

**Fly monitoring**

**1 Fly breeding areas – manure**

- Maternity stall bedding
- Calf pens and calf hutches
- Pens for sick animals
- In and under (wet) bedding in pens
- In pit under slotted floors
- Corners and edges of pens
- Accumulated manure under caged birds
- Accumulated manure under slats
- Under bedding of broiler houses
- Corners and edges of stalls
- Around manure piles/heaps and loading areas for spreaders
- Residues of manure left by scrapers
- Debris and floating solids in lagoons

**2 Fly breeding/feeding areas – feed**

- Moist spilled feed around feed bins, feeding belts, troughs etc.
- Under railings and feeders
- Feed storage facilities
- Margins of feed bunkers/heaps/feed manger
- Margins of silage piles, horizontal silage silos
- Around and under concentrate silos
- Margins and beneath hay bales
- Wet litter under/around waterers

**3 Other areas of fly agglomeration**

- Under fences, rails and in corners of floats/outside pens
- Adjacent run off areas from outside pens
- Wet areas due to surface run off into houses
- In stanchion corners and gutters
- Broken eggs on floor, egg selection areas and in manure
- Dead animals (birds, piglets etc.)
- Spilled litter around houses/pens/pasture

**Control measures**

**1 Manure**

- Clean regularly and frequently bedding/pens/stanchions/gutters/outside pens
- Clean accumulated manure (poultry) in cool season and leave base of absorptive old manure
- Stock pens at appropriate density to compact manure
- Flush out pit frequently and keep pit well-flooded with water
- Move calf hutches/animals on pasture frequently
- Keep edges/margins of manure piles clean
- Keep lagoon free of debris and floating solids
- Don't overload lagoons/manure storage areas
- Provide sloped and curbed concrete areas for loading manure spreaders

**2 Feed**

- Remove feed spillage frequently at defined areas
- Enclose/shelters over feed bunker
- Cover hay bales and store on sloped concrete or raised pallets
- Concrete aprons around feeders/waterers
- Prevent leaking waterers
- Cover and seal edges of silos

**3 Others**

- Provide sufficient ventilation and air flow for drying manure
- Concrete curbs under pen fences
- Bottom railings high enough to clean appropriately
- Scrape and grade pens frequently with contour for run off
- Provide runoff concrete channels and settling basins
- Cut adjacent vegetation around houses/pastures
- Screen milking parlours
- Remove and incinerate dead animals immediately
- Remove broken eggs

**Chemical control**

- Residual insecticides on adjacent vegetation around building
- Apply larvicides to manure
- Fly bait stations (adulticides)
- Paint-on/misting for adult fly control