Most 2  Some 3  None
- e. Commercial colostrum product? ..... 345 1  Most 2  Some 3  None
- f. Commercial milk replacer product? ..... 346 1  Most 2  Some 3  None

**Hours**

10. How many hours following birth did newborn fawns and calves typically receive their **first** colostrum (from any source)? .....

347
-----

### SECTION 6 - HEALTH MANAGEMENT

1. How familiar are you with the following diseases in farmed cervids? (Check one box per row)

Diseases	Not familiar	Slightly familiar	Moderately familiar	Very familiar
a. Tuberculosis (TB) 348	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
b. Chronic wasting disease (CWD) 349	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
c. Epizootic hemorrhagic disease (EHD) 350	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
d. Malignant catarrhal fever (MCF) 351	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
e. Clostridial diseases 352	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
f. Brucellosis 353	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

2. From July 1, 2013 through June 30, 2014, did this operation vaccinate any farmed cervids against the following diseases?

- a. *Clostridium perfringens* Type A (diarrhea) ..... 354 1  Yes 3  No
- b. *Clostridium perfringens* Type C and D (overeating, enterotoxemia) ..... 355 1  Yes 3  No
- c. Tetanus ..... 356 1  Yes 3  No
- d. Epizootic hemorrhagic disease (EHD) ..... 357 1  Yes 3  No
- e. Bluetongue ..... 358 1  Yes 3  No
- f. *Fusobacterium necrophorum* (lumpy jaw) ..... 359 1  Yes 3  No
- g. *Pasteurella multocida* (pneumonia) ..... 360 1  Yes 3  No
- h. *Trueperella pyogenes* (Actinomyces, Corynebacterium, Arcanobacterium) . . . 361 1  Yes 3  No
- i. Other (Specify: <sup>1013</sup> \_\_\_\_\_). ..... 362 1  Yes 3  No

### SECTION 6 - HEALTH MANAGEMENT

3. From July 1, 2013 through June 30, 2014, did a veterinarian visit this farmed cervid operation for any reason?

363      1  Yes - Continue    3  No - Go to Item 5

4. Did the veterinarian visit this farmed cervid operation for the following reasons?

- |   |     |                                |  |                               |
|---|-----|--------------------------------|--|-------------------------------|
| a. Medical treatment, for illness or injury .....               | 364 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| b. Consultation, such as nutrition or reproduction advice. .... | 365 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| c. Vaccinations. ....   | 366 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| d. Health certificate issuance. ....                            | 367 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| e. Artificial insemination. ....                                | 368 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| f. CWD sampling. ....   | 369 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| g. TB testing. ....   | 370 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| h. Brucellosis testing. ....                                    | 371 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| i. Tranquilization/handling. ....                               | 372 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| j. Euthanasia. ....   | 373 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |
| k. Other (Specify: <sup>1014</sup> _____).                      | 374 | 1 <input type="checkbox"/> Yes |  | 3 <input type="checkbox"/> No |

5. From July 1, 2013 through June 30, 2014, were the following conditions present (suspected or confirmed) in this farmed cervid operation's herd, and if so, how many head were affected with that condition?

Conditions	Presence (suspected or confirmed)	Number Affected (head)
a. Pneumonia	375 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	385
b. Diarrhea	376 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	386
c. Necrobacillosis (lumpy jaw)	377 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	387
d. Clostridial diseases (blackleg, malignant edema, tetanus, enterotoxemia)	378 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	388
e. Abscesses	379 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	389
f. Internal parasites, for example worms	380 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	390
g. External parasites	381 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	391
h. Lameness/foot problems	382 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	392
i. Infected pedicles/antlers	383 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	393
j. Warts	384 1 <input type="checkbox"/> Yes    3 <input type="checkbox"/> No	394

### SECTION 6 - HEALTH MANAGEMENT

6. From July 1, 2013 through June 30, 2014, were there any sudden, unexplained increases in death loss within this operation's herd? ..... 395 1  Yes 3  No
7. From July 1, 2013 through June 30, 2014, were any dead farmed cervids on this operation observed to have sloughing hooves, oral ulcers/sores, or scars on the rumen? (Include hunter-killed farmed cervids)  
396 1  Yes 3  No 4  No farmed cervids died
8. In the last 5 years, has epizootic hemorrhagic disease (EHD) been present in wildlife within 10 miles of this farmed cervid operation's herd? 397 1  Yes 3  No 2  Don't Know
9. How concerned are you about the potential transmission of EHD to your farmed cervid operation? (Check one)  
398 1  Not concerned  
2  Slightly concerned  
3  Moderately concerned  
4  Very concerned
10. From July 1, 2013 through June 30, 2014, were the following control measures used **specifically to prevent EHD**?  
a. Application of insecticide to farmed cervid confinement areas ..... 399 1  Yes 3  No  
b. Application of insecticide directly on farmed cervids. .... 400 1  Yes 3  No  
c. Control of midge breeding sites, such as elimination of wet soil around water sources. .... 401 1  Yes 3  No  
d. Use of other midge control methods (Specify: <sup>1015</sup> \_\_\_\_\_). .... 402 1  Yes 3  No
11. In the last 3 years, were any of this operation's farmed cervids suspected or confirmed to have EHD?  
403 1  Yes - Continue 3  No - Go to Section 7 2  Don't Know - Go to Section 7
12. During the most recent occurrence of EHD on this operation, were any farmed cervids confirmed to have EHD by a trained professional or through a veterinary laboratory? . . . . 404 1  Yes 3  No
13. During the most recent occurrence of EHD on this operation, what **percent** of farmed cervids **showed signs** of EHD?

**Percent**

- a. Deer (Include all farmed cervids except Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids) .....  
b. Elk, Red deer, Sika deer (Include Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids)

405
406

14. During the most recent occurrence of EHD on this operation, what **percent** of farmed cervids **died** from EHD?

**Percent**

- a. Deer (Include all farmed cervids except Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids) .....  
b. Elk, Red deer, Sika deer (Include Elk, Red deer, Sika deer, and Elk/Red deer/Sika deer hybrids)

407
408

### SECTION 7 – DISEASE TESTING PRACTICES

1. How concerned are you about the potential transmission of chronic wasting disease (CWD) to your farmed cervid operation? (Check one)

- 409
- 1  Not concerned
  - 2  Slightly concerned
  - 3  Moderately concerned
  - 4  Very concerned

2. From July 1, 2013 through June 30, 2014, were any of this operation's farmed cervids tested for CWD?

- 410
- 1  Yes - Continue
  - 3  No - Go to Item 9

Percent

3. Of all adult (12 months old and above) farmed cervids that died from **natural causes** from July 1, 2013 through June 30, 2014, what **percent** were tested for CWD?

411

4. Were any of this operation's farmed cervids slaughtered from July 1, 2013 through June 30, 2014?

- 412
- 1  Yes - Continue
  - 3  No - Go to Item 6

Percent

5. Of the farmed cervids that were slaughtered from July 1, 2013 through June 30, 2014, what **percent** were tested for CWD? .....

413

6. Were any of this operation's farmed cervids hunter killed on this operation from July 1, 2013 through June 30, 2014?

- 414
- 1  Yes - Continue
  - 3  No - Go to Item 8

Percent

7. Of the farmed cervids that were hunter killed on this operation from July 1, 2013 through June 30, 2014, what **percent** were tested for CWD? .....

415

Years

8. How many years has this operation tested its farmed cervids for CWD? .....

416

9. Does this operation participate in a CWD herd certification program?

- 417
- 1  Yes - Continue
  - 3  No - Go to Item 11

Year

10. What year did this operation begin participating in a CWD herd certification program?

418

11. How familiar are you with the Dual Path Platform (DPP) blood test for tuberculosis testing in farmed cervids? (Check one)

- 419
- 1  Not familiar
  - 2  Slightly familiar
  - 3  Moderately familiar
  - 4  Very familiar

12. How familiar are you with the TB Accreditation Program for farmed cervid herds? (Check one)

- 420
- 1  Not familiar
  - 2  Slightly familiar
  - 3  Moderately familiar
  - 4  Very familiar

### SECTION 7- DISEASE TESTING PRACTICES

13. On July 1, 2014, was this operation's farmed cervid herd a TB Accredited Herd, or in the process of becoming a TB Accredited Herd?

421

- Yes - Go to Item 15
- No - Continue

14. Has this operation's farmed cervid herd **not** become a TB Accredited Herd because:

- a. TB tests are not reliable? .....
- b. It's too expensive to test? .....
- c. There's not enough time to test? .....
- d. It hasn't been recommended by veterinarian? .....
- e. TB is not a concern to this operation? .....
- f. Other? (Specify: <sup>1016</sup> \_\_\_\_\_).

422

- Yes
- No

423

- Yes
- No

424

- Yes
- No

425

- Yes
- No

426

- Yes
- No

427

- Yes
- No

15. In the last 5 years, were any farmed cervids on this operation tested for TB?

428

- Yes - Continue
- No - Go to Item 20

16. In the last 5 years, were the following types of TB tests used for any farmed cervids on this operation?

- a. Tuberculin skin tests (TB skin test) .....
- b. Blood tests (TB Stat Pack or DPP) .....

429

- Yes
- No

430

- Yes
- No

17. When was the most recent TB test for any farmed cervids on this operation? (Check one)

431

- Less than one year ago
- 1 to 2 years ago
- 2 to 3 years ago
- 3 to 5 years ago

18. During the most recent TB test, did this operation test its: (Check one)

432

- Entire herd?
- Specific farmed cervids only (Specify: <sup>1017</sup> \_\_\_\_\_)

19. When this operation's farmed cervids were last tested for TB, were they tested for the following purposes?

- a. Herd accreditation. ....
- b. Movement requirement. ....
- c. Show or exhibition requirement. ....
- d. State requirement. ....
- e. Veterinarian (nonregulatory, private practitioner) recommendation. ....
- f. Sale requirement. ....
- g. Other (Specify: <sup>1018</sup> \_\_\_\_\_).

433

- Yes
- No

434

- Yes
- No

435

- Yes
- No

436

- Yes
- No

437

- Yes
- No

438

- Yes
- No

439

- Yes
- No

### SECTION 7 - DISEASE TESTING PRACTICES

20. On July 1, 2014, was this operation's farmed cervid herd a Brucellosis-Free Herd, or in the process of becoming a Brucellosis-Free Herd? . . . . . 440 1  Yes 3  No

21. In the last 5 years, were any farmed cervids on this operation tested for brucellosis?  
 441 1  Yes - Continue 3  No - Go to Item 23

22. When this operation's farmed cervids were last tested for brucellosis, were they tested for the following purposes?

- a. Movement requirement. . . . . 442 1  Yes 3  No
- b. Show or exhibition requirement. . . . . 443 1  Yes 3  No
- c. Testing required for sale. . . . . 444 1  Yes 3  No
- d. Herd certification for Brucellosis-Free herd status. . . . . 445 1  Yes 3  No
- e. State requirement. . . . . 446 1  Yes 3  No
- f. Veterinarian (nonregulatory, private practitioner) recommendation. . . . . 447 1  Yes 3  No
- g. Other (Specify: <sup>1019</sup> \_\_\_\_\_). . . . . 448 1  Yes 3  No

23. How concerned are you with the following issues and challenges related to testing this operation's farmed cervids for diseases such as TB or brucellosis? (Check one box per row)

Issues and Challenges	Not concerned	Slightly concerned	Moderately concerned	Very concerned
a. Expense of test 449	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
b. Farmed cervid injuries or deaths from handling 450	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
c. Reliability of test, such as false positive test results 451	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
d. Amount of time to test 452	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
e. Lack of facilities to restrain farmed cervids for testing 453	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

24. In the last 5 years, has this operation had any farmed cervids that:

- a. Died as a direct result of handling for TB or brucellosis disease testing? . . . . . 454 1  Yes 3  No
- b. Were injured as a result of handling for TB or brucellosis disease testing? . . . . . 455 1  Yes 3  No

### SECTION 8 - OUTREACH

1. Do you belong to the following farmed cervid or wildlife associations?

- a. North American Elk Breeders Association. . . . . 456 1  Yes 3  No
- b. North American Deer Farmers Association. . . . . 457 1  Yes 3  No
- c. Reindeer Owners and Breeders Association. . . . . 458 1  Yes 3  No
- d. Exotic Wildlife Association. . . . . 459 1  Yes 3  No
- e. American Cervid Alliance. . . . . 460 1  Yes 3  No
- f. State or local association. . . . . 461 1  Yes 3  No
- g. Other (Specify: <sup>1020</sup> \_\_\_\_\_). . . . . 462 1  Yes 3  No

### SECTION 8 - OUTREACH

2. How important to you are the following farmed cervid health information sources? (Check one box per row)

Sources		Not important	Slightly important	Moderately important	Very important
a. Producer meetings	463	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
b. Other producers - individually	464	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
c. Internet	465	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
d. Magazines/newsletters	466	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
e. University extension	467	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
f. Veterinarians	468	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
g. Feed and drug salespeople	469	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
h. Other (Specify: <sup>1021</sup> _____)	470	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

**Minutes**

3. How many minutes did it take you to complete this survey?

471
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**COMMENTS:**

### SECTION 9 - CONCLUSION

**Survey results** can be found by accessing <http://www.aphis.usda.gov/nahms/>

Would you prefer to receive paper reports via the mail? ..... <sup>9990</sup> 1  Yes 3  No

Respondent Name: \_\_\_\_\_

9911	9910	MM	DD	YY
Phone:	Date:	__	__	__

This completes the survey. **Thank you for your help.**

### OFFICE USE ONLY

Response	Respondent	Mode	Enum.	Eval.	Change	Office Use for POID						
1-Comp	9901	1-Op/Mgr	9902	1-Mail	9903	9998	9900	9985	9989			
2-R		2-Sp		2-Tel					_____			
3-Inac		3-Acct/Bkpr		3-Face-to-Face								
4-Office Hold		4-Partner		4-CAT1								
5-R – Est		9-Oth		5-Web								
6-Inac – Est				6-e-mail								
7-Off Hold – Est				7-Fax								
				8-CAPI								
				19-Other								
S/E Name									Optional Use			
									9907	9908	9906	9916