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## South Dakota Animal Disease Research And Diagnostic Laboratory Poultry Disease Investigations

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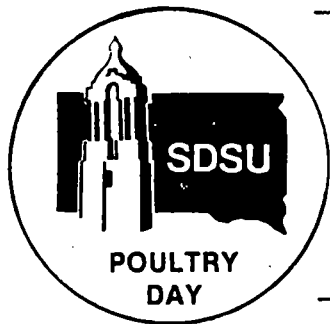
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SOUTH DAKOTA ANIMAL DISEASE  
RESEARCH AND DIAGNOSTIC LABORATORY  
POULTRY DISEASE INVESTIGATIONS

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POULTRY 85-5

The South Dakota poultry industry may not be relatively large, and disease problems are minimal due to excellent preventative health programs available to the industry. The Animal Disease Research and Diagnostic Laboratory does provide a full service support system. Following is a list of diagnoses made from case submissions. The basic overall conclusion is that no serious epidemic disease processes occurred. Environmental house management is very important in controlling some infectious diseases of turkeys.

<u>Body as a Whole</u>	<u>Chicken</u>	<u>Turkey</u>	<u>Other</u>
Abscess			1 pheasant
Adenovirus Infection		2	
Amyloidosis	1		2 geese
Botulism			1 duck
Cannibalism	19	1	1 pheasant
Dehydration	9	2	
Emaciation	34		1 pheasant
Gout	4		
Health Evaluation, Normal		79	1 duck, 1 pheasant
Neoplasm	10		
Obesity	11		
Parasitism, Histomonas	1	2	
Peritonitis	31	1	
Septicemia, Erysipelothrix	1	1	
Septicemia, E. coli	2	27	1 pheasant
Septicemia, Pasteurella multocida		5	2 geese, 1 pheasant
Septicemia, Salmonella		50	1 goose, 1 pheasant
Septicemia, Staphylococcus	5	1	
Septicemia, Staphylococcus aureus	1	16	
Septicemia, Streptococcus	3		
Starvation		4	1 duck, 1 pheasant
Sudden Death, Idiopathic			2 duck, 2 pheasant
Toxicosis, Lead			2 geese
Trauma	4	1	1 duck
Tuberculosis	3		
<u>Musculoskeletal</u>			
Arthritis		14	

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Head of Department, Director, Diagnostic Laboratory

	<u>Chicken</u>	<u>Turkey</u>	<u>Other</u>
<u>Arthritis, Staphylococcus aureus</u>	1		1 duck
Foot-Abnormal	3		
Osteodystrophy	6	9	
Osteomyelitis		1	
Synovitis	1	1	
<u>Respiratory</u>			
Airsacculitis Complex	2	13	1 duck, 2 geese
Aspergillosis		11	1 goose
Coryza (Acaligenes faecalis)	1		1 goose
Infectious Bronchitis	1		
Lung-Pneumonia	3	1	
Lung-Pneumonia, Broncho			1 duck
Lung-Pneumonia, Pasteurella hemolytica			1 goose
Lung-Pneumonia, Pasteurella multocida		2	
Respiratory Infection, Idiopathic		1	
Respiratory Infection, Staphylococcus aureus	1		
Sinusitis		1	
<u>Cardiovascular</u>			
Aortic Rupture	1	12	
Pericarditis	3		
Round Heart Disease		1	
<u>Hemic and Lymphatic</u>			
Anemia, Aplastic	1		
Hemoprotozoan sp.			1 goose
Hemorrhage, Generalized	8		
Infectious Bursal Disease	1		
Neoplasm, Lymphoid Leukosis	140	1	
Neoplasm, Marek's Disease, Generalized	1		
<u>Digestive</u>			
Cloaca-Prolapse	2		
Crop-Mycosis		1	
Gizzard-Impaction	1		
Intestine-Enteritis, Coccidia	9		
Intestine-Enteritis, Enterovirus		2	
Intestine-Enteritis, E. coli		1	
Intestine-Enteritis, Idiopathic	3	10	
Intestine-Enteritis, Necrotic			1 goose
Intestine-Enteritis, Rotavirus		5	
Intestine-Enteritis, Salmonella		3	
Intestine-Impaction			1 goose
Intestine-Parasitism, Acanthocephalus			1 goose

	<u>Chicken</u>	<u>Turkey</u>	<u>Other</u>
Intestine-Parasitism, Coccidia		24	1 goose, 3 pheasant
Intestine-Parasitism, Hexamita		1	
Liver-Granuloma, E. coli	1		
Liver-Hepatitis	8	2	3 duck, 2 geese, 1 pheasant
Liver-Hepatosiis		1	
Liver-Lipidosis	6	1	
Liver-Neoplasm	1		
Parvovirus	1		
<u>Urogenital</u>			
Blow-out	5		
Egg Production Decreased	3		
Internal Layer	10		
Kidney-Cyst (Polycystic)	1		
Kidney-Neoplasm	1		
Ovary-Neoplasm	1		
Ovary-Neoplasm, Ovaritis	1		
Oviduct-Cyst	1		
Oviduct-Impaction	4		
Oviduct-Rupture	1		
<u>Nervous</u>			
Encephalitis, Non- suppurative	6		
Encephalitis, Nutritional		2	
Encephalomalacia	1		
Marek's Disease, Neural	1		
Meningitis			1 goose
Meningitis, Suppurative			1 duck
Neurological Disorder	2	1	
<u>Special Senses</u>			
Eye-Conjunctivitis	1		