

عنوان مقاله:

Improved Reproduction of Heat-Stressed Dairy Cows on Prolonged Protected Met

محل انتشار:

دومین همایش سراسری کشاورزی و منابع طبیعی پایدار (سال: 1393)

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خلاصه مقاله:

The purpose of this research was to establish prolonged effects of a rumen-protected Met (RPM) product (SmartamineMTM) on reproduction of early-lactation cows under extended high ambient temperatures. A total of 24 Holstein cows including 12 second lactation and 12 higher lactation cows were randomly assigned to either control or RPM-supplemented total mixed rations (TMR, 520:480 g/kg forage:concentrate) for 5 months. Cows were offered TMR 3 times daily post-milking plus a top-dress alfalfa hay. The RPM improved ovary function, estrus expression visibility and body condition score (3 vs. 2.6), while shortening days open (106 vs. 143) and calving interval (387 vs. 421 d). Findings provide evidence for beneficial effects of prolonged RPM provision on reproduction of Holstein cows under concurrent metabolic pressures of early lactation and stressful high ambient temperatures

کلمات کلیدی:

Dairy cow, Heat stress, Protected methionine, Reproduction

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