**Table S1.** Forecasted monthly %DOA for broilers in 2025 based on five time series models.

| Month | SARIMA | NNAR | TBATS | ETS | XGBoost |
|---|---|---|---|---|---|
| January | 0.41 | 0.60 | 0.53 | 0.51 | 0.56 |
| February | 0.45 | 0.53 | 0.56 | 0.59 | 0.57 |
| March | 0.44 | 0.61 | 0.52 | 0.54 | 0.50 |
| April | 0.43 | 0.52 | 0.44 | 0.48 | 0.50 |
| May | 0.39 | 0.53 | 0.38 | 0.37 | 0.36 |
| June | 0.36 | 0.44 | 0.35 | 0.38 | 0.35 |
| July | 0.40 | 0.53 | 0.34 | 0.36 | 0.36 |
| August | 0.40 | 0.50 | 0.34 | 0.40 | 0.37 |
| September | 0.37 | 0.50 | 0.33 | 0.28 | 0.34 |
| October | 0.45 | 0.34 | 0.33 | 0.36 | 0.37 |
| November | 0.37 | 0.33 | 0.37 | 0.42 | 0.40 |
| December | 0.48 | 0.32 | 0.44 | 0.47 | 0.41 |

SARIMA: AutoRegressive Integrated Moving Average; NNAR: Neural Network AutoRegressive; TBATS: Trigonometric Box-Cox ARMA Trend Seasonal; ETS: Exponential Smoothing State Space; XGBoost: Extreme Gradient Boosting.