**TABLE 4** Results of generalized linear mixed models for African Openbill Stork and gastropod abundance responses to interactive effects of the range of agronomic management system factors across the study area

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| RESPONSE VARIABLE | Predictor  variable 1 | Predictor  variable 2 | Coeff | SE | Resid. df | AIC |
| African Openbill Stork abundance | Rice crop stage | Paddy-field-block size | **0.025\*** | 0.010 | 55 | 482.6 |
| Gastropod abundance | Rice crop stage | -0.123 | 0.099 | 46 | 264.1 |
| Gastropod abundance | Paddy-field-block size | **7.340\*** | 3.634 | 51 | 465.8 |
| Gastropod abundance | Paddy-field soil water condition | -0.166 | 0.102 | 51 | 336.2 |
| Paddy-field-block size | Paddy-field soil water condition | 8.087 | 4.919 | 56 | 225.6 |
| Rice crop stage | Number of potential competitor species | **-0.341\*\*** | 0.124 | 57 | 267.0 |
| Paddy-field-block size | Number of potential competitor species | 0.005 | 0.007 | 57 | 281.0 |
| Gastropod abundance | Number of potential competitor species | **-0.005\*** | 0.002 | 57 | 225.6 |
| Gastropod abundance | Rice crop stage | Paddy-field-block size | -**0.036\*\*\*** | 0.009 | 46 | 358.9 |
| Rice crop stage | Paddy-field soil water condition | NULL | NULL | NULL | NULL |
| Paddy-field soil water condition | Number of potential competitor species | **-0.030\*\*** | 0.010 | 51 | 553.8 |

\*p<0.05; \*\*P<0.01; 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