

عنوان مقاله:

(An Observational Analysis of Secondary Sex ratio, Stillbirth and Birth Weight in Iranian Buffaloes (*Bubalus bubalis*))

محل انتشار:

مجله علوم و فناوری کشاورزی، دوره 14، شماره 7 (سال: 1391)

تعداد صفحات اصل مقاله: 8

نویسندگان:

N. Ghavi Hossein-Zadeh - *Department of Animal Science, Faculty of Agricultural Science, University of Guilan, Rasht, Islamic Republic of Iran*

M. Madad - *Department of Animal Science, Faculty of Agricultural Science, University of Guilan, Rasht, Islamic Republic of Iran*

A. A. Shadparvar - *Department of Animal Science, Faculty of Agricultural Science, University of Guilan, Rasht, Islamic Republic of Iran*

.D. Kianzad - *Animal Breeding Center of Iran, P. O. Box ۳۱۵۸۵-۹۶۳, Karaj, Islamic Republic of Iran*

خلاصه مقاله:

Calving records of Iranian buffaloes from April ۱۹۹۱ to June ۲۰۱۰ comprising ۱,۱۵۱ herds with ۳۴,۹۱۱ calving events were used to evaluate reported secondary sex ratio, stillbirth, and calf birth weight. Logistic regression models were applied to analyze stillbirth and calf sex at birth, and statistical analysis of calf birth weight was performed using a linear mixed model. Overall, the ratio of males to females was ۵۳:۴۷. It was observed that there were no significant effects of herd, calving year, season of calving, dam parity or interactions between these effects on the odds of male or female rates in Iranian buffaloes. Greater odds of calf stillbirth existed for calves born from primiparous buffaloes than from multiparous ones (Odds Ratio (OR)= ۱.۸۳; $P < ۰.۰۰۰۱$). The greatest odds of stillbirth was for spring season (OR= ۲.۴۷; $P < ۰.۰۰۰۱$), and male births had greater odds of stillbirth than female ones in Iranian buffaloes (OR= ۱.۲۱; $P < ۰.۰۱$). In general, male calves were heavier than the female calves at birth ($P < ۰.۰۱$) and the birth weights of calves from cows of parity ۴ and beyond were significantly more than the weights of calves from cows of other parities ($P < ۰.۰۱$). Fall-born calves had significantly greater body weight at birth than calves born in other seasons ($P < ۰.۰۱$). It seems that providing good management practices for primiparous and multiparous buffaloes to minimize stress before parturition can reduce stillbirth incidence.

کلمات کلیدی:

Birth weight, Iranian buffalo, sex ratio, Stillbirth

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1826949>



