

BIOSECURITY BEST PRACTICES FOR POULTRY RED MITE CONTROL



IMPLEMENT THESE GUIDELINES IN YOUR OPERATION TO HELP PREVENT AND CONTROL POULTRY RED MITE INFESTATIONS.

1 ENVIRONMENT

- ▶ Install perimeter fence and controlled access at all entrances
- ▶ Ensure that house surroundings are clean and with hard pavement
- ▶ Place restrictions to the visitor entrance
- ▶ Clean and disinfect vehicles on entering the farm
- ▶ Install correct aviary mesh
- ▶ Maintain main entrances
- ▶ Maintain fan openings
- ▶ Install correct walls and roof

2 MATERIAL/EQUIPMENT

- ▶ Clean and empty warehouse
- ▶ Maintain foot baths at the barn entrance
- ▶ Purchase specific equipment and tools for each barn
- ▶ Clean hen cages weekly
- ▶ Maintain egg conveyor belts and cross-belts
- ▶ Clean egg conveyor belts and cross-belts periodically
- ▶ Maintain manure conveyor belts
- ▶ Clean manure conveyor belts periodically
- ▶ Clean feeding system periodically
- ▶ Remove unnecessary equipment and tools from house

3 REARED HENS

- ▶ Check birds for presence of poultry red mites before placement in the barn
- ▶ Implement control measure in the rearing house for red mites (if hens are reared in the same farm)
- ▶ Check containers and crates for presence of red mites
- ▶ Clean containers and crates after use
- ▶ Implement monitoring protocol for red mites

4 REMOVAL OF CADAVERS

- ▶ Remove cadavers twice daily
- ▶ Implement adequate removal system
- ▶ Maintain wheel barrow (if in use)
- ▶ Allocate cadaver dump in a proper location (not alongside the house)
- ▶ Clean and disinfect cadaver dump to avoid poultry red mite spread

5 VISITORS AND PERSONNEL CONTROL

- ▶ Install dressing room with hygienic barrier
- ▶ Enforce mandatory showers to get into the farm
- ▶ Require separate outer clothing per each barn
- ▶ Instruct hen collection teams to fulfill entrance requirements

6 CLEANING, DISINFECTION, PESTS AND VERMIN CONTROL

- ▶ Enforce periodic depopulation of the farm (e.g., every 4-5 years)
- ▶ Implement cleaning + disinfection + depopulation protocol
- ▶ Evaluate cleaning + disinfection + depopulation efficacy
- ▶ Hire professional pests/vermin control