**S3 Table: Cleaning and disinfection practices (reported or observed) in the farms of Gazipur and Tangail study sites, 2011-12**

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| --- | --- | --- | --- |
| **Materials and practices for cleaning and disinfection** | **Broiler farms**  **n=8** | **Layer farms**  **n=8** | **Total**  **n=16 (%)** |
| Disinfected shed before buying new batch (reported)\* |  |  |  |
| Spreading lime on the floor | 8 | 8 | **16 (100)** |
| Fumigating with potassium permanganate and formalin | 1 | 1 | **2 (12)** |
| Spraying disinfectant inside and outside the shed | 1 | 4 | **5 (12)** |
| Keeping a four to 21-day gap between batches | 6 | 3 | **9 (56)** |
| Disinfectants used in shed before buying new batch (reported)\* |  |  |  |
| Lime | 8 | 8 | **16 (100)** |
| Bleaching powder | 2 | 2 | **4 (25)** |
| Potassium permanganate | 0 | 2 | **2 (12)** |
| Detergent | 1 | 1 | **2 (12)** |
| Presence of spray (observed) | 5 | 7 | **12 (75)** |
| Functioning | 3 | 7 | **10 (62)** |
| Not functioning | 2 | 0 | **2 (12)** |
| Disinfectant used in spray (observed) |  |  |  |
| Alkyl dimethyl benzyl ammonium chloride | 3 | 6 | **9 (56)** |
| Potassium permanganate | 0 | 1 | **1 (6)** |
| Disinfectant of the spray (reported) |  |  |  |
| Change once daily | 0 | 1 | **1 (6)** |
| Use until exhausted | 1 | 2 | **4 (25)** |
| Refill before use and exhaust instantly | 3 | 3 | **6 (37)** |
| Disinfecting feed sack, medicine packets before taking inside the shed (reported) | 1 | 6 | **7 (44)** |
| Every time | 1 | 5 | **6 (37)** |
| Sometimes | 0 | 1 | **1 (6)** |
| Cleaning feeders, drinkers, cages and egg trays\* |  |  |  |
| Washing feeders and drinkers 3 times daily to once in a month | 8 | 2 | **10 (62)** |
| Washing the cages and attached metal or plastic drinkers and feeders after selling the batch | N/A | 6 | **6 (37)** |
| Drying feeder and drinkers in sun | 8 | 8 | **16 (100)** |
| Spraying egg trays before taking them inside the shed |  |  |  |
| Washing the egg trays by dipping them in detergent-water once daily in the winter and 2-3 times weekly in other seasons | N/A | 2 | **2 (12)** |
| Litter cleaning (reported)\* |  |  |  |
| Changing bedding material (dry litter) if gets damp | 5 | 1 | **6 (37)** |
| Changing bedding material (dry litter) once in a batch or after selling | 3 | 3 | **6 (37)** |
| Cleaning semi-liquid raw feces daily in Gazipur | N/A | 3 | **3 (19)** |
| Washing away semi-liquid raw feces 2-3 times a week in Tangail | N/A | 3 | **3 (19)** |
| Disposing litter (reported)\* |  |  |  |
| Sell fresh without treating | 5 | 6 | **11 (69)** |
| Dry open and sell or use as fuel/fertilizer | 4 | 4 | **8 (50)** |
| Use as fish feed without treating | 1 | 2 | **3 (19)** |
| Dump in open place | 2 | 1 | **3 (19)** |
| Presence of separate footwear to enter the shed (observed)\* | 5 | 4 | **9 (56)** |
| Sandal | 5 | 3 | **8 (50)** |
| Gumboot | 1 | 2 | **3 (19)** |
| Presence of arrangement for footbath (observed) |  |  |  |
| Cemented structure adjacent to the shed | 0 | 2 | **2 (12)** |
| Bucket | 0 | 1 | **1 (6)** |
| Chemicals used in foot bath (observed) |  |  |  |
| Potassium permanganate | N/A | 2 | **2 (12)** |
| Detergent | N/A | 1 | **1 (6)** |

\* Frequency includes multiple responses/observations