**Supplementary Table 1.**

ANOVA showing year and weed infestation level interaction for *Avena fatua* and *A. ludoviciana*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Source | Degree of freedom | Mean square | | | | | | | | | | |
| *A. fatua* | | | | |  | *A. ludoviciana* | | | | |
| Height | Panicle | Biomass | Seed retention | Seed |  | Height | Panicle | Biomass | Seed retention | Seed |
| cm | no. m−2 | g m−2 | % | no. m−2 |  | cm | no. m−2 | g m−2 | % | no. m−2 |
| Replication | 2 | 706 | 88 | 10280 | 20.6 | 11003870 |  | 937 | 174 | 3958 | 52.3 | 159331 |
| Year (Y) | 1 | 192 | 69 | 13936 | 114.9 | 386509 |  | 389 | 163 | 31330 | 88.9 | 4499 |
| Weed infestation level (WFL) | 4 | 410 | 4737\* | 103502\* | 554.5\* | 19688420\* |  | 270 | 4253\* | 90617\* | 235.5\* | 9749560\* |
| Y x WFL | 4 | 33.4 | 6.46 | 10481 | 43.3 | 18384 |  | 280 | 88.3 | 7997 | 26.7 | 371963 |
| Error | 18 | 147.6 | 441.8 | 3659 | 147.7 | 1127635 |  | 164 | 132.3 | 4604 | 56.9 | 614885 |

\*indicates significant at 5% level of significance

**Supplementary Table 2.**

ANOVA showing year and weed infestation level interaction for wheat

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Source | Degree of freedom | Mean square | | | | | | |
| *A. fatua* infested wheat | | |  | *A. ludoviciana* infested wheat | | |
| Height | Earhead | Yield |  | Height | Earhead | Yield |
| cm | no. m−2 | Mg ha−1 |  | cm | no. m−2 | Mg ha−1 |
| Replication | 2 | 93 | 301 | 0.89 |  | 147.9 | 921.4 | 0.03 |
| Year (Y) | 1 | 48.5 | 1217 | 0.16 |  | 5.42 | 306.4 | 0.0004 |
| Weed infestation level (WFL) | 5 | 20 | 56669\* | 22.6\* |  | 12.9 | 49738\* | 13.5\* |
| Y x WFL | 5 | 7.6 | 301 | 0.31 |  | 4.5 | 2655 | 0.86 |
| Error | 22 | 22.5 | 3661 | 1.00 |  | 15.8 | 3384 | 0.53 |

\*indicates significant at 5% level of significance