

| Parasite | Definitive Host / Location | Transmission | Pathology | Treatment / control | Diagnosis | Notes |
|--|---|---|--|---|---|--|
| <i>Ornithonyssus sylviarum</i> Northern Fowl Mite Mesostigmatid | Poultry On skin all the time | Direct contact other birds & fomites | Blood loss Irritation → Decreased production | Treat birds and environments | Observe mites on bird, especially around vent | Attacks other hosts, temporarily, but cannot reproduce on other hosts |
| <i>Dermanyssus gallinae</i> Roost mite or Red mite Mesostigmatid | Poultry On skin only at night. Hiding during day | Direct contact environ. & fomites | Blood loss Irritation → Decreased production | Treat birds and environment | Observe mites in environment | During the day: check poultry house cracks / crevices, roosts, nests. |
| <i>Sarcoptes scabiei</i> Scabies Mite Astigmatid | Dog & Pig Tunnels in Dermis (various other hosts, with own subspecies) | Direct contact Host to host | Scabies mange Mites / Tunnels in Skin Skin lesions, alopecia Secondary infection, irritation, self-trauma | Various Topicals, Subcutaneous Ivermectin (swine - in-feed ivermectin) | Deep Skin Scrape | Temporarily zoonotic from dogs to humans #1 arthropod parasite of confinement swine - intense scratching → decreased productivity, self-trauma & destroy pens/equipment |
| <i>Notoedres cati</i> Cat Mange Mite Astigmatid | Cat Tunnels in Dermis Mainly head, face, ears, ear margins, paws | Direct contact Host to host | Mites / Tunnels in Skin Skin lesions, Alopecia Secondary infection, irritation, self-trauma | Topicals: Ivermectin, Selamectin, Fipronil | Deep skin Scrape | Temporarily zoonotic from cats to humans |
| <i>Otodectes cynotis</i> Ear Mite Astigmatid | Cats, dogs, Rabbits External Ear canal | Direct contact Host to host | Mites cause irritation of ear canal & ear drum, Self-trauma | Topicals, Subcutaneous Ivermectin, Otic Suspensions | Ear Swab, Otoscope | Temporarily zoonotic from cats to human |
| <i>Demodex canis</i> Follicle Mite Demodectic mange, Red mange Prostigmatid | Dogs Hair follicles & sebaceous glands (Other hosts have their own species) | Direct contact Host to host (especially mom to nursing pups) | Often no pathology Localized demodectic Generalized demodectic. Skin Lesions, Alopecia, Secondary infection, self-trauma | Baths, Dips, Topicals & Systemics | Hair Pluck, Skin Scrape, Biopsy | Generalized Demodectic is of major concern --- Risk factors -- Stress, Immunosuppression, Malnutrition, Genetics --- Don't breed affected dogs |

Mite Table