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PRODUCTIVITY OF GRAIN OF WHEAT OF SAND OF CENTRAL FERGANA

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ABSTRACT

In connection with the proclamation of the independence of the Republic of Uzbekistan, the tasks of rational use of irrigated lands and self-sufficiency in agricultural products have acquired particular importance. As noted above, graded sands are highly susceptible to wind erosion. These lands should be approached from the point of view of soil conservation agriculture, sowing with ground cover crops. Ground cover crops, protecting the land from erosion, lead to a gradual increase in the fertility of the sands.

KEYWORDS: *Proclamation, Acquired, Fertility, Independence*

INTRODUCTION

In addition, the population of our country must be provided with bread, and animal husbandry with fodder.

Therefore, where earlier experiments were carried out with cotton after sowing sorghum, from 2002 to 2004. experiments were carried out with wheat of the Polovchanka variety.

In the third decade of June, wheat was harvested, the yield is shown in the table. 1.

TABLE 1 MONITORING THE NUMBER OF WHEAT SEEDLINGS

Variants	Seedlings per 1m2/pc	Number of stems after winter, m2/pc	Number of stalks before harvesting wheat, 1m2/pc.
N-0, P-0, K-0	450	370	320
N-120, P-120, K-60	475	425	390
N-160, P-160, K-80	580	520	480
N-200, P-200, K-100	550	480	450

The growth and development of wheat (Table 2) shows that on March 1, the difference in growth between the options is not large, however, on April 1, in the option where wheat was not fed (control), the height reached 55.1 cm, with the introduction of N- 120, P-120, K-60 kg / ha it was 6.5 cm higher, N-160, P-160, K-80-11.3, N-200, P-200, K-100 kg / hectare 13.1 cm higher than control, the same pattern was observed for growth and development on May 1 and June 1.

TABLE 2 WHEAT GROWTH AND DEVELOPMENT

Variants	Height, cm				Number, productivity of plants per 1m2 / piece.
	1.03	1.04	1.05	1.06	
1	27	55,1	80,0	86,0	2
2	32	61,2	84,1	96,6	4,5
3	33	66,4	96,0	100,0	3
4	35	68,2	89,0	95,0	3,2

Table .3 shows the indicators for wheat. The length of an ear of wheat in the first and second variants is the same (8 cm), in the third variant by 0.4, in the fourth variant by 1 cm more than in variants 1 and 2 (Table 3).

TABLE 3 SOME INDICATORS OF WHEAT

Variants	Ear length, cm	Number of grains of one spike, pcs.	Grain weight of one spike, gr	Weight 1000 pcs. grains
1	10	33,4	26,7	33,6
2	11,5	38,8	28,9	36,1
3	12	40,2	29,7	39,6
4	12,3	39,1	29,3	40,0

Where wheat has not been fed, the amount of grain reaches 33.4, in the 2nd variant - 5.4; The third variant is 6.4 and on variant 4 it is 5.4 grams more than in the control. With an increase in the norms of mineral fertilizers, the yield of wheat increases (tab. 4).

TABLE 4 PRODUCTIVITY OF WHEAT AND STRAW GRAIN, DEPENDING ON THE DEPTH OF THE SAND ON SOLID GROUND AND THE AMOUNT OF FERTILIZERS, C / HA

Years	Variants	Sand thickness, cm Average by options 50/75
1998	1 2 3	8,4/13,4 19,8/31,6 20,9/33,4
1999	1 2 3 4	9,1/14,6 18,6/29,7 17,2/27,5 19,1/30,5
2000	1 2 3 4	10,1/16,2 21,3/34,0 22,5/36,0 23,3/37,2

Note: the numerator is the straw yield, the denominator is the grain

In addition to the yield, the quality of the grain, wheat, plays an important role. In the control, where wheat was not fed with mineral fertilizers, the amount of protein reached 10.8%, in the variant N-120, P-120, K-60 kg / ha-at 0.2, in the variant N-160, P-160, K -80 kg / ha - 1.9 and variant N-200, P-200, K-100 kg / ha - 1.8% more than in the control variant.

The quality of the bread depends on the gluten content of the wheat grain. In the experience of growing wheat on various backgrounds in terms of gluten content, the difference is as follows: in the control variant, gluten reaches 21.1%, in other variants, respectively, 2.6%; 3.2 and 5.2 more control (Table 5).

TABLE 5 WHEAT GRAIN QUALITY DEPENDING ON THE DEPTH OF THE SCREEN AND THE AMOUNT OF FERTILIZER (AVERAGE OVER 3 YEARS)

Variants	Protein,%	Gluten,%	Fertilizing wheat with nitrogen
1	10,8	21,1	-
2	11,0	24,8	11.02, 9.04.03, 5.05.03, PK-12.03.03
3	13,7	25,6	11.02, 9.04.03, 5.05.03, PK-12.03.03
4	12,6	27,6	11.02, 9.04.03, 5.05.03, PK-12.03.03

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