
МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА РОССИЙСКОЙ ФЕДЕРАЦИИ
МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА ЧУВАШСКОЙ РЕСПУБЛИКИ
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В сборник включены тезисы докладов международной научно-практической конференции «Перспективы развития аграрных наук: AgroScience-2021».

Рассмотрены проблемы агрономии, ветеринарной медицины и экологии, зоотехнии и технологии переработки сельскохозяйственной продукции, механизации сельского хозяйства, экономики и бухгалтерского учета, гуманитарных и социальных наук.

Для научно-педагогических работников, аспирантов и студентов.

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PROGRAM AND BOOK OF ABSTRACTS
International AgroScience Conference
April 16, 2021, Cheboksary, Russian Federation

DAIRY PRODUCTIVITY OF KAZAKH HORSE MARES

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Currently, horse breeding in the territory of the Republic of Kazakhstan is considered an intensively developing industry of productive animal husbandry [Sataev E T et al. 2018 *Research, results* 2]. The study and use of the relationship of dairy productivity of mares with other economic and useful features is relevant for breeding scientists and owners of kumys producing farms [Lv J P and L M Wang 2009 *In Bioactive Components in Milk and Dairy Products* 5].

The purpose of the work is to establish the influence of morphometric parameters of udder of milking mares of the Kazakh horse on the formation of dairy productivity and the intensity of foal development in the dairy period (from birth to 6 months of age).

The highest peak in commercial dairy productivity in milking mares is observed at the 2nd and 3rd months of lactation (9.2, respectively; 9.0 and 7.2; 6.9 liters). Mares with a cup-shaped udder in all periods of experience have a greater milk yield than peers with a rounded udder shape. So, according to the results of four months of milking from mares with a cup-shaped udder, only 1051.0 liters of commercial milk were obtained, which is 227.4 liters more than from peers with a rounded udder form.

The results of the observation showed that the largest indicators of absolute – 42.7 kg, average daily – 1.42 kg and relative growth – 107.3% were noted in the offspring of animals with a cup-shaped udder. In foals obtained from mares with a rounded form of udder, growth rates (39.9, respectively; 1.33 kg and 100.7%) were slightly lower. The high rate of foal growth in the first months of life is explained by the fact that with the mother's milk they receive all the necessary nutrients [Park Y W et al. 2008 *In Handbook of Milk of Non-Bovine Mammals* 5].

Keywords: Kazakh horse, mare, udder form, udder measurements, milk productivity, foals, living mass, timing.

References

- [1] Lv J P and L M Wang 2009 Bioactive components in kefir and koumiss *In Bioactive Components in Milk and Dairy Products* 5 251 DOI: 10.1002/9780813821504.ch10
- [2] Park Y W, Zhang H, Zhang B and L Zhang Mare milk. *In Handbook of Milk of Non-Bovine Mammals* 5 294 DOI: 10.1002/9780470999738.ch13
- [3] Sataev E T, Iskhan K Z, Baimukanov D A and A R Akimbekov 2018 Dairy productivity of the Kushum horse breed *Research, results* 2 78 129 https://izdenister.kaznau.kz/files/parts/2018_2/2018_2-128-135.pdf

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