**Table S1:** Tiller number of wheat as influenced by various rice residues options in both years

|  |  |  |
| --- | --- | --- |
| **2021-2022** |  | **2022-2023** |
|  | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** |
| **R0** | 266.80a | 304.40a | 293.67a | 282.53a | 249.00a | 293.10a | 279.33a | 266.63a |
| **R1** | 277.73a | 321.07a | 306.67a | 296.20a | 254.07a | 301.40a | 285.03a | 266.73a |
| **R2** | 276.07a | 322.07a | 307.00a | 295.40a | 264.77a | 307.67a | 294.37a | 281.83a |
| **R3** | 268.87a | 314.87a | 302.4a | 291.27a | 260.07a | 295.93a | 284.33a | 261.80a |

**Table S2:** Tiller number of wheat as influenced by various nutrient management options in both years

|  |  |  |
| --- | --- | --- |
| **2021-2022** |  | **2022-2023** |
|  | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** |
| **N1** | 169.08a | 199.08a | 188.75a | 183.25a | 168.00a | 199.01a | 188.00a | 182.42a |
| **N2** | 296.33b | 337.17b | 324.58b | 304.83b | 268.42b | 314.96b | 300.13b | 282.96b |
| **N3** | 317.08c | 358.92b | 348.17b | 329.83c | 286.75b | 327.83b | 314.92b | 291.46b |
| **N4** | 289.25b | 339.08b | 323.67b | 317.75bc | 276.00b | 320.17b | 304.21b | 289.17b |
| **N5** | 290.08b | 343.75b | 327.00b | 321.08bc | 285.71b | 335.67b | 321.58b | 300.25b |

Note: Numbers followed by various lower-case letters within a column are significantly different from each other at *p* ≤ 0.05 and are otherwise statistically on par.

**Table S3:** LAI of wheat as influenced by various rice residues options in both years

|  |  |  |
| --- | --- | --- |
| **2021-2022** |  | **2022-2023** |
|  | **30 DAS** | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** | **30 DAS** | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** |
| **R0** | 0.93a | 1.72a | 3.26a | 3.90a | 2.68a | 0.84a | 1.42a | 3.57a | 3.91a | 2.43a |
| **R1** | 0.92a | 1.84a | 3.41a | 4.15a | 2.68a | 0.85a | 1.46a | 3.63a | 3.91a | 2.35a |
| **R2** | 1.12a | 1.91a | 3.35a | 4.15a | 2.82a | 0.93a | 1.47a | 3.73a | 4.01a | 2.47a |
| **R3** | 0.93a | 1.66a | 3.52a | 3.95a | 2.73a | 0.91a | 1.41a | 3.71a | 3.98a | 2.36a |

**Table S4:** LAI of wheat as influenced by various nutrient management options in both years

|  |  |  |
| --- | --- | --- |
| **2021-2022** |  | **2022-2023** |
|  | **30 DAS** | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** | **30 DAS** | **45 DAS** | **60 DAS** | **75 DAS** | **90 DAS** |
| **N1** | 0.87a | 1.42a | 2.48a | 2.82a | 1.87a | 0.77a | 1.32a | 2.58a | 2.81a | 1.82a |
| **N2** | 0.97b | 1.71b | 3.68bc | 4.33b | 2.88b | 0.88b | 1.43b | 3.88b | 4.24b | 2.54b |
| **N3** | 0.99b | 1.88b | 3.53b | 4.32b | 2.94b | 0.92b | 1.44b | 3.92b | 4.21b | 2.53b |
| **N4** | 1.03b | 1.92b | 3.64bc | 4.35b | 2.97b | 0.89b | 1.47b | 3.95b | 4.25b | 2.49b |
| **N5** | 1.01b | 1.99b | 3.57b | 4.36b | 2.98b | 0.94b | 1.54b | 3.98b | 4.25b | 2.63b |

Note: Numbers followed by various lower-case letters within a column are significantly different from each other at *p* ≤ 0.05 and are otherwise statistically on par.