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Zhu WW, Wang P, Xu YX, Li CH, Yu HL, Huang JY (2021). Soil enzyme activities and their influencing factors in a desert steppe of northwestern China under changing precipitation regimes and nitrogen addition. *Chinese Journal of Plant Ecology*, 45, 309-320. DOI: 10.17521/cjpe.2020.0264

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附录 IV 2019 年降水量和氮添加对微生物 C:N:P 的影响(平均值±标准误, $n = 3$)

Supplemental IV Effects of precipitation and nitrogen addition on microbial C:N:P ecological stoichiometry in 2019 (mean ± SE, $n = 3$)

处理 Treatment	MBC	MBN	MBP	MBC:MBN	MBC:MBP	MBN:MBP
W1N0	68.51 ± 11.37 ^b	7.40 ± 0.54 ^b	3.16 ± 0.81 ^a	9.33 ± 1.72 ^a	23.44 ± 5.30 ^b	2.55 ± 0.41 ^b
W2N0	113.23 ± 2.84 ^{ab}	12.09 ± 7.34 ^{ab}	1.11 ± 0.19 ^b	20.27 ± 10.71 ^a	108.75 ± 19.24 ^a	11.19 ± 5.93 ^{ab}
W3N0	123.07 ± 29.48 ^a	9.15 ± 0.19 ^a	0.77 ± 0.01 ^b	13.35 ± 3.05 ^a	159.15 ± 38.15 ^a	11.83 ± 0.37 ^a
W4N0	110.48 ± 4.20 ^{ab}	13.34 ± 0.91 ^{ab}	1.34 ± 0.09 ^b	8.34 ± 0.54 ^a	83.06 ± 5.77 ^{ab}	10.13 ± 1.39 ^{ab}
W5N0	105.23 ± 14.81 ^{ab}	10.36 ± 2.63 ^{ab}	1.15 ± 0.22 ^b	11.99 ± 3.76 ^a	105.38 ± 35.74 ^a	8.97 ± 0.96 ^{ab}
W1N5	77.79 ± 17.94 ^b	7.26 ± 0.62 ^a	3.07 ± 0.43 ^a	10.99 ± 2.79 ^a	25.58 ± 4.99 ^b	2.54 ± 0.61 ^a
W2N5	126.48 ± 23.12 ^{ab}	14.13 ± 10.12 ^a	0.68 ± 0.32 ^b	41.26 ± 31.57 ^a	239.71 ± 61.95 ^a	36.64 ± 26.57 ^a
W3N5	144.32 ± 27.51 ^a	10.72 ± 1.55 ^a	0.70 ± 0.07 ^b	14.92 ± 5.04 ^a	201.92 ± 18.46 ^a	16.09 ± 3.87 ^a
W4N5	115.30 ± 5.37 ^{ab}	16.53 ± 7.36 ^a	1.35 ± 0.26 ^b	10.51 ± 4.20 ^a	93.29 ± 21.95 ^b	13.61 ± 5.94 ^a
W5N5	76.42 ± 10.54 ^b	12.32 ± 3.22 ^a	0.98 ± 0.25 ^b	7.68 ± 2.89 ^a	85.08 ± 18.18 ^b	14.51 ± 5.99 ^a

MBC、MBN、MBP 分别代表微生物生物量碳、氮、磷含量。N0 和 N5 表示氮添加处理分别为 0 和 5 g·m⁻²·a⁻¹。W1, 降水量减少 50%; W2, 降水量减少 30%; W3, 自然降水量; W4, 降水量增加 30%; W5, 降水量增加 50%。

MBC, MBN and MBP represent microbial biomass carbon, nitrogen and phosphorus content. N0 and N5 indicate the nitrogen addition treatment is 0 and 5 g·m⁻²·a⁻¹, respectively. W1, 50% reduction in precipitation; W2, 30% reduction in precipitation; W3, natural precipitation; W4, 30% increase in precipitation; W5, 50% increase in precipitation.