

Contents

Chapter 1: Significant Animal Health Events in 2008.	1
Bovine Tuberculosis.	1
Malignant Catarrhal Fever	1
Cattle Fever Tick	2
Equine Piroplasmosis	4
Serosurvey to Determine Prevalence	4
Equine Herpesvirus Myeloencephalopathy	5
Contagious Equine Metritis	5
Bluetongue and Epizootic Hemorrhagic Disease	6
Methicillin-Resistant <i>Staphylococcus aureus</i>	7
Chapter 2: Prevention and Preparedness	9
Trade Imports and Exports	9
Imports	9
Exports.	10
National Veterinary Accreditation Program	11
2008 National Veterinary Accreditation Program Highlights	12
Emergency Planning and Preparedness	12
2008 National Center for Animal Health Emergency Management Highlights.	12
Response Planning Update	13
National Veterinary Stockpile.	13
2008 National Veterinary Stockpile Highlights.	13
National Response Preparedness Exercises	13
Surge Capacity During an Animal Health Emergency.	14
Depopulation, Disposal, and Decontamination Collaboration	14
Information Technology Roadmap	14
Chapter 3: Detection and Early Response	17
The National Animal Health Surveillance System	17
2008 NAHSS Highlights	18
Foreign Animal Disease Surveillance and Investigations	19
APHIS Surveillance Activities in 2008	19
Avian Influenza Surveillance	19
Bovine Spongiform Encephalopathy Surveillance	21
Classical Swine Fever Surveillance.	22

Equine Arboviral Web Reporting	22
Swine Influenza Virus Surveillance	23
National Animal Health Laboratory Network Update	23
Revisions to VS Memorandum 580.4	24
2008 National Animal Health Laboratory Network Highlights	24
National Animal Health Reporting System	25
2008 National Animal Health Reporting System Highlights	26
National Bio- and Agro-Defense Facility	26
 Chapter 4: Animal Disease Eradication, Control, and Certification	 29
Eradication Programs	29
Scrapie in Sheep and Goats	29
Tuberculosis in Cattle and Cervids	31
Pseudorabies in Swine	33
Brucellosis in Swine	34
Brucellosis in Cattle and Bison	35
Control, Certification, and Other Programs	37
Chronic Wasting Disease in Cervids	37
Johne's Disease in Cattle	38
Trichinae in Swine	39
Swine Health Protection Inspection Program	40
Infectious Salmon Anemia Virus	41
Viral Hemorrhagic Septicemia	41
Equine Infectious Anemia	42
 Chapter 5: Monitoring and Surveillance for Animal Diseases	 47
National Animal Health Monitoring System Studies	47
Beef 2007–08	47
Goat 2009	48
Vaccination Practices	48
Beef Cow–Calf	49
Beef Feedlot	50
Dairy Cattle	50
Equids	50
Poultry	51
Sheep	52
Swine	53
Summary	54

Chapter 6: Overview of U.S. Livestock, Poultry, and Aquaculture Production in 2008	57
Available Statistics.	57
Number of Farms	57
Relative Magnitude of Industries, by Value of Production	58
Introduction to the Livestock, Poultry, and Aquaculture Industries	59
Cattle and Calves (Beef and Dairy)	60
Milk Cows—Dairy	61
Beef Cows	62
Cattle on Feed	62
Hogs	63
Sheep and Goats	64
Poultry Industries	66
Equine Industry	68
Fish and Other Aquaculture Products	68
Honey Production	68
Miscellaneous.	69
Number of Livestock Slaughter Plants in the United States.	69
Chapter 7: The Changing Veterinary Health Mission	71
VS 2015: The Vision for VS	71
Increased Focus on Disease Prevention, Preparedness, Detection, and Early Response.	71
Expanded Interstate and International Certification Services.	72
The Public Health–Animal Health Interface	72
Appendix 1: Statistics on Major Commodities.	77
Appendix 2: Diseases in the United States Reportable to the World Organization for Animal Health (OIE).	88
Appendix 3: Animal Health Contacts in the United States	93
Appendix 4: Acronyms and Abbreviations.	94