Table 1. Results of three-way ANOVA showing *p*-values and level of significance for vegetative characteristics related to quality of lisianthus cut flowers.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Concentration (A) | Group (B) | Cultivar (C) | A×B | A×C | B×C | A×B×C |
| Stem volume | 0.3147 | 2.0e-06\*\*\* | < 2.0e-16\*\*\* | 0.0162\* | 0.3265 | 0.0034\*\* | 0.0001\*\*\* |
| Stem nodes | 0.9117 | 1.2e-11\*\*\* | < 2.0e-16\*\*\* | 0.1908 | 0.0040\*\* | 0.0578 | 0.2306 |
| Stem length | 0.9074 | < 2.0e-16\*\*\* | 4.7e-12\*\*\* | 0.6277 | 0.0080\*\* | 0.0006\* | 0.2912 |
| Stem bush | 0.0003\*\*\* | < 2.0e-16\*\*\* | 3.4e-06\*\*\* | 0.0234\* | 0.7097 | 1.8e-05\*\*\* | 0.0280\* |
| Flowering days | 3.2e-07\*\*\* | 2.8e-07\*\*\* | 0.0001\*\*\* | 0.1758 | 0.0068\*\* | 0.4841 | 0.0025\*\* |
| SPAD | 0.0046\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | 0.0196\* | 7.4e-06\*\*\* | 0.0067\*\* | 0.4265 |

\* *p* < 0.05; \*\* *p* < 0.01; \*\*\* *p* < 0.001

Table 2. Results of three-way ANOVA showing *p*-values and level of significance for reproductive characteristics related to quality of lisianthus cut flowers.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Concentration (A) | Group (B) | Cultivar (C) | A×B | A×C | B×C | A×B×C |
| Fresh weight | 0.3545 | 3.3e-13\*\*\* | < 2.0e-16\*\*\* | 0.2534 | 0.6829 | 0.0215\* | 0.2050 |
| Dry weight | 0.0188\* | < 2.0e-16\*\*\* | 1.1e-08\*\*\* | 0.0083\*\* | 0.6016 | < 2.0e-16\*\*\* | 0.2138 |
| Weight difference | 0.0091\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | 0.0211\* | 0.1718 | 5.9e-12\*\*\* | 0.3072 |
| Vase life | 2.3e-06\*\*\* | < 2.0e-16\*\*\* | 1.7e-13\*\*\* | 0.0011\*\* | 0.1718 | 5.1e-05\*\*\* | 0.0818 |
| Petals | 0.0010\*\* | 0.0003\*\*\* | 4.5e-11\*\*\* | 0.6603 | 0.0088\*\* | 4.9e-06\*\*\* | 0.0614 |
| Petal size | 0.4261 | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | 4.2e-10\*\*\* | 0.0003\*\*\* | 5.2e-05\*\*\* | 0.1109 |

\* *p* < 0.05; \*\* *p* < 0.01; \*\*\* *p* < 0.001

Table 3. Results of three-way ANOVA showing p-values and level of significance for chemical components from leaf analysis of lisianthus cut flowers.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Concentration (A) | Group (B) | Cultivar (C) | A×B | A×C | B×C | A×B×C |
| Total nitrogen | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* |
| Phosphorus | 0.7681 | 0.0509 | 0.4898 | 0.3230 | 0.2360 | 0.1757 | 0.5132 |
| Potassium | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* |
| Calcium | 0.0004\*\*\* | 1.2e-07\*\*\* | < 2.0e-16\*\*\* | 7.5e-13\*\*\* | 4.8e-11\*\*\* | < 2.0e-16\*\*\* | 9.8e-16\*\*\* |
| Magnesium | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | 2.7e-09\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* | < 2.0e-16\*\*\* |

\* *p* < 0.05; \*\* *p* < 0.01; \*\*\* *p* < 0.001