

Table 1 SOC content of soil (0-10 cm), (10-20 cm) under different treatments (mean ± standard error, n = 3)

	depth	CK (g/kg)	P3(g/kg)	P2(g/kg)	P1(g/kg)	N3(g/kg)	N2(g/kg)	N1(g/kg)	N2P2 (g/kg)
NW	0~10cm	90.00±5.63	93.30±3.02	95.93±11.93	129.6±52.19	83.50±8.05	97.10±8.43	92.47±2.80	89.50±5.72
	10~20cm	88.23±5.59	71.30±3.26	84.10±3.99	103.10±2.32	98.50±15.46	77.10±7.07	76.50±7.88	60.70±9.38
W1	0~10cm	133±18.62	92.87±10.70	88.00±5.73	90±10.34	80.20±13.08	88.20±14.22	61.40±4.53	93.30±13.60
	10~20cm	90.00±7.30	83.00±4.97	78.43±9.64	83.00±5.02	64.80±11.95	75.20±17.65	86.60±11.39	76.50±4.28
W2	0~10cm	113.70±13.38	108.73±11.35	108.60±3.24	103.80±11.67	95.40±10.08	122±15.52	111.37±18.79	93.60±12.83
	10~20cm	80.20±11.90	92.40±8.84	90.40±12.50	89.70±9.77	79.20±17.57	71.80±14.50	108.70±1.84	73.60±6.72
W3	0~10cm	104.10±2.40	91.50±12.36	110.07±12.14	101.80±8.73	122.50±15.04	125.63±15.14	125.53±16.46	112.50±6.09
	10~20cm	93.10±11.96	85.10±13.86	109.13±10.16	76.50±22.20	106.05±12.55	82.00±18.99	113.00±4.03	87.40±14.43

Table 2 NO₃⁻-N content of soil (0-10 cm), (10-20 cm) under different treatments (mean ± standard error, n = 3)

	depth	CK(mg/kg)	P3(mg/kg)	P2(mg/kg)	P1(mg/kg)	N3(mg/kg)	N2(mg/kg)	N1(mg/kg)	N2P2(mg/kg)
NW	0~10cm	2.80±0.29	4.49±0.46	4.76±1.17	2.89±0.19	5.31±0.21	4.69±0.27	6.05±2.66	3.33±0.89
	10~20cm	3.30±0.50	4.81±0.50	3.26±0.70	3.67±1.13	5.22±1.16	3.57±1.66	4.59±1.31	3.79±0.77
W1	0~10cm	2.93±0.82	2.51±0.13	3.80±0.26	3.17±0.54	9.20±1.86	10.76±0.10	6.00±0.70	5.98±1.93
	10~20cm	4.66±1.77	1.78±0.56	3.60±1.04	7.13±0.83	4.60±0.09	6.07±1.51	2.70±0.28	4.15±1.15
W2	0~10cm	4.39±1.97	1.95±1.14	2.22±0.55	2.12±0.33	2.43±0.33	2.61±0.77	4.17±0.51	3.66±1.07
	10~20cm	4.36±0.41	3.55±1.35	3.97±1.72	2.42±0.85	4.32±1.51	5.88±0.86	4.78±0.60	3.32±0.62
W3	0~10cm	2.28±0.82	2.17±0.76	0.95±0.09	2.42±0.72	3.88±0.55	2.34±0.26	3.06±0.39	2.71±0.73
	10~20cm	2.38±0.81	2.33±1.33	0.98±0.12	4.67±1.24	5.95±0.01	3.33±0.76	3.49±0.88	2.64±1.23

Table 3 NH₄⁺-N content of soil (0-10 cm), (10-20 cm) under different treatments (mean ± standard error, n = 3)

	depth	CK(mg/kg)	P3(mg/kg)	P2(mg/kg)	P1(mg/kg)	N3(mg/kg)	N2(mg/kg)	N1(mg/kg)	N2P2(mg/kg)
NW	0~10cm	12.64±1.92	12.64±3.90	18.05±3.35	8.40±0.73	20.75±0.92	28.26±5.64	14.09±3.57	7.31±1.68
	10~20cm	7.78±3.55	12.70±2.38	18.37±2.40	10.20±3.09	21.26±3.90	10.83±2.19	10.93±2.15	5.37±1.24
W1	0~10cm	13.47±3.17	13.50±2.71	7.63±1.83	10.29±3.48	15.44±2.13	21.06±1.70	19.21±1.81	17.94±2.64
	10~20cm	12.98±3.46	9.86±3.01	15.21±2.51	10.75±1.85	15.58±1.51	18.47±2.43	19.19±1.61	14.87±3.10
W2	0~10cm	12.37±1.44	15.32±2.98	16.88±2.20	9.80±0.81	9.86±1.32	14.99±1.81	17.66±1.17	24.36±3.03
	10~20cm	11.72±1.20	9.24±1.12	7.71±0.57	7.12±1.35	13.95±0.56	18.27±3.92	21.98±1.05	8.96±1.07
W3	0~10cm	5.45±1.28	5.17±0.51	8.53±1.28	9.77±1.25	25.09±4.86	19.73±1.29	13.54±1.15	12.09±2.36
	10~20cm	11.27±0.97	9.04±0.40	10.70±0.30	8.08±0.83	12.08±0.01	16.56±1.71	12.06±1.21	9.91±1.13