

Table 1. Lactational performance of dairy cows provided a top-dress without or with 25(OH)D₃ during late gestation (PRE) and early lactation (POST).

Item	PRE - POST 25(OH)D ₃ , mg/d				SE	P-value		PRE x POST
	0 - 0	0 - 1.5	3 - 0	3 - 1.5		PRE	POST	
Post DMI, kg/d	23.5 ^{ab}	23.1 ^b	23.4 ^{ab}	24.5 ^a	0.5	0.09	0.38	0.05 ¹
Post DMI, % BW/d	3.38 ^{ab}	3.24 ^b	3.30 ^{ab}	3.44 ^a	0.06	0.19	0.88 ¹	<0.01 ¹
Milk, kg/d	49.3	49.8	50.4	50.8	1.0	0.22 ¹	0.60	0.97
4% FCM, kg/d	52.5	51.6	53.6	53.9	1.0	0.03 ¹	0.74	0.45
ECM, kg/d	55.3	54.6	56.5	56.9	1.0	0.04 ¹	0.83	0.52
Fat, kg/d	2.18	2.11	2.23	2.24	0.05	0.02 ¹	0.41	0.26
True protein, kg/d	1.42	1.43	1.46	1.47	0.03	0.13 ¹	0.72	0.96
Fat, %	4.53	4.32	4.49	4.47	0.09	0.49	0.15	0.24
True protein, %	2.95	2.92	2.96	2.95	0.04	0.63	0.62	0.81

^{ab} Mean values in the same row with different superscripts differ ($P \leq 0.05$).

¹ Significant ($P \leq 0.05$) interaction with week.