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**REPRODUCTIVE ABILITY PARAMETERS
OF COWS UKRAINIAN BLACK SPOTTED DAIRY CATTLE
BREED AND THEIR INFLUENCE ON MILK PRODUCTIVITY**

At the current stage of the research many authors have been focused on searching of optimal parameters animals reproductive ability, such as cows service-expectancy, dry-expectancy and intercalving period, that lead to obtaining higher milk productivity. The purpose of our investigations was to study the reproductive ability of cows Ukrainian Black Spotted dairy cattle breed and their influence on milk productivity formation of dairy animals in Precarpathian. Research was carried out at PAF "Selectioneer" Sokal district, Lviv region. Cows reproductive ability was evaluated by retrospective analysis based on the primary zootechnical accounting the duration of the service-expectancy, dry-expectancy and intercalving period.

In the conditions of Precarpathian it was established that the dry-expectancy duration by cows Ukrainian Black Spotted dairy cattle breed was 72,0–79,6, service-expectancy – 114,8–134,2, intercalving period – 398,8–416,2 days depending on lactation.

The animals with duration dry-expectancy 56–65, the service-expectancy – 80–100 and intercalving period – 365–385 days have received the highest milk production.

The fraction of influence between the dry-expectancy duration on milk production depending on was 19,66–26,10, on milk fat content – 18,44–27,39; service-expectancy – 31,85–36,98 and 30,14–36,63 respectively; intercalving period duration – 26,81–33,49 and 26,49–33,65 %.

It was determined the correlation coefficients between dry-expectancy duration and: milk production – 0,198–0,286 ($P<0,05$ –0,01), milk fat content 0,188–0,222 ($P<0,05$) and milk fat quantity – 0,036–0,097; between service-expectancy duration and these proofs, respectively: 0,203–0,315 ($P<0,05$ –0,01), 0,041–0,086; 0,198–0,298 ($P<0,05$ –0,01), intercalving period and all of these parameters: 0,198–0,305 ($P<0,05$ –0,01), 0,033–0,065; 0,197–0,301 ($P<0,05$ –0,01).