

### **Other Information Sources on Biosecurity:**

- The APHIS fact sheet “Routine Biosecurity Measures for On-site Farm Visits or Other Livestock Concentration Points” ([www.aphis.usda.gov/oa/fmd/fmdbiose.html](http://www.aphis.usda.gov/oa/fmd/fmdbiose.html)).
- Institutions of higher education (e.g., Purdue University’s National Biosecurity Resource Center for Animal Health Emergencies; [www.biosecuritycenter.org](http://www.biosecuritycenter.org).)
- State agricultural extension services. Examples of available information include the Ohio State University Extension fact sheets entitled, “Biosecurity for Youth Livestock Exhibitors,” “Biosecurity Fundamentals for Extension Personnel,” “Disinfection in On-Farm Biosecurity Procedures,” and “On-Farm Biosecurity: Traffic Control and Sanitation” ([www.ohioline.osu.edu](http://www.ohioline.osu.edu)).
- The Web sites of the agricultural ministries or departments of other countries. Examples are seen in the Web sites of the United Kingdom’s Department for Environment, Food & Rural Affairs ([www.defra.gov.uk](http://www.defra.gov.uk)) (click on “Animal Health and Welfare” and then on “Biosecurity and Farm Visits”) and of the Canadian Food Inspection Agency ([www.inspection.gc.ca](http://www.inspection.gc.ca); click on “English,” “Foot and Mouth Disease,” and “Farm Biosecurity...A Common Sense Guide.”)

***Suggested APHIS Action Items:***

1. Prepare and distribute “barn cards” for lay employees. These are concise cards with clinical signs, reporting systems, and phone numbers.
2. Prepare, for distribution to the public, information addressing the concern of “what will happen if I report?”
3. Prepare information to distribute to private practitioners, including reportable clinical signs and reporting contact numbers.
4. Create alert posters for livestock markets, slaughterhouses, buying stations, and feed stores.
5. Prepare signs that can be posted at entrances to operations in case of red alerts.

## **Protecting Our Livestock and Poultry Industries**

U.S. Department of Agriculture, Animal and Plant Health Inspection Service,  
Veterinary Services  
March 2003

An outbreak of a foreign animal disease in the United States could seriously damage the domestic livestock and poultry industries. For example, eradication of a highly pathogenic avian influenza in the United States, following an outbreak in 1983-84, resulted in the destruction of more than 17 million birds and cost taxpayers nearly \$65 million.

Keeping these serious animal diseases out of the United States is the responsibility of the Animal and Plant Health Inspection Service's (APHIS) Veterinary Services (VS) unit. Within VS, the Emergency Programs (EP) staff provides expertise on exotic animal diseases, ensures adequate disease surveillance within the United States, maintains a high level of emergency preparedness, and provides the needed resources to respond to and eliminate disease outbreaks in the United States and its territories.

In order to effectively protect against such outbreaks, EP needs the help of veterinarians, livestock producers, and State and local governments

**IMMEDIATELY contact your Area Veterinarian in Charge or your State Veterinarian (contact information is attached), if you notice any of the following symptoms:**

### **Poultry**

Respiratory: sneezing, gasping for air, nasal discharge, coughing;  
Digestive: greenish, watery diarrhea;  
Nervous: depression, muscular tremors, drooping wings, twisting of head and neck, circling, paralysis;  
Partial to complete drop in egg production;  
Production of thin-shelled eggs;  
Swelling of the tissues around the eyes and in the neck;  
Sudden death;  
Increased death loss in a flock.

### **Ruminants**

Rising temperatures;  
Ruptured vesicles (either clear or cloudy fluid discharge);  
Sticky, foamy, stringy saliva;  
Reduced feed consumption (perhaps because of painful tongue and mouth lesions);  
Lameness with reluctance to move;  
Abortions;  
Abrupt drop in milk flow;  
Low conception rates.

## **Equine**

Fever;  
Muscle tremors;  
Respiratory distress;  
Convulsions;  
Sudden death.

## **Cervids (Deer/Elk)**

Weight loss;  
Behavioral changes;  
Listlessness;  
Lowering of head;  
Blank facial expression;  
Repetitive walking in set patterns.

## **Additional Information**

For additional fact sheets, brochures, and publications on biosecurity, please refer to the following websites:

[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahanthrax.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahanthrax.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahfmfair.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahfmfair.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahend.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahend.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahlpai.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahlpai.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahavianflu.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahavianflu.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahbse.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahbse.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahfmd.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahfmd.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahvs.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahvs.html)  
[http://www.aphis.usda.gov/lpa/pubs/fsheet\\_faq\\_notice/fs\\_ahcwd.html](http://www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahcwd.html)  
<http://www.aphis.usda.gov/oa/pubs/poultlea.pdf>  
<http://www.aphis.usda.gov/oa/pubs/gnposter.gif>  
<http://www.aphis.usda.gov/oa/pubs/hpds.gif>  
[http://www.aphis.usda.gov/vs/ceah/cahm/Dairy\\_Cattle/BAHMBiosecur.pdf](http://www.aphis.usda.gov/vs/ceah/cahm/Dairy_Cattle/BAHMBiosecur.pdf)  
[http://www.aphis.usda.gov/vs/ceah/cahm/Dairy\\_Cattle/BAHMDairy.pdf](http://www.aphis.usda.gov/vs/ceah/cahm/Dairy_Cattle/BAHMDairy.pdf)  
[http://www.aphis.usda.gov/vs/ceah/cahm/Dairy\\_Cattle/BAMNDair.pdf](http://www.aphis.usda.gov/vs/ceah/cahm/Dairy_Cattle/BAMNDair.pdf)

For more information on how to protect your livestock and poultry from dangerous foreign animal diseases, contact:

U.S. Department of Agriculture  
APHIS, VS, National Animal Health Programs  
4700 River Road, Unit 33  
Riverdale, MD 20737-1231  
Telephone (301) 734-8093, Fax (301) 734-8818, or visit our Web site at  
<http://www.aphis.usda.gov/vs>

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## STATE VETERINARIANS

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| <p><b>Dr. Richard D. Willer, Arizona State Veterinarian</b><br/>Office Telephone No: 602/542-4293<br/>Fax No: 602/542-4290</p>                          | <p><b>Dr. Wayne E. Cunningham, Colorado State Veterinarian</b><br/>Office Telephone No: 303/239-4161<br/>Fax No: 303/239-4164</p>                               |
| <p><b>Dr. Richard E. Breitmeyer, California State Veterinarian</b><br/>Office Telephone No: 916/654-0881<br/>Fax No: 916/653-4249</p>                   | <p><b>Dr. H. Wesley Towers, Jr., Delaware State Veterinarian</b><br/>Office Telephone No: 302/739-4811<br/>Fax No: 302/697-4451</p>                             |
| <p><b>Dr. Mary Lis, Connecticut State Veterinarian</b><br/>Office Telephone No: 860/713-2505<br/>Fax No: 860/713-2515</p>                               | <p><b>Dr. Lee M. Myers, Georgia State Veterinarian/Assistant Commissioner of Animal Ind.</b><br/>Office Telephone No: 404/656-3671<br/>Fax No: 404/657-1357</p> |
| <p><b>Dr. Jim Foppoli, Hawaii State Veterinarian &amp; Division Administrator</b><br/>Office Telephone No: 808/483-7111<br/>Fax Number 808/483-7110</p> | <p><b>Dr. Dan Crowell, Acting Idaho State Veterinarian</b><br/>Office Telephone No: 208/332-8540<br/>Fax No: 208/334-4062</p>                                   |
| <p><b>Dr. Richard D. Hull, Illinois State Veterinarian</b><br/>Office Telephone No: 217/782-4944<br/>Fax No: 217/524-7702</p>                           | <p><b>Dr. Bret D. Marsh, Indiana State Veterinarian</b><br/>Office Telephone No: 317/227-0300<br/>Fax No: 317/227-0330</p>                                      |
| <p><b>Dr. John Schiltz, Iowa State Veterinarian</b><br/>Office Telephone No: 515/281-5305<br/>Fax No: 515/281-4282</p>                                  | <p><b>Mr. George Teagarden, Kansas State Veterinarian</b><br/>Office Telephone No: 785/296-2326<br/>Fax No: 785/296-1765</p>                                    |

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| <p><b>Dr. David M. Sherman, Massachusetts State Veterinarian</b><br/> <b>Office Telephone No: 617/626-1790</b><br/> <b>Fax No: 617/626-1850</b></p> <p><b>Dr. Taylor Woods, Missouri State Veterinarian</b><br/> <b>Office Telephone No: 573/751-3377</b><br/> <b>Fax No: 573/751-6919</b></p> <p><b>Dr. Larry L. Williams, Nebraska State Veterinarian</b><br/> <b>Office Telephone No: 402/471-2351</b><br/> <b>Fax No: 402/471-3252</b></p> <p><b>Dr. Clifford W. McGinnis, New Hampshire State Veterinarian</b><br/> <b>Office Telephone No: 603/271-2404</b><br/> <b>Fax No: 603/271-1109</b></p> <p><b>Dr. Steven R. England, New Mexico State Veterinarian</b></p> | <p><b>Dr. James A. Watson, Mississippi State Veterinarian</b><br/> <b>Office Telephone No: 601/359-1170</b><br/> <b>Fax No: 601/359-1177</b></p> <p><b>Dr. Arnold A. Gertonson, Montana State Veterinarian</b><br/> <b>Office Telephone No: 406/444-2043</b><br/> <b>Fax No: 406/444-1929</b></p> <p><b>Dr. David Thain, Nevada State Veterinarian</b><br/> <b>Office Telephone No: 775/688-1180</b><br/> <b>Fax No: 775/688-1178</b></p> <p><b>Dr. Nancy Halpern, New Jersey State Veterinarian</b><br/> <b>Office Telephone No: 609/292-3965</b><br/> <b>Fax No: 609/777-8395</b></p> |

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**Dr. John E. Enck, Jr., Pennsylvania State**  
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**Fax No: 717/787-2387**

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| <p><b>Dr. Sam D. Holland, South Dakota State Veterinarian</b><br/> <b>Office Telephone No: 605/773-3321</b><br/> <b>Fax No: 605/773-5459</b></p>                | <p><b>Dr. Ronald B. Wilson, Tennessee State Veterinarian</b><br/> <b>Office Telephone No: 615/837-5120</b><br/> <b>Fax No: 615/837-5335</b></p>    |
| <p><b>Dr. Bob Hillman, Executive Director and Texas State Veterinarian</b><br/> <b>Office Telephone No: 512/719-0700</b><br/> <b>Fax No: 512/719-0719</b></p>   | <p><b>Dr. Michael R. Marshall, Utah State Veterinarian</b><br/> <b>Office Telephone No: 801/538-7160</b><br/> <b>Fax No: 801/538-7169</b></p>      |
| <p><b>Vacant, Vermont State Veterinarian</b><br/> <b>Office Telephone No: 802/828-2421</b><br/> <b>Fax No: 802/828-5983</b></p>                                 | <p><b>Dr. William M. Sims, Jr., Virginia State Veterinarian</b><br/> <b>Office Telephone No: 804/786-2481</b><br/> <b>Fax No: 804/371-2380</b></p> |
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| <p><b>Dr. Robert Ehlenfeldt, Acting Wisconsin State Veterinarian</b><br/> <b>Office Telephone No: 608/224-4872</b><br/> <b>Fax No: 608/224-4871</b></p>         | <p><b>Dr. Jim Logan, Wyoming State Veterinarian</b><br/> <b>Office Telephone No: 307/777-6443</b><br/> <b>Fax No: 307/777-6561</b></p>             |

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| Grandville        | Richey           | <b>California / LA</b>                  | Asst. AVIC   | <b>310-725-1970</b>         | <b>310-725-9119</b> |
| Jerry             | Diemer           | <b>Colorado</b>                         | AVIC         | <b>303-231-5385</b>         | <b>303-231-5390</b> |
| Cynthia           | Gaborick         | <b>Idaho</b>                            | AVIC         | <b>208-378-5631</b>         | <b>208-378-5637</b> |
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| Wilbert           | Clark            | <b>Montana</b>                          | AVIC         | <b>406-449-5407</b>         | <b>406-449-5439</b> |
| Kathleen          | Akin             | <b>Nebraska</b>                         | AVIC         | <b>402-434-2300</b>         | <b>402-434-2330</b> |
| Michael           | Greenlee         | <b>New Mexico</b>                       | AVIC         | <b>505-761-3160</b>         | <b>505-761-3176</b> |
| Larry             | White            | <b>North Dakota</b>                     | AVIC         | <b>701-250-4210/11</b>      | <b>701-250-4471</b> |
| Brian             | Espe             | <b>Oklahoma</b>                         | AVIC         | <b>405-427-9413</b>         | <b>405-427-9451</b> |
| Don               | Herriott         | <b>Oregon</b>                           | AVIC         | <b>503-399-5871</b>         | <b>503-399-5607</b> |
| Lynn              | Tesar            | <b>South Dakota</b>                     | AVIC         | <b>605-224-6186/87</b>      | <b>605-224-8451</b> |
| Richard           | Ferris           | <b>Texas</b>                            | AVIC         | <b>512-916-5551 thru 57</b> | <b>512-916-5197</b> |
| Robert            | DeCarolis        | <b>Utah</b>                             | AVIC         | <b>801-524-5010</b>         | <b>801-524-6898</b> |
| Linda             | Carpenter        | <b>Washington<br/>Alaska<br/>Hawaii</b> | Acting AVIC  | <b>360-753-9430</b>         | <b>360-753-9585</b> |
| Bret              | Combs            | <b>Wyoming</b>                          | AVIC         | <b>307-772-2186</b>         | <b>307-772-2592</b> |

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|-------------------|------------------|----------------|--------------|---------------------|---------------------|
| Owen              | Hester           | <b>Alabama</b> | AVIC         | <b>334-223-7141</b> | <b>334-223-7352</b> |
| Robert            | Southall         | <b>Florida</b> | AVIC         | <b>352-333-3120</b> | <b>352-333-6849</b> |