EuroSciCon

10th Edition of International Conference on

Food Safety And Regulatory Measures

May 23-24, 2019
Zurich, Switzerland

Aliyev Zakir Huseyn Oglu, J Food Nutr Disor 2019, Volume 8
DOI: 10.4172/2324-9323-C3-029

Scientific rationale for the development of low-intensity irrigation systems in Azerbaijan

Aliyev Zakir Huseyn Oglu

Institute of Soil Science and Agrochemistry of ANAS, Azerbaijan

Background: The results of the study revealed that the mismatch intensity rain rate of water absorption into the soil formation of a surface relief and soil erosion, uneven and shallow soaking imperfection open irrigation system at a superficial irrigation, the need for different irrigation methods in the growing and not growing periods, low coefficient land utilization, high cost of irrigation and other features are, to a certain extent in conflict with the requirements of watering cultivated with techniques for / of crops in an area at the deep groundwater.

Conclusion: The analysis has shown that irrigation with micro-irrigation can also find its spread in conditions of close lying of non-saline groundwater.

At a high level of groundwater, high yields of agricultural crops can be achieved, however, technical and economic indicators at the given level of development of sprinkling equipment in the presence of socio-economic conditions of life of farming and other farms of the republic are less favorable than surface furrow irrigation.

Further improvement of sprinkler systems with higher technical and economic indicators, possibly, will allow to expand irrigation area of micro-irrigation in conditions of mountain-irrigated agriculture in Azerbaijan. For this purpose, in the future, micro irrigation systems of the type IDAD and others proposed for serial production were not tested in the republic for any more (except for research objects) for sprinkling.

Recent Publications

1. Aliyev Z. H., Aliyev B.H. "Impulslo Su Burakhyo." Patent No. P 20020196, Baky 2002,Ill.
2. Aliyev Z. H., Aliyev B. H., NurievCh.Sh. / "Asta yagısyagdıran qurgular systems" Patent No. R.990100 Baka 1999-s il.
3. Aliyev Z.H. "Suvarma sistemlərinin optimallasdırılması" / Patent No. I. 99001624.
4. Aliyev Z.H., Aliyev B.H. "Impulslu suburaxıcı" / Patent No. I. 20000152.
5. Aliev ZH. Development and implementation of a pulse-sprinkling device for auto oscillatory action in the mountainous and foothill region of Azerbaijan: Abstract of the dissertation. Candidate of Agricultural Sciences.Baku, 2003.
6. Aliev B.H. Aliev ZH, "Irrigation techniques for farmers and peasant farms in Azerbaijan" / Monograph, "Azerneshr" Publishing House Baku, 1998.113.
7. Aliev B.H. Aliyev ZH, Zoning of the territory of the Republic of Azerbaijan for the selection of progressive irrigation technology. / Monograph, Ziyaya Publishing House. Baku, 2001. 297
8. Aliev B.H. Aliyev ZH, Irrigated agriculture in the mountain and foothill regions of Azerbaijan. / Monograph Publishing house "Ziya-Nurlan EPP LLC", Baku, 2003. 330 p.

9. Aliyev Z.H.– A research report on the model-experimental study of runoff and runoff from rainwater using various soil protection techniques on winter pastures with dissected relief of the southeastern part of the Greater Caucasus, manuscript of the Research Institute of Erosion and Irrigation, Baku-2004, p. 76.

volqa_5@mail.ru