

Fatty acids composition of dromedary and bactrian camel milk in Kazakhstan

Author(s): [Narmuratova, M](#) (Narmuratova, M.); [Konuspayeva, G](#) (Konuspayeva, G.); [Loiseau, G](#) (Loiseau, G.); [Serikbaeva, A](#) (Serikbaeva, A.); [Nathalie, B](#)(Nathalie, Barouh); [Didier, M](#) (Didier, Montet); [Faye, B](#) (Faye, B.)

Source: JOURNAL OF CAMEL PRACTICE AND RESEARCH **Volume:** 13 **Issue:** 1 **Pages:** 45-50 **Published:** JUN 2006

Times Cited: 4 (from Web of Science)

Cited References: 16 [[view related records](#)]  [Citation Map](#)

Abstract: The fatty acid composition is probably linked to one of the health effects attributed to camel milk. In the present paper, the fatty acid compositions of dromedary camel, bactrian camel and hybrids are analysed in Kazakhstan where all these species cohabit. The results confirm the higher quantity of unsaturated fatty acids compared to cow milk. Palmitic acid, stearic acid, oleic acid and miristic acid are the most important part of the camel milk fat. As our sampling method included 3 variation factors (species, season, regions) with not more than one sample per case, only general trends were observed. The milk samples collected in summer, on bactrian camel and in the Caspian region (Atyrau, Aralsk) tend to be richer in long-chain fatty acids. At reverse, the milk samples taken in winter, on hybrids or dromedary and from the southern part of Kazakhstan seem richer in short-chain fatty acids.

Accession Number: WOS:000240791600009

Document Type: Article

Language: English

Author Keywords: camel; fatty acid; Kazakhstan; milk composition; milk fat

Reprint Address: Faye, B (reprint author), EMVT, CIRAD, Campus Int Baillarguet, F-34398 Montpellier, France

Addresses:

1. EMVT, CIRAD, F-34398 Montpellier, France
2. AMIS, CIRAD, F-34390 Montpellier, France
3. Kazakh Natl Univ, Alma Ata 050078, Kazakhstan
4. Agrarian Univ, Alma Ata 050008, Kazakhstan

Publisher: CAMEL PUBLISHING HOUSE, 67 GANDHI NAGAR WEST, NEAR LALGARH PALACE, BIKANER 334001, INDIA

Web of Science Category: Veterinary Sciences

Subject Area: Veterinary Sciences

IDS Number: 088DL

ISSN: 0971-6777