|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | **Factor** | **DF** | **% effect on algae** | **% effect on corals** |
| O2 production | Treatment | 2 | **12.5** | 14.1 |
| Time | 15 | **24.2** | **37.6** |
| Repetition | 4 | **15.5\*** | 1.5 |
| Repetition \* Time | 8 | 3.0 | 9.3 |
| Residual | 60 | 44.9 | 37.5 |
| Maximum QY | Treatment | 2 | 9.2 | **25.0\*** |
| Time | 15 | **47.5** | **18.6** |
| Repetition | 4 | **8.0\*** | **15.6\*** |
| Repetition \* Time | 8 | 4.2 | **16.0\*** |
| Residual | 60 | 31.1 | 24.8 |
| Effevtive QY | Treatment effect | 2 | 5.0 | **20.6\*** |
| Time | 15 | **14.4** | **18.4** |
| Repetition | 4 | **21.6\*** | **13.7\*** |
| Repetition \* Time | 8 | 8.6 | **23.3\*** |
| Residual | 60 | 50.5 | 23.9 |
| Red fluorescence fraction | Treatment | 2 | 0.6 |  |
| Time | 14 | 23.9 |
| Repetition | 4 | **37.7\*** |
| Repetition \* Time | 8 | 2.5 |
| Residual | 56 | 35.3 |
| Green fluorescence intensity | Treatment | 2 |  | **21.0\*** |
| Time | 14 | 16.9 |
| Repetition | 4 | **39.3\*** |
| Repetition \* Time | 8 | **10.7\*** |
| Residual | 56 | 12.0 |
| Green fluorescence fraction | Treatment | 2 |  | **41.0\*** |
| Time | 15 | 9.2 |
| Repetition | 4 | **22.8\*** |
| Repetition \* Time | 8 | **22.4\*** |
| Residual | 60 | 4.6 |
| Green fluorescence intensity x fraction | Treatment | 2 |  | **33.6\*** |
| Time | 14 | 10.8 |
| Repetition | 4 | **33.1\*** |
| Repetition \* Time | 8 | **17.4\*** |
| Residual | 56 | 5.0 |
| Red fluorescence intensity | Treatment | 2 |  | **31.0\*** |
| Time | 15 | 13.5 |
| Repetition | 4 | **15.6\*** |
| Repetition \* Time | 8 | **21.8\*** |
| Residual | 60 | 18.1 |