Impact Factor: 9.2 ISSN-L: 2544-980X

Norms of Irrigation and Fertilization of Grain Crops with Spike

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Annotation: in the article 1-varianrt (control) that is, irrigation works carried out on the basis of faktik measurements in the economic conditions of seasonal irrigation standard 5466 m3/ha a total of 6 times. In this data, the yield was 53 c/ha. At the same time, 1 m3 of river water was spent on obtaining grain.

Key words: grain with spike, irrigation, fertilizer norm.

INTRODUCTION

The development of the organization of farming activities on the fundamental basis of the reforms carried out in the country's agriculture is the pursuit of their comprehensive support and the creation of wide opportunities for them.

Taking into account the financial and economic crisis taking place in the world, the head of our country is aware of the reasons for the emergence of the crisis taking place in the work “the world financial and economic crisis, the ways and measures to eliminate it in the conditions of Uzbekistan”, the work being done in this area in our country, the financial Proceeding from this, it is possible to increase the share of agricultural products in the economy of the Republic through the creation and introduction of promising technologies for obtaining abundant crops in agriculture, thereby increasing the productivity.

Autumn is considered a demanding plant for soil fertility among grain-bearing crops, regardless of care in any soil conditions.

S.N.Avdonin further clarifies this issue, and he believed that the cultivation and assimilation of oats to mineral fertilizers, in particular nitrogen, phosphorus and potassium, will continue until the milk-wax ripening period of the plant.

It is known that nitrogen fertilizers in mineral fertilizers are of particular importance, they positively affect the growth and development of the plant, serve to pass the physiological processes occurring during growth in accelerated pictures, keep the physiological management in the norm.

There are 14 SIU in Bukhara district. Mainly cotton and grain cultivation, farming and livestock also occupy a leading position. The irrigated area of the district is 30121 hectares.

Field wet capacity of experimental field, feeding mode

Variants	Ekin turi	Reading standards	Watering picked soil moisture
1- Variant (Control)	Polovchanka variety of autumn	N240; P180; K90.	In economic conditions faktik measurements
2- Variant			70-70-65 %
3-Variant			70-80-70%

Economic efficiency of grain yield obtained from autumn in the conditions of alluvial soils of the past irrigated meadow of Bukhara region was calculated based on the “methods of field experiments” of the Research Institute of Agrotechnologies of cotton selection, seeds and cultivation, 2007.

In the calculation of economic efficiency, the expenses for the cultivation of 1 kg of wheat (tannarkh), buxoro region, Buxoro district “Niyoz-Niyozov” were taken as the basis of the expenses established in 2021 year for the farmer's farm.

CONCLUSIONS

Revenue from the options was determined by multiplying the grain yield from the experimental options to the state purchase price. After that, the cost of controlling 1 kg bug'doy coin was multiplied by the yield of the option, and the total outgoing costs were found. It was written that the expenses that went to the remaining variants of the experiment were added to the expenses that were spent on a Har variant (on water, for harvesting additional crops, for transportation). Then

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the costs from the sale to earn conditional net profit were deducted. After finding the conditional net profit, it was divided into the costs incurred, followed by a separate rate of return on optionstirib multiplied by 100.

The following conclusions were made on the basis of the analysis of the results of the study of autumn irrigation procedure on alluvial soils of the past irrigated meadow of Bukhara Oasis.

1-varianrt (control) that is, irrigation works carried out on the basis of faktik measurements in the economic conditions of seasonal irrigation standard 5466 m^3/ha a total of 6 times. In this data, the yield was 53 c/ha. At the same time, 1 m3 of river water was spent on obtaining grain.

REFERENCES

1. Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). BASICS OF FARMING ON SALINE AND SALINE-PRONE SOILS. *Oriental renaissance: Innovative, educational, natural and social sciences*, *2*(6), 725-730.
2. Xamidova, S. M., Juraev, U. A., & Atamurodov, B. N. (2022). EVALUATION OF THE EFFECTIVENES OF PHYTOMELIORATIVE MEASURES IN THE TREATMENT OF RECLAMATION OF SALINE SOILS. *Web of Scientist: International Scientific Research Journal*, *3*(6), 835-841.
3. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). IRRIGATION OF COTTON BY WATER-SAVING METHOD. *Oriental renaissance: Innovative, educational, natural and social sciences*, *2*(6), 718-724.
4. Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). USE OF RESOURCE-EFFICIENT IRRIGATION TECHNOLOGY IN THE REPUBLIC OF UZBEKISTAN. *Science and innovation*, *1*(D2), 96-100.
5. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Najmiddinov, M. M., & Sobirov, K. S. (2022). EFFECTIVE USE OF WATER IN IRRIGATED AREAS. *Oriental renaissance: Innovative, educational, natural and social sciences*, *2*(6), 810-815.
6. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). GROWING TOMATOES HYDROPONICALLY IN GREENHOUSES. *Science and innovation*, *1*(D2), 87-90.
7. Atamurodov, B. N., Murodov, O. U., Najmiddinov, M. M., & Sobirov, K. S. (2022). IN IRRIGATION OF AGRICULTURAL CROPS, IRRIGATION WITH DIFFERENT QUALITY WATER. *Science and innovation*, *1*(D2), 91-95.
8. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). SOYBEANS ARE TRANSPLANTED INTO SALINE AND SALINE SOILS TO JUSTIFY THE EFFECTIVENESS OF DRIP IRRIGATION.
9. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). IRRIGATION OF GOOSE BY WATER-SAVING METHOD.
10. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). SCIENTIFIC AND PRACTICAL IMPORTANCE OF EFFICIENT USE OF WATER IN IRRIGATED LAND.
11. Jurayev, A. Q., Jurayev, U. A., Atamurodov, B. N., & Najmiddinov, M. M. (2021). Cultivation of Corn as a Repeated Crop. *European Journal of Life Safety and Stability (2660-9630)*, *10*, 49-51. Jurayev, A. Q.,
12. Jurayev, U. A., Atamurodov, B. N., & Najmiddinov, M. M. (2021). Scientific Benefits and Efficiency of Drip Irrigation. *Journal of Ethics and Diversity in International Communication*, *1*(6), 62-64.
13. Jurayev, A. Q., Jurayev, U. A., Atamurodov, B. N., & Najmiddinov, M. M. (2021). Aphorisms of Farming in the Method of Kidroponics. *International Journal of Discoveries and Innovations in Applied Sciences*, *1*(6), 133-135.
14. Jo'rayev, U. A., Jo'rayev, A. Q., & Atamurodov, B. N. (2021). Application of Provided Irrigation Technologies in Irrigated Agriculture. *International Journal of Development and Public Policy*, *1*(6), 164-166.
15. Atamurodov, B. N., Ibodov, I. N., Najmiddinov, M. M., & Najimov, D. Q. The Effectiveness of Farming in the Method of Hydroponics. *International Journal of Human Computing Studies*, *3*(4), 33-36.
16. Jurayev, A. Q., Jurayev, U. A., Atamurodov, B. N., & Najmiddinov, M. M. (2021). The Main Purpose of Drip Irrigation in Irrigation Farming and Its Propagation. *European Journal of Life Safety and Stability (2660-9630)*, *10*, 46-48.
17. Fazliev, J., Khaitova, I., Atamurodov, B., Rustamova, K., Ravshanov, U., & Sharipova, M. (2019). EFFICIENCY OF APPLYING THE WATER-SAVING IRRIGATION TECHNOLOGIES IN IRRIGATED FARMING. *Интернаука*, *21* (103 часть 3), 35.
18. Xamidova, S. M., Juraev, U. A., & Murodov, O. U. (2022). EFFECTS OF PHYTOMELIORANT PLANTS ON LAND RECLAMATION CONDITION AND SALT WASHING NORMS. *Oriental renaissance: Innovative, educational, natural and social sciences*, *2*(6), 803-809.

19. Ulugbekovich, M. O., Komiljonovna, S. M., Sobirovich, K. B., & Murodovich, M. M. (2021, March). DETERMINATION OF EFFICIENCY OF GROUNDWATER USE IN IRRIGATION OF MILLET PLANTING. In *Euro-Asia Conferences* (Vol. 3, No. 1, pp. 131-134).

20. Murodov, O. U., Teshayev, U. O., Amrulloev, O. I., & Islomov, S. U. (2021). DETERMINING THE EFFICIENCY OF THE USE OF UNDERGROUND WATER IN IRRIGATION OF TARIK. *Экономика и социум*, (3-1), 187-191.

21. Ulugbekovich, M. O., Sobirovich, K. B., & Komiljonovna, S. M. son of the Islamic Charter of Prayer.(2020). Smart irrigation of agricultural crops. Middle European Scientific Bulletin, 3, 1-3.

22. Ulugbekovich, M. O., Sobirovich, K. B., Komiljonovna, S. M., & Nizomiy ogli, I. I. (2020). Smart irrigation of agricultural crops. *Middle European Scientific Bulletin*, *3*, 1-3.

23. Khamidov, M. K., Balla, D., Hamidov, A. M., & Juraev, U. A. Using collector-drainage water in saline and arid irrigation areas for adaptation to climate change. 2020. In *IOP Conference Series: Earth and Environmental Science* (Vol. 422, No. 1, p. 012121).

24. Dagma, B., Hamidov, A., Muhammadkhon, K., & Jurayev, U. Improvement of drainage water quality through biological methods: a case study in the Bukhara region of Uzbekistan. *European Science Review.–Ausrtia Vienna.–2016.–№ September-october.(05.00. 00. № 3)*.

25. Ro'Ziyeva, M. A., & Najmiddinov, M. M. (2022). Sho'rlik darajasi turlicha bo'lgan suvning jamadon tipidagi ko'chma quyosh suv chuchiktgich qurilmasining unumdorligiga ko'rsatadigan ta'siri. *Science and Education*, *3*(4), 218-221.

26. Ruziyeva, M. A., Najmiddinov, M. M., & Sobirov, K. S. (2022). COMPARATIVE ANALYSIS OF METHODS FOR MEASURING BURNUP OF SPENT FUEL ASSEMBLIES BETI. *Oriental renaissance: Innovative, educational, natural and social sciences*, *2*(5), 385-389.

27. Саксонов, У. С. (2022). АКТУАЛЬНОСТЬ ВОДОСБЕРЕГАЮЩИХ ТЕХНОЛОГИЙ ПОЛИВА. *Scientific progress*, *3*(2), 1004-1009.

28. Жураев, А. К., & Саксонов, У. С. (2019). BUG 'DOY O 'SIMLIGINING BIOLOGIYASI HAMDA AGROTEXNIKASI. *ЖУРНАЛ АГРО ПРОЦЕССИНГ*, (6).

29. Жураев, А. К., & Саксонов, У. С. (2019). BUXORO VOHASIDA KUZGI BUG 'DOYNI SUG 'ORISH MUDDATLARI VA ME 'YORLARINI ILMIY ASOSLASH. *ЖУРНАЛ АГРО ПРОЦЕССИНГ*, (6).

30. Фазлиев, Ж. Ш., Хаитова, И. И., Атамуродов, Б. Н., Рустамова, К. Б., & Шарипова, М. С. (2019). ТОМЧИЛАТИБ СУҒОРИШ ТЕХНОЛОГИЯСИНИ БОҒЛАРДА ЖОРИЙ ҚИЛИШНИНГ САМАРАДОРЛИГИ. *Интернаука*, (21-3), 78-79.

31. Атамуродов, Б. Н., Фазлиев, Ж. Ш., & Рустамова, К. Б. (2020). ИССИҚХОНАЛАРДА ПОЛИЗ ЭКИНЛАРИ УЧУН ГИДРОПОНИКА УСУЛИ САМАРАДОРЛИГИ ВА ФОЙДАЛИ ЖИХАТЛАРИ. *ЖУРНАЛ АГРО ПРОЦЕССИНГ*, *2*(3).

32. N., Atamurodov B., et al. "The Effectiveness of Farming in the Method of Hydroponics." *International Journal of Human Computing Studies*, vol. 3, no. 4, 2021, pp. 33-36, doi:10.31149/ijhcs.v3i4.2026.

33. Rustamova, K. B., Sobirov, K. S., & Najmiddinov, M. M. (2022). BASICS OF FARMING ON STRONGLY SALINE SOILS. *Web of Scientist: International Scientific Research Journal*, *3*(6), 1902-1907.

34. Rustamova, K. B., Sobirov, K. S., & Najmiddinov, M. M. (2022). AGRICULTURE FEED CHAPTER THE BASICS OF CROP IRRIGATION. *Academicia Globe: Inderscience Research*, *3*(06), 381-386.

35. Rustamova, K. B., Sobirov, K. S., & Najmiddinov, M. M. (2022). ECONOMICAL USE OF WATER RESOURCES IN IRRIGATION IN THE REPUBLIC OF UZBEKISTAN. *Web of Scientist: International Scientific Research Journal*, *3*(6), 1860-1865.

36. Jurayev, A. K., Rustamova, K. B., Sobirov, K. S., & Najmiddinov, M. M. (2022). WATERING THE COTTON BY DRIP IRRIGATION METHOD. *Spectrum Journal of Innovation, Reforms and Development*, *4*, 605-610.

37. Jurayev, A. K., Sobirov, K. S., & Najmiddinov, M. M. (2022). HIGH AND HIGH QUALITY HARVEST FROM PET FOOD CROPS BY LASER LEVELING ON DESERT SLOPES. *Academicia Globe: Inderscience Research*, *3*(06), 387-391.

38. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). THE EFFECTIVENESS OF INTENSIVE CULTIVATION OF POTATOES IN CONDITIONS OF SALINE SOILS. *Web of Scientist: International Scientific Research Journal*, *3*(6), 1853-1859.

39. Atamurodov, B. N., & Najmiddinov, M. M. (2022). The Effectiveness of Farming in Greenhouses Drip Irrigation Method. *Journal of Intellectual Property and Human Rights*, *1*(1), 14-18.

40. Jurayev, A. K., Jurayev, U. A., Atamurodov, B. N., Sobirov, K. S., & Najmiddinov, M. M. (2022). WATERING THEIR CROPS WITH WATER OF DIFFERENT QUALITY. *Oriental renaissance: Innovative, educational, natural and social sciences*, *2*(6), 1251-1257.