

*In vitro rumen fermentation of diets with different types of condensed tannins derived from sainfoin (Onobrychis viciifolia Scop.) pellets and hazelnut (Corylus avellana L.) pericarps*

Article

Other

Table 2

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**Table 2**

*In vitro* rumen fermentation characteristics of a basal diet alone or with hazelnut pericarps (HP), pellets of sainfoin (PS) and HP + PS after 24 h of incubation.

	Basal diet	Basal diet + HP	Basal diet + PS	Basal diet + HP + PS	SEM	<i>P</i> -value
pH	6.22 <sup>b</sup>	6.26 <sup>ab</sup>	6.35 <sup>a</sup>	6.27 <sup>ab</sup>	0.032	0.036
IVDMD (g/kg)	554 <sup>a</sup>	494 <sup>b</sup>	461 <sup>c</sup>	480 <sup>b</sup>	26.2	<0.001
Volatile fatty acids (VFA, net)						
Acetate (mmol/l)	104.7	107.8	94.4	96.8	11.41	0.788
Propionate (mmol/l)	34.1	34.2	30.3	31.2	3.92	0.612
Butyrate (mmol/l)	15.7	15.7	12.2	13.3	1.33	0.210
Isobutyrate (mmol/l)	1.61	1.56	1.23	1.28	0.165	0.348
Valerate (mmol/l)	2.43 <sup>a</sup>	2.13 <sup>ab</sup>	1.54 <sup>c</sup>	1.76 <sup>bc</sup>	0.101	0.003
Isovalerate (mmol/l)	2.65	2.44	1.90	2.01	0.267	0.256
Caproate (mmol/l)	0.19	0.26	0.14	0.17	0.030	0.070
Total iso-VFA (mmol/l)	4.26	3.99	3.13	3.29	0.431	0.288
Total VFA (mmol/l)	161.3	164.1	141.8	146.5	16.92	0.673
Acetate:propionate ratio (mol/mol)	3.07	3.15	3.10	3.09	0.092	0.931

IVDMD: *in vitro* dry matter degradability; VFA: volatile fatty acids; SEM: standard error of the mean.

<sup>a,b,c</sup> Means within a row with different subscripts differ ( $P < 0.05$ ).