Table 1 Chemical composition of fallen leaves of *Quercus rugosa* treated with different levels of urea and molasses

Content	0% Molasses				15% Molasses				30% Molasses				45% Molasses			
	Urea, %															
	0	2	4	6	0	2	4	6	0	2	4	6	0	2	4	6
Ash, %	7.8^e	6.3^g	6.0^{gh}	5.8^h	8.0^{de}	7.33^f	7.3^f	7.2^f	9.3^a	8.7^c	8.2^d	8.0^{de}	9.0^{ab}	8.9^{bc}	9.1^{ab}	8.9^{bc}
Crude Protein, %	1.9^k	7.5^h	11.7^e	17.2^c	2.7^j	7.9^h	12.0^e	17.8^b	3.6^i	8.5^g	13.2^d	17.9^{ab}	8.9^g	9.4^f	13.4^d	18.2^a
Ether Extract, %	1.6^a	1.4^{bc}	1.1^{def}	0.9^f	1.5^{ab}	1.3^{bcd}	1.0^{ef}	1.1^f	1.4^{bc}	1.3^{bcd}	1.2^{cde}	1.2^{cde}	1.3^{bc}	1.2^{cde}	1.2^{cde}	1.2^{cde}
NDF, %	67.7^{ab}	70.3^a	69.7^a	69.5^a	63.6^{bcd}	62.7^{bcde}	67.3^{ab}	64.2^{bc}	59.1^{cde}	58.5^{def}	59.8^{cde}	58.0^{ef}	53.8^{fg}	60.1^{cde}	57.6^{efg}	52.6^g
ADF, %	62.1^{ab}	64.1^a	64.7^a	64.8^a	57.9^{bc}	56.6^{bcd}	60.2^{ab}	56.3^{bcde}	53.0^{cdef}	53.5^{cdef}	52.0^{cdef}	50.5^{ef}	48.6^g	51.8^{def}	49.8^g	44.4^g
Hemicellulose, %	5.6^{bcd}	6.2^{abcd}	4.9^d	4.7^d	5.6^{bcd}	6.1^{abcd}	7.0^{abcd}	7.9^{ab}	6.1^{abcd}	5.0^d	7.7^{ab}	7.4^{abc}	5.2^{cd}	8.3^a	7.8^{ab}	8.2^a
NFC, %	20.90^{bcd}	14.3^{fg}	11.4^{fgh}	6.4^h	24.1^{ab}	20.6^{bcd}	12.4^{fg}	9.7^{hg}	26.7^a	22.8^{abc}	17.6^{ed}	14.8^{ef}	26.8^a	20.3^{bcd}	18.9^{cde}	19.0^{cde}
ME, MJ kg^{-1}	3.3^h	3.8^{gh}	3.8^{gh}	4.2^{efgh}	4.2^{efgh}	4.2^{efgh}	4.6^{defg}	5.4^{cde}	5.0^{defg}	5..0^{def}	5.9^{bcd}	6.7^{abc}	6.9^b	6.7^{ab}	6.8^{ab}	7.5^a
NEl, MJ kg^{-1}	0.4^{fg}	0.4^{fg}	0.4^g	0.8^{efg}	1.3^{def}	0.8^{efg}	0.8^{efg}	2.1^{cde}	1.3^{def}	1.3^{def}	2.1^{bcd}	3.3^a	2.9^b	2.8^{bc}	2.9^b	3.8^a
SCFA, mmol	0.1^e	0.1^e	0.1^e	0.1^e	0.3^{cde}	0.2^{de}	0.2^{de}	0.4^{bcd}	0.3^{cde}	0.3^{cde}	0.4^{abc}	0.7^b	0.6^{ab}	0.6^{ab}	0.6^{ab}	0.8^a

NFC, non-fiber carbohydrates; SCFA, short chain fatty acid

SEM, standard error of the mean

[a, b, c, d. f. g. h]Means in a row with different letter superscripts are different (P<0.05)

Table 2 Kinetics of *in situ* degradability of fallen leaves of *Quercus rugosa* treated with different levels of molasses and urea

Concept	0% Molasses				15% Molasses				30% Molasses				45% Molasses			
	Urea, %															
	0	2	4	6	0	2	4	6	0	2	4	6	0	2	4	6
a, %	18.2^g	18.5^g	16.5^g	23.8^f	22.8^f	23.2^f	27.4^e	29.3^d	33.6^{bcd}	33.6^{bcd}	36.0^{ab}	33.4^{bcd}	33.7^{bcd}	35.0^{abcd}	36.8^a	35.7^{abc}
b, %	13.7^{bcd}	13.3^{bcd}	20.8^a	14.2^{bcd}	17.9^{ab}	18.2^{ab}	18.0^{ab}	17.2^{ab}	7.9^d	8.3^d	10.1^{cd}	13.5^{bcd}	12.6^{cd}	13.7^{bc}	11.23^{cd}	22.3^a
a+**b**, %	31.9^g	31.8^g	37.3^f	38.0^f	40.8^{ef}	41.4^{def}	45.4^{bcd}	46.5^{bc}	41.5^{def}	41.9^{def}	46.1^{bc}	46.9^{bc}	46.3^{bc}	48.7^b	48.0^b	58.0^a
c h^{-1}	0.01^d	0.02^{cd}	0.02^{cd}	0.03^c	0.03^c	0.01^d	0.04^b	0.05^b	0.02^{cd}	0.02^{cd}	0.04^b	0.1^a	0.02^{cd}	0.03^c	0.04^b	0.1^a

a, Fraction of DM lost during washing; b: fraction of DM slowly degraded; **a**+**b**, potential degradability of DM; **c**, degradation rate of DM of fallen leaves treated with urea and molasses.

SEM, standard error of the mean

[a, b, c, d, f, g] Mean in a row with different letter superscripts differ (P<0.05)