



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**

Mambetnazarov Bisenbay Satnazarovich*; Oteuliev Jaksilik Begdullaevich**

*Professor,
Doctor of Agricultural Sciences,
Karakalpak State University, UZBEKISTAN

**Assistant of Karakalpak State University,
UZBEKISTAN

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;

REFERENCES:

1. Авлиёкулов А.Э. Гидромодульное районирование и режим орошения культур хлопкового севооборота при интенсивном ведении их в Сурхан-Шерабадской долине. Изд-во "Меҳнат", Тошкент, 1992. С.120-135.
2. Беспалов Н.Ф., Авлиёкулов А.Э., Ёдгоров А.Х. Ғўзани суғориш.-Тошкент: Фан.1984.-48-52.
3. Методика полевых и вегетационных опытов с хлопчатником. – Ташкент, Изд.4, 1973. – С. 1-225

4. Шамсиев А.С. Влияние климатических показателей на водопад рябленые хлопчатника “Актуальные вопросы науки. XVIII Международной научно-практической конференции. Москва, 2015. С. 61-62.