Supplemental Table S2. Stepwise regression model determining source variables most associated with rice grain yield across three years.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Analysis of Variance | | | | | |
| Source | DF | Sum of  Squares | Mean  Square | F Value | P value > F |
| Model | 8 | 220.89781 | 27.61223 | 72.61 | <0.0001 |
| Error | 191 | 72.63367 | 0.38028 |  |  |
| Corrected Total | 199 | 293.53148 |  |  |  |
| Summary of Fit | | | | | |
| Root Mean Square Error | 0.61667 | R-Square | 0.7526 |  |  |
| Dependent Mean | 3.07081 | Adjusted R-Square | 0.7422 |  |  |
| Coefficient of Variation | 20.0817 |  |  |  |  |
| Parameter Estimates | | | | | |
| Variable | DF | Estimate | Standard  Error | t Value | P value > |t| |
| Intercept | 1 | -5.70031 | 1.08371 | -5.26 | <0.0001 |
| Mid-season rice dry biomass | 1 | 0.00504 | 0.00189 | 2.67 | 0.0081 |
| Days to heading | 1 | 0.03149 | 0.01213 | 2.6 | 0.0102 |
| Final rice plant height | 1 | 0.05096 | 0.00719 | 7.08 | <0.0001 |
| Late season rice dry biomass | 1 | 0.00441 | 0.000605 | 7.29 | <0.0001 |
| Late season rice panicle number | 1 | 0.00233 | 0.00118 | 1.97 | 0.0499 |
| Days to heading x Mid-season rice dry biomass | 1 | -0.00005024 | 0.00002023 | -2.48 | 0.0139 |
| Final rice plant height x Late season rice dry biomass | 1 | -0.00003542 | 0.00000599 | -5.91 | <0.0001 |
| Late season rice dry biomass x Late season rice panicle number | 1 | -0.00000162 | 6.80E-07 | -2.38 | 0.0185 |