**Table 3** Results of generalized linear mixed models for responses of African Openbill Stork and gastropod abundance to individual effects of the agronomic system factors across the study area

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Response variable | Predictor variable | Coefficient estimate | Standard error | N | AIC |
| Mean abundance of Open-bill Storks | Rice crop stage | **0.034\*\*\*** | 0.967 | 78 | 502.7 |
| Paddy-field-block size | -0.045 | 0.079 |
| Paddy-field soil water condition | -0..105 | 0.036 |
| Abundance of gastropods | **0.079\*** | 0.038 |
| Number of potential competitor species | **-0.044\*** | 0.034 |
|  |  |  |  |  |  |
| Mean gastropod abundance | Rice crop stage | **1.949\*\*\*** | 0.381 | 57 | 510.6 |
| Paddy-field-block size | -0.005 | 0.005 |
| Paddy-field soil water condition | 1.702 | 0.950 |

\*p<0.05; \*\*P<0.01; \*\*\*p<0.001; Significant effects are in bold face; *Coeff*=Estimated parameter coefficient; *Resid df*= Residual degrees of freedom; *AIC*= Value of Akaike information criterion for the selected model