Table S3 Multivariate analysis of variance by three way ANOVA of the soil seed bank; total garminable seed (n=3) with two level depth (0-5 cm and 5-20cm)

|  |  |  |  |
| --- | --- | --- | --- |
| Sources | df | F-value | |
| 0-5 cm | 5-20 cm |
| Rotation | 1 | 28.78\*\*\* | 0.02n.s. |
| Herbicide | 1 | 12.59\*\* | 1.81n.s. |
| Tillage | 1 | 3.24n.s. | 2.84n.s. |
| Rotation\*Herbicide | 1 | 19.70\*\*\* | 1.59n.s. |
| Rotation\*Tillage | 1 | 0.21n.s. | 0.01n.s. |
| Herbicide\*Tillage | 1 | 0.54n.s. | 0.002n.s. |
| Rotation\*Herbicide\*Tillage | 1 | 5.51\* | 5.99n.s. |

The categorical factors are rotation, herbicide and tillage. Presented are the F-values with the level of significance; \**P*<0.05, \*\**P*<0.01, \*\*\**P*<0.001, n.s.-no significant.