

Conception Rates Of Holstein Friesian Cows Inseminated

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Conception Rates Of Holstein Friesian

Conception rates of Holstein Friesian (HF) acceptors were evaluated in artificial insemination (AI) mating using three frozen semen doses of the straws per volume of 0.25 cc. Frozen semen consisted of a standard dose by 25 x 10⁶ sperms (L.1) and two reduced doses by 20 x 10⁶ sperms (L.2) and 15x10⁶ sperms (L.3).

Conception Rates of Holstein-Friesian Cows Inseminated ...

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Conception Rates of Holstein-Friesian Cows Inseminated ...

Since this study indicates that the heritability (additive genetic variance) of conception rate in Holstein cows bred artificially to highly fertile bulls is about 8.5%, the mean conception rates of paternal half-sib groups may provide criteria for selecting for higher conception rates.

Hereditary Variation in Conception Rate of Holstein ...

tors affecting the conception rate in seasonal calving Holstein-Friesian cows. *Reproduction Nutrition Development*, EDP Sciences, 2003, 43 (6), pp.543-555. 10.1051/rnd:2004002 . hal-00900528

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(PDF) Insemination factors affecting the conception rate ...

and with a high proportion of Holstein-Friesian genes are more likely to have reduced reproductive performance [15-17]. The calving to service interval has been shown to affect the conception/non-return rate [18, 19]; cows with longer calving to service intervals are more likely to conceive. This has particular importance in

Insemination factors affecting the conception rate in ...

This study was conducted to optimize the reproductive parameters of Holstein Friesian cows at Alage dairy farm, Ethiopia. Reproduction data were included; the age at first service (AFS), age at first calving (AFC), calving to first service interval (CFSI), first service conception rate (FSCR), number of services per conception (NSC), inter service interval (ISI), pregnancy rate (PR) and ...

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Reproductive Performance of Holstein Friesian Dairy Cows ...

All crossbred cows in the present study had a shorter calving interval relative to the average of the parental breeds corresponding to 1.5, 2, and 2.4% heterosis for Holstein × Friesian, Holstein × Jersey, and Friesian × Jersey cows, respectively.

Milk production and fertility performance of Holstein ...

The mean EBV for conception rates \pm SD of these collected samples was $45.3 \pm 3.5\%$ (Fig. S1). We selected 192 low samples (conception rates lower than 41.1%) and 192 high samples (conception rates higher than 51%) among the collected samples.

Genetic variants related to gap junctions and hormone ...

The over-all adjusted conception rate in the heifers was 63.6% as compared to 55.3% in the parous cows. Pregnancy

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loss was not affected significantly ($P>0.05$) by either sire line or system of mating in the heifers, but the latter had a significant effect ($P<0.05$) on pregnancy loss in the cows.

Genetic Factors Affecting Conception Rate and Early ...

Fertilisation rates in the 1980s in Holstein-Friesian dairy cows were greater than 95%; however, in a recent review of the literature, it was estimated that this figure has declined to 83% (Sartori et al., 2010).

A review of the causes of poor fertility in high milk ...

Conception rates of Canadian Holstein-Friesian bulls in artificial insemination were recorded as percent 60- to 90-day nonreturns to first service. A total of 5, 923, 974 first services to 784 bulls by 207 sires were analyzed using a mixed model which included age of bull (1-14 yr), years (1956-1976), months and AI units as fixed effects.

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HERITABILITY OF NONRETURN RATE OF CANADIAN HOLSTEIN ...

Humidity had a minor effect on the conception rate in both regions. Our data suggest that 37°N latitude, corresponding to an average daily temperature of 27.8 °C and maximum temperature of above 32.3 °C, is a threshold that affects Holstein-Friesian conception rates in the Japanese climate.

Effect of environmental factors on fertility of Holstein ...

Genetic aspects of common health disorders and measures of fertility in Holstein Friesian dairy cattle - Volume 65 Issue 3 - J. E. Pryce, R. F. Veerkamp, R. Thompson, W. G. Hill, G. Simm

Genetic aspects of common health disorders and measures of ...

Age at first calving (AFC) affects the profitability of dairy enterprises. This study examined the relationships

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between AFC and subsequent fertility, milk production and survival up to third calving in UK Holstein-Friesian heifers; Study 1 comprised 134 consecutively born heifers from the same herd (AFC 764 ± 8 days) and Study 2 contained 445 heifers born on 17 farms (AFC 796 ± 6 days).

Association between growth rates, age at first calving and ...

lowing flush feeding (15 days) increases the conception rate of cows. The obtained result on conception rate in the current study after hormonal treatment was 40% for Holstein Local genotypes for flushed group, which was similar with the result of DeJarnette and Marshall (2003), who observed 41% concept rate for Holstein cows in their experi-

Effect of Flushed Feeding and Age on Estrus ...

In Irish Holstein-Friesian cattle, Mc Parland et al. investigated the effects of new and ancestral inbreeding on yield

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and fertility traits. They found that a 1% increase in (F_{NEW}) was associated with a decrease in 305-day milk, fat and protein yields of 32.4 kg, 2.4 kg and 1.1 kg, respectively.

Inbreeding depression due to recent and ancient inbreeding ...

In the United States, analysis of commercial data from California showed higher first-service conception rates for Scandinavian Red×Holstein (+6 percentage units) and Montbeliard×Holstein (+10 percentage units) compared with Holstein (23%). They also exhibited fewer days open and greater survival.

Crossbreeding: implications for dairy cow fertility and ...

This study was known as : Milk Production figures Crossbred Jerseys Reproductive data from this showed that the crossbreds in the study perform better in first service conception rate 44% versus 29%, but Holstein Friesian

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cows obtain better results in second and other service conception rates.

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