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Irrigation regime and productivity of small water consumption rice in a desert area of Kalmykia

© Elvira B. Dedova, 1 Sergey L. Belopukhov, 2 and Rustam M. Shabanov 3

1,3 Kalmyk branch GNU VNIIGIM RAS. Gorodovikov St., 1. Elista. Republic of Kalmykia. Russia. E-mail: kf_vniigim@mail.ru

² Russian State Agrarian University – K.A. Timiryazev MAA. Timiryazevskaya St., 49. Moscow, 127550. Russia. Phone: +7 (499) 976-32-16. E-mail: belopuhov@mail.ru

*Supervising author; *Corresponding author

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Abstract

The results of field experiments on cultivation of different varieties of rice under sprinkler irrigation in the arid conditions of Kalmykia, allowing to obtain 4-5 t/ha of rice grains while maintaining before irrigation threshold at 80-85% of field capacity when adding nitrogen and phosphorus fertilizer.