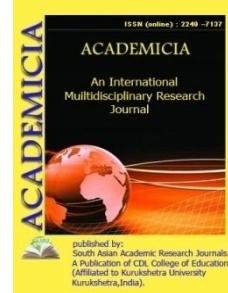


ACADEMICIA
**An International
Multidisciplinary
Research Journal**
(Double Blind Refereed & Peer Reviewed Journal)



DOI: 10.5958/2249-7137.2021.01113.7

**IMPROVEMENT OF IRRIGATION REGIME OF COTTON VARIETIES
DEPENDING ON SOIL AND CLIMATE CONDITIONS OF THE
REPUBLIC OF KARAKALPAKSTAN**

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ABSTRACT

In the conditions of the southern zone of the Aral Sea region, a water-saving and optimal irrigation regime has been developed for medium-fibrous cotton varieties "S-4727", "Sulton" and "Chimboy-5018". Comparative analysis showed that a high yield of cotton variety "Sulton" was achieved with soil before irrigation at a moisture level of 80-80-60% of LCMF and an irrigation rate of 650-800 m³ / ha and an irrigation rate of 3500 m³ / ha. At the same time, the yield of cotton was 31.2-32.6 c / ha.

KEYWORDS: Cotton, Fibers, Irrigation Scheme, S-4727, Chimboy-5018, Sulton, LCMF, Raw Yield, Meadow–Alluvial, Moisture, Soil;

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