

TABLE 8

In situ ruminal protein kinetic parameters and effective degradability of distillers grain products derived from different cereal grains

	Maize DDGS	Wheat DDGS	Barley DDGS	Triticale DDGS	Rye DDGS
a ⁽⁶⁾	18.4	27.2	17.3	17.4	14.6
b ⁽⁷⁾	75.2	66.5	68.5	80.3	78.6
c ⁽⁸⁾	3.9	5.6	6.4	3.6	5.0
ED	48.0	58.2	52.6	47.5	50.30

Notes and sources: The kinetics parameters were estimated according to the equation $P = a + b(1 - e^{-ct})$ from Ørskov and McDonald, 1979. (1) Maize distillers grain data adapted from Mjoun *et al.*, 2010b. (2) Wheat distillers grain data adapted from Boila and Ingalls, 1994; Ojowi *et al.*, 1997; Mustafa, McKinnon and Christensen, 2000; and Mustafa *et al.*, 2000. (3) Barley distillers grain data adapted from Mustafa, McKinnon and Christensen, 2000; and Mustafa *et al.*, 2000. (4) Triticale distillers grain data adapted from Mustafa *et al.*, 2000. (5) Rye distillers grain data adapted from Mustafa *et al.*, 2000. (6) a = soluble fraction (%). (7) b = potentially degradable fraction (%). (8) c = rate of degradation (%/hour). (9) ED = Effective Degradability (%). The ED at assumed rates of passage $k = 0.06/h$ was calculated according to the equation $ED = a + bc/(k + c)$ from Ørskov and McDonald, 1979.