**Supplementary Table 1.** Survival rate of different *Digitaria sanguinalis* populations after nicosulfuron treatment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Population | Dosea (g a.i. ha−1) | Total number of plants | number of death | Survival rate (%) ±SE |
| HLJ | 30 | 24 | 0 | 100.00±0.00 |
| **60** | 24 | 0 | 100.00±0.00 |
| 120 | 24 | 3 | 87.50±0.07 |
| BJ | 30 | 24 | 0 | 100.00±0.00 |
| **60** | 24 | 2 | 91.67±0.08 |
| 120 | 24 | 3 | 87.50±0.13 |
| JL | 30 | 24 | 0 | 100.00±0.00 |
| **60** | 24 | 6 | 75.00±0.07 |
| 120 | 24 | 15 | 37.50±0.13 |
| AH | 30 | 24 | 1 | 95.83±0.04 |
| **60** | 24 | 3 | 87.50±0.13 |
| 120 | 24 | 10 | 58.33±0.11 |
| SD22 | 30 | 24 | 7 | 70.83±0.04 |
| **60** | 24 | 12 | 50.00±0.04 |
| 120 | 24 | 100 | 0.00±0.00 |

a Bold numbers indicate the recommended field dose