



Common Animal Diseases

Animal	Disease	Vaccine?	Symptoms	How they contract it	Zoonotic?
Cattle, Goats	Tuberculosis	N	Some asymptomatic; weight loss, weakness, fever, coughing	Direct contact; contaminated feed, water, milk, feces, mucus	Possibly
Cattle, Horses, Swine, Sheep, Goats	Brucellosis	Y	Abortion, less milk production, lower fertility, retained afterbirth, weak calves	Direct contact; contaminated environment, urine, milk, blood, semen, or birth tissues and fluids	Y
Cattle	Bovine Spongiform Encephalopathy (BSE)	N	Change in temperament, abnormal posture, incoordination, loss of body condition, death	Not fully known – prion related	No evidence
Cattle, Sheep	Bluetongue	Y	Edema, congestion, hemorrhage, inflammation, necrosis of infected tissue; listless, lameness, depression, abnormal wool growth	Biting midges	N
Cattle	Blackleg	Y	Sudden death, lameness, swollen muscles, depression, fever, inability to stand	Bacteria in the soil enter through the mouth or open wounds	N
Cattle	Calf Enteritis (Scours)	Y – through dam's milk	Diarrhea, sudden death, weight loss, state of shock	Contaminated environment (barn/buckets)	N
Cattle	Anaplasmosis	Y	Fever, anemia, weight loss, breathlessness, jaundice, incoordination, abortion, death	Tick bites	Y



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Cattle	Bovine Leukemia	N	Most asymptomatic, less than 5% develop lymphosarcoma – lymph node enlargement, labored breathing, bloat, increased heart rate, weight loss, lowered milk production, brisket edema, fever, loss of appetite, infertility	Blood to blood	N
Cattle, Swine, Sheep, Goats	Foot and Mouth Disease	Y	Fever, excessive salivation, lameness, blisters, loss of appetite, abortions, low milk production, possibly death	Infected saliva, urine, excrement, and even breathing; contaminated feed, water, and environment	N
Cattle, Sheep, Goats	Foot Rot	Y – effective 60-80% of the time	Lameness, loss of appetite, fever, depression, possibly death	Bacteria and fungus in the environment, broken skin	N
Cattle	Keratoconjunctivitis (Pinkeye)	Y	Pinkish colored eye, clouded cornea, tears, may result in blindness, ocular discharge	Insects, direct contact, dust	Y – some strains
Cattle	Trichomoniasis	N	Early embryonic death, infertility, abortion, irregular cycles, uterine infection, discharge from reproductive tract	Venereally under natural breeding conditions, infected semen when Aling cows	N



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Cattle, Horses, Swine (occasionally sheep and goats)	Vesicular Stomatitis (VS)	N – experimental vaccines, good biosecurity	Blister-like lesions in the mouth, on the nose, on hooves, and on teats; lameness, loss of appetite, fever, drooling	Insects (flies), direct contact	Y – but rare
Cattle, Sheep, Goats	Johne's Disease	N	Weight loss and diarrhea with normal appetite, intermandibular edema	In utero, infected milk	Y
Cattle, Sheep, Goats	Anthrax	Y	Sudden death; blood oozing from mouth, nose, and anus	Oral ingestion of contaminated soil, inhale contaminated dust, biting flies, tick bites, re-used needles from infected animal, direct contact	Y
Cattle	Cryptosporidiosis	N – some vaccines are possible candidates	Diarrhea	Infected feed and water	Y
Cattle, Horses, Sheep, Goats	Dermatophilosis (Rain Rot)	N	Thick scabs, hair loss, sore skin	Direct contact, biting insects, wet conditions	Y – but rare
Cattle	Escherichia coli	N	Bloody diarrhea in calves; asymptomatic in adult cattle	Contaminated feed and water	Y



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Cattle, Horses, Swine, Sheep, Goats	Leptospirosis	Y	Abortion, weak offspring, may be asymptomatic, anemia, jaundice	Contaminated urine, water, and soil	Y
Cattle, Sheep, Goats	Listeriosis	N	Circling, incoordination, inability to chew and swallow, abortion, facial paralysis, depression, excessive salivation, disorientation	Contaminated silage, soil, urine, feces, nasal discharge, and milk	Y
Cattle	Bovine Respiratory Disease (Shipping Fever)	Y	Fever, depression, drooping ears, nasal discharge, watery eyes, loss of appetite, diarrhea, weight loss, difficulty breathing, coughing, possibly death	Stress – extreme temperatures, moving cattle to feedlots, hunger, fright, rough handling – allow bacteria to attack respiratory system	N
Cattle	Pseudocowpox (Milker's Nodule)	N	Small raised sores and scabs on teats and udders	Direct contact from cattle and milking equipment	Y
Cattle, Sheep, Goats	Q Fever	Y – but not in America	Abortion, lesions, anorexia	Contaminated reproductive fluids and tissues, milk, urine, and feces	Y
Cattle, Horses, Swine, Sheep, Goats	Rabies	Y	Behavior changes, excessive vocalization, difficulty swallowing, drooling, paralysis, death	Infected saliva, open wounds, mucous membranes	Y



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Cattle, Horses, Swine, Sheep, Goats, Poultry	Ringworm	N	Round, scaly patches of hairless skin	Direct contact	Y
Cattle	Salmonellosis	N	Diarrhea, dehydration	Contaminated feed, water, and environment	Y
Cattle, Sheep, Goats	Enterotoxemia Type D (Overeating Disease)	Y – prior to high concentrate diet	Lameness, bloody diarrhea, bloat, possibly death	High concentrate diet	N
Horses	Equine Encephalitis (Eastern, EEE; Western, WEE; Venezuelan, VEE)	Y	Fever, depression, behavior changes, circling, muscle twitches, impaired vision, inability to swallow, paralysis, convulsions, death	Infected mosquitoes	Y
Horses	Equine Herpes Virus (EHV-1 -3 and -4)	Y	Fever, difficulty urinating, nasal discharge, depression, head tilt, stumbling, weakness in hind limbs, unable to stand	EHV-1 and -4 nose to nose contact, contaminated equipment, respiratory secretions; EHV-3 venereal transmission, contaminated breeding equipment	N



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Horses	Equine Infectious Anemia (EIA or Swamp Fever)	N – Coggins Test	Jaundice, rapid breathing, rapid heart rate, swelling of limbs, bleeding from the nose, bloody feces	Blood feeding flies, re-used needles from infected horses, blood transfusions, contaminated medical equipment, in utero	N
Horses	Equine Viral Arteritis (EVA)	Y	Fever, depression, anorexia, limb/mammary/scrotum edema, hives, conjunctivitis, abortions, stillbirths, decreased fertility	Respiratory secretions, natural and AI breeding, semen	N
Horses	West Nile Virus (WNV)	Y	Fever, incoordination, hind limb weakness, depression, muscle tremors, inability to swallow, excessive sweating, behavior changes, inability to stand, head pressing	Infected mosquitoes	Y
Horses	Equine Influenza	Y	Fever, coughing, dry hacking, depression, muscle weakness, nasal discharge, loss of appetite	Direct contact, respiratory secretions; indirect spread from infected clothing, equipment, water buckets, brushes, etc.	N
Horses	Strangles (Distemper)	Y	Nasal discharge, swollen throat glands, pus drainage	Respiratory discharge; indirect from water buckets, tack, feed, clothing, equipment, and people	Y – reported but not common



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Horses	Equine Protozoal Myeloencephalitis (EPM)	N	Incoordination, muscle weakness, lameness	Contaminated feed	N
Horses	Rotavirus A (for foals)	Y – through dam’s milk	Severe diarrhea, possible death	Contact with contaminated objects, animals, or people	Y
Cattle, Horses	Pigeon Fever (Dryland Strangles)	N	Pus drainage, deep sores, or abscesses along midline; swollen chest	Open wounds, broken skin, mucous membranes, flies	Y
Cattle, Horses	Piroplasmiasis	N	Weakness, loss of appetite, weight loss, fever, anemia, jaundice, swollen abdomen, reddish urine, labored breathing, colic, sudden death	Tick bites, re-used needles from infected animals, contaminated medical equipment, in utero	N
Swine	Classical Swine Fever	Y – require USDA approval to use	Fever, huddling, constipation, diarrhea, hemorrhages, incoordination, weakness, abortion, stillbirths	Mucous membranes, skin abrasions, contaminated environment and feed	N
Swine	Edema Disease	Y	Ataxia, anorexia, depression, death, abnormal squeals	Contaminated environment	N
Swine	Swine Dysentery (Bloody Dysentery)	N	Diarrhea, excess mucus secretions, sunken eyes, depression, erratic appetite, sudden death	Direct contact, infected sows can give it to piglets in-utero, possibly infected mice	N
Swine	Mycoplasma	Y	Arthritis, pneumonia, coughing, decreased growth	Direct contact, coughing	N



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Swine	Porcine Pleuropneumonia (formally HPP)	Possibly – still testing vaccines	Death, nasal discharge, fever, coughing, reduced growth rates	Direct contact, coughing, in-utero	N
Cattle, Swine, Sheep, Goats	Pseudorabies (PRV)	N – biosecurity	Abortions, stillbirths, incoordination, coughing, sneezing, fever, mummified piglets	Direct contact with mouth or nose, contaminated breeding equipment	N
Swine	Porcine Parvovirus (PPV)	Y – sows	Abortions, stillbirths, infertility	Nasal discharge, from coughing or sneezing	N
Swine	African Swine Fever	N	High fever, decreased appetite, weakness, death, blotchy lesions, diarrhea, abortion, nasal discharge, coughing, difficulty breathing	Contaminated feed and environment	N
Swine	Influenza A Virus (IAV-S)	Y	Fever, coughing, loss of appetite, sneezing, nasal discharge, difficulty breathing	Close contact, coughing, sneezing, contaminated objects	Y
Swine	Actinobacillus Pleuropneumonia (APP)	Y	Sudden death, labored breathing, fever, depression, reluctance to move	Direct contact, coughing, in-utero	N
Swine	Porcine Epidemic Diarrhea Virus (PEDv)	N	Diarrhea, dehydration, death	Direct contact with infected swine, feed, equipment, or people	N
Swine	Anemia	Y – newborns, routinely	Pale skin, dry mucous membranes, labored breathing, rapid breathing, uneven growth	Iron deficiency	N



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Swine	Exudative Epidermitis (Greasy Pig Disease)	Y – prepared on a per farm basis	Brown debris on the skin of head and neck, dehydration, film of grease over the skin	Direct contact	N
Swine	Haemophilus Parasuis (Glasser's Disease)	Y	Fever, panting, coughing, convulsions, tremors, sudden death, incoordination, swollen joints, depression	Direct contact, air droplets	N
Swine	Porcine Reproductive and Respiratory Syndrome (PRRS)	Y	Abortion, stillbirths, mummified fetuses, poor conception rates	Close contact	Y – only if direct contact with blood
Swine	Streptococcus Suis	Y	Nasal discharge, seizures, swollen joints and limbs, breathing difficulty	Picked up during farrowing	Y
Sheep, Goats	Enterotoxemia Type C (Bloody Scours)	Y	Ulcers in small intestine, bloody diarrhea, possibly death	Contaminated environment (barn/buckets)	N
Sheep, Goats	Tetanus (Lockjaw)	Y	Rigid, muscle spasms, death	Bacteria enters through broken skin	Y
Sheep, Goats	Soremouth (Contagious Ecthyma)	Y	Scabs/blisters on lips, nose, udders, teats, and the junction of the hoof and skin; loss of body condition, decreased growth rates, death, mastitis	Virus enters through broken skin; direct contact; contaminated feed, equipment, and bedding;	Y



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Sheep, Goats	Pneumonia	N	Fever, painful cough, difficulty breathing, depression	Poor ventilation, dust, environment that irritates the lungs	Y
Sheep, Goats	Caseous Lymphadenitis (CL)	Y – controversial	Abscesses in the lymph nodes and internal organs, weight loss, decreased wool growth, lowered milk production, reproductive problems, possible death, fever	Bacteria enter through abscess, direct contact, contaminated equipment and environment	Y – potentially through raw milk
Sheep, Goats	Polioencephalomalacia	N	Incoordination, weakness, tremors, blindness, depression, sudden death, muscle seizures	Thiamine deficiency	N
Goats	Caprine Arthritis and Encephalitis (CAE)	N	Swollen joints, pneumonia	Contaminated milk	N
Poultry	Virulent Newcastle Disease (vND)	Y	Sudden death, sneezing, gasping for air, nasal discharge, coughing, diarrhea, decrease activity, swelling around the eyes and neck	Contaminated feces, egg crates, farm equipment, clothing, shoes, hands	N – from eating products Y – very rare from working with infected birds



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Poultry	Avian Influenza (AI)	Y – not for preventing infection in birds but reducing the risk of passing it to humans	Sudden death, lack of appetite, decreased egg production, nasal discharge, coughing, sneezing, incoordination, diarrhea; purple discoloration of legs, combs, and wattles; swelling of head, comb, eyelids, wattles, and hocks	Direct contact	Y
Poultry	Marek's Disease	Y	Tumors, paralysis, pupil color change, irregular pupils	Contaminated dust, litter, and soil	N
Poultry	Infectious Bronchitis	Y	Egg shell abnormalities, reduced growth	Damaged respiratory tract from dust	N
Poultry	Fowl Pox	Y	Lesions in the mouth and trachea, death from suffocation	Contact between lesions and open wounds	N
Poultry	Fowl Cholera	Y	Sudden death, loss of appetite, weight loss, lameness, lesions	Contaminated feces, water, soil, and equipment	N
Poultry	Necrotic Enteritis (Rot Gut)	N – but penicillin in feed may help prevent it	Depression, death, reduced growth, lesions	Oral contact	N
Poultry	Fowl Typhoid	N	Listlessness, diarrhea, loss of appetite, anemic appearance	Infected hen to egg, chick to chick, infected houses and incubators	N
Poultry – Chickens Only	Lymphoid Leukosis	Y	Tumors, paralysis, pupil color change, irregular pupils	Contaminated feces or vaccines	N