|  | Model 1 | Model 2 | Model 3 |
| --- | --- | --- | --- |
| (Intercept) | 2.772\*\*\* | 2.669\*\*\* | -2.287\*\*\* |
|  | (0.167) | (0.181) | (0.616) |
| SowingScheduleT2 | -0.301\*\*\* | -0.294\*\*\* | 0.046 |
|  | (0.038) | (0.033) | (0.141) |
| SowingScheduleT3 | -0.640\*\*\* | -0.627\*\*\* | -0.029 |
|  | (0.040) | (0.035) | (0.146) |
| SowingScheduleT4 | -1.039\*\*\* | -1.057\*\*\* | 0.219 |
|  | (0.041) | (0.038) | (0.153) |
| SowingScheduleT5 | -1.353\*\*\* | -1.377\*\*\* | 0.204 |
|  | (0.044) | (0.040) | (0.161) |
| VarietyClass\_LDV | 0.441\*\*\* | 0.436\*\*\* | 0.066 |
|  | (0.025) | (0.024) | (0.094) |
| SeedRate | -0.005+ | -0.006\* | 0.029\*\* |
|  | (0.003) | (0.003) | (0.011) |
| CropEstablishmentCT-line | 0.641\*\*\* | 0.925\*\*\* | -0.238 |
|  | (0.174) | (0.228) | (0.643) |
| CropEstablishmentZT | 0.663\*\*\* | 0.867\*\*\* | -0.934\*\* |
|  | (0.077) | (0.118) | (0.285) |
| IrrigationNumber | 0.493\*\*\* | 0.456\*\*\* | -0.033 |
|  | (0.018) | (0.017) | (0.068) |
| SoilTypeLow | 0.179\* | 0.089 | -0.837\*\* |
|  | (0.082) | (0.068) | (0.303) |
| SoilTypeMedium | 0.215\*\*\* | 0.166\*\*\* | -0.308\* |
|  | (0.038) | (0.038) | (0.139) |
| LandTypeMedium Land | 0.048+ | 0.034 | -0.100 |
|  | (0.027) | (0.026) | (0.100) |
| LandTypeUpland | -0.104+ | -0.131\*\* | -0.076 |
|  | (0.055) | (0.049) | (0.205) |
| as.factor(Year)2017-18 | -0.235\*\*\* | -0.117\*\* | -0.466\*\* |
|  | (0.040) | (0.040) | (0.147) |
| as.factor(Year)2018-19 | -0.192\*\*\* | -0.116\*\* | -0.177 |
|  | (0.037) | (0.039) | (0.138) |
| as.factor(Year)2019-20 | -0.130\*\* | 0.027 | -0.377\* |
|  | (0.040) | (0.040) | (0.147) |
| as.factor(Year)2020-21 | -0.221\*\*\* | -0.081\* | -0.374\* |
|  | (0.040) | (0.041) | (0.148) |
| DistrictBegusarai | -0.014 | -0.006 | -0.317 |
|  | (0.055) | (0.047) | (0.204) |
| DistrictBuxar | 0.069 | 0.026 | 0.722\*\*\* |
|  | (0.046) | (0.049) | (0.168) |
| DistrictDeoria | -0.475\*\*\* | -0.440\*\*\* | 0.133 |
|  | (0.047) | (0.044) | (0.175) |
| DistrictEast Champaran | 0.081+ | 0.119\*\* | -0.239 |
|  | (0.043) | (0.038) | (0.160) |
| DistrictKushinagar | -0.139\*\* | -0.079+ | 0.156 |
|  | (0.050) | (0.047) | (0.185) |
| DistrictLakhisarai | -0.096+ | -0.147\*\* | -0.098 |
|  | (0.053) | (0.049) | (0.197) |
| DistrictMadhepura | -0.635\*\*\* | -0.631\*\*\* | -0.081 |
|  | (0.046) | (0.041) | (0.171) |
| DistrictMuzaffarpur | -0.022 | -0.012 | 0.677\*\*\* |
|  | (0.051) | (0.054) | (0.188) |
| DistrictRohtas | 0.611\*\*\* | 0.611\*\*\* | -0.230 |
|  | (0.061) | (0.059) | (0.224) |
| Num.Obs. | 3648 | 3648 | 3648 |
| R2 | 0.661 | 0.697 | 0.037 |
| R2 Adj. | 0.658 | 0.695 | 0.030 |
| AIC | 6720.2 | 6475.2 | 16254.9 |
| BIC | 6893.8 | 6648.9 | 16428.5 |
| Log.Lik. | -3332.089 | -3209.620 | -8099.445 |
| F | 271.065 | 320.621 | 5.412 |
| RMSE | 0.60 | 0.61 | 2.23 |
| + p < 0.1, \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001 | | | |