Table *S*5

Analysis of variance (*F-statistics* and *p-values*) for weed species richness and weed density in the soil seed bank. Depths were 0–5 cm, 5–10 cm, 10–15 cm and 15–20 cm.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source of variation | Soil seed bank | | | | |
| Weed species richness | | Weed density | | |
| *F* | *p* | *F* | *p* | |
| Depth | 11.682 | < 0.001\*\*\* | 18.798 | | < 0.001\*\*\* |
| Tillage (Till) | 1.142 | 0.293 | 0.017 | | 0.897 |
| Straw | 2.726 | 0.108 | 57.783 | | < 0.001\*\*\* |
| Depth×Till | 6.525 | 0.001\*\* | 20.963 | | < 0.001\*\*\* |
| Depth×Straw | 1.619 | 0.204 | 7.419 | | 0.001\*\* |
| Till×Straw | 1.142 | 0.293 | 1.459 | | 0.236 |
| Depth×Till×Straw | 1.544 | 0.222 | 13.114 | | < 0.001\*\*\* |

The categorical factors are depth, tillage and straw.

Presented are the *F-statistics*, *p-values* with the level of significance; \**p* < 0.05, \*\**p* < 0.01, \*\*\**p* < 0.001.