

Table 5: Leaf chlorophyll contents as affected by bio-fertilizer and nitrogen rates on Washington navel orange trees during two seasons.

Characters	Ch. A (mg/100g)		Ch. B (mg/100g)		Total Ch. A&B (mg/100g)		Carotene (mg/100g)	
Seasons	2021/22	2022/23	2021/22	2022/23	2021/22	2022/23	2021/22	2022/23
Treatment groups								
Cont. (0 Bio. +100 kg N/fed.)	0.696bcd	0.416def	0.22de	0.170cde	0.916cde	0.586cde	0.550cd	0.293ef
3 L. Bio. + 100 kg N/fed	0.563de	0.390ef	0.216de	0.163de	0.79def	0.550de	0.41de	0.306def
3 L. Bio. + 90 kg N/fed	0.53de	0.533abcde	0.220de	0.230abcd	0.796def	0.760abcd	0.44de	0.456abcde
3 L. Bio. + 80 kg N/fed	0.503de	0.403def	0.236cde	0.180bcde	0.723ef	0.586cde	0.313e	0.286f
3 L. Bio. + 70 kg N/fed	0.44e	0.356f	0.17e	0.150e	0.613ef	0.506e	0.383de	0.263f
4 L. Bio. + 100 kg N/fed	0.516de	0.496cdef	0.21de	0.200abcde	0.723ef	0.690bcde	0.436de	0.373cdef
4 L. Bio. + 90 kg N/fed	0.45e	0.590abc	0.176de	0.243ab	0.626f	0.833ab	0.38de	0.476abc
4 L. Bio. + 80 kg N/fed	0.556de	0.653abc	0.256bcd	0.263a	0.806def	0.920ab	0.466de	0.530abc
4 L. Bio. + 70 kg N/fed	0.576cde	0.510bcdef	0.236cde	0.193abcde	1.023bcd	0.700bcde	0.806b	0.413bcdef
5 L. Bio. + 100 kg N/fed	1.103a	0.690a	0.426a	0.263a	1.523a	0.950a	1.046a	0.600a
5 L. Bio. + 90 kg N/fed	0.80bc	0.676ab	0.316bc	0.236abc	1.093bc	0.910ab	0.693bc	0.520abc
5 L. Bio. + 80 kg N/fed	0.583cde	0.646abc	0.233de	0.233abcd	0.803def	0.910ab	0.45de	0.560ab
5 L. Bio. + 70 kg N/fed	0.9067ab	0.563abcd	0.326b	0.260a	1.223b	0.796abc	0.79b	0.460abcd
LSD at 0.05%	0.2260	0.1704	0.0821	0.0730	0.276	0.2349	0.1704	0.1657

Similar letter(s) in the same column are non-significant statistically at 0.05 level of probability.