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## Relationship between body condition of cows in dry period and level of their energy reserves and productivity in the next lactation

### S u m m a r y

In BCS scale body condition of 109 dry cows were scored. Level of energy reserve was assessed during next 10 months of lactation. The data concerning productivity were determined from breeding record books. Milk yield was converted into energy corrected milk (ECM). Duncan test was used for statistical analysis. It was found that energy reserves gathered during dry period influenced the rate of using and rebuilding them in post calving period. In the case of cows which body condition was scored as optimal (3,5-4,0 pts) in dry period, negative energy balance was the shortest. These animals however did not reach peak milk yield in the second month of lactation, and the rate of productivity decrease was the highest in the course of lactation. Cows scored as thin (to 3,0 pts) were characterized by the lowest rate of milk yield decrease however. In particular stages of lactation these animals did not reach recommended scores.