

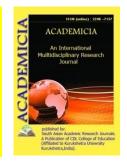
ISSN: 2249-7137

Vol. 11, Issue 4, April 2021

Impact Factor: SJIF 2021 = 7.492



ACADEMICIA An International Multidisciplinary Research Journal



(Double Blind Refereed & Peer Reviewed Journal)

DOI: 10.5958/2249-7137.2021.01119.8

IMPROVEMENT OF COTTON NUTRITION PROCEDURE AND IRRIGATION TECHNOLOGIES

Guliston Nuranovna Abdalova*; Jamoliddin Saporboyugli Eshonkulov**; Sarvar Olimugli Sulaymonov***, Fazilat Marufqizi Abdullayeva****

*Candidate of Agricultural Sciences Tashkent State Agrarian University, Tashkent, UZBEKISTAN Email id: 1963gulistan@mail.ru

**Assistant Tashkent State Agrarian University, Tashkent, UZBEKISTAN Email id: 1992.jamoliddin@mail.ru

***2-Year Student. Tashkent State Agrarian University, Tashkent, UZBEKISTAN

****4-Year Student. Tashkent State Agrarian University, Tashkent, UZBEKISTAN

ABSTRACT

This article presents the results of research- fertilization by laying a black polyethylene film between the rows of cottonand field experiments on irrigation technologies conducted in the conditions of typical gray soils of Tashkent region. In order to save water in the irrigation of cotton and other crops, mulching between rows with black polyethylene film and straw and the introduction of irrigation technology using flexible artificial pipes is highly effective. The plant thrives only when the soil moisture is moderate. This can be achieved by improving irrigation techniques and technologies. In field experiments, the timing and rate of cotton irrigation were determined by soil moisture. It was found that the seasonal water norm saved an average of 1,095 m3 or 27.3% of irrigation water per hectare in the variants irrigated between rows with black polyethylene film compared to the options irrigated by conventional irrigation.

KEYWORDS: Typical Gray Soils, Cotton, Navruz Variety, Feeding, Irrigation Regimes.

ISSN: 2249-7137

REFERENCES:

- 1. Shamsiev A.S., Bezborodov A.G.Vliyanieantropogennixibiosfernixfaktorovnauglekislotniybalansivodopotrebleniexlopch atnika[Influence of anthropogenic and biospheric factors on carbon dioxide balance and water consumption in cotton].Toshkent-2015
- 2. G.A.Bezborodov

«Primeneniesolomivkachestveorganicheskogoudobreniyaidepressoraispareniyavlagivoroshae momzemledelii[The use of straw as an organic fertilizer and depressant of moisture evaporation in irrigated agriculture]» Xalqaroilmiyamaliykonferensiyama'ruzalariasosidagimaqolalartoʻplami. Toshkent 2007 y. 9-13 betlar.

3. G.A.Bezborodov

"SovershenstvovanieorositelnoysetiitexnikipolivaxlopchatnikavpredgornoyzoneUzbekistana[Improvement of the irrigation network and cotton irrigation technique in the foothill zone of Uzbekistan]" dissertation for the degree of Doctor of Technical Sciences on the topic. Toshkent, 1994.

- 4. KamilovB.S., XasanovM.M. Tomchilatibsugʻorishusulininggʻoʻzahosildorligigata'siri[Effect of drip irrigation method on cotton yield] // Problemivxlopkovodstveiperspektivnieputiixresheniya: Tez. dokl. mejd. nauch. prak. konf. 2-3 dekabrya2009. Tashkent, 2009. -str.338-339
- **5.** J.X.Axmedov, A.E.Avliyoqulov, A.Nuriddinov, M.Xasanov, A.Baxromov Promising variety of cotton "Navruz" and agro-techniques for its cultivation. Scientific and practical bases of increasing soil fertility (part 2) Collection of articles based on reports of the international scientific-practical conference. Toshkent, 2007 y.,160-161 betlar.