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## TESTING THE TECHNOLOGY OF OBTAINING TWO GRAINS FROM ONE FIELD IN ONE EAR UNDER PRODUCTION CONDITIONS

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**Abstract.** In this article, methods of growing two crops in one ear by planting moss between rows of cotton and their planting schemes, irrigation and agrotechnical measures are given.

**Keywords:** mung bean, Cotton row spacing, yield, soil, planting method, fertilizer.

**Аннотация.** В данной статье приведены способы выращивания двух культур в одном колосе путем посадки мха между рядами хлопчатника и схемы их посадки, поливные и агротехнические мероприятия.

**Ключевые слова:** маш, междурядье хлопчатника, урожайность, почва, способ посева, удобрения.

The purpose of the experiment: Researches were conducted on the development of technology for efficient cultivation of land, water and mineral fertilizers, two crops growing on the same field. Experiments "Ibrahim Karim" farm in Qalandar Dormon QFY area, Yangibazar district, Khorezm region. Water supply and productivity: Water is taken from the Khaybat internal channel in the Shavat system using 2 SNP 500 pumps. The quality of the soil is 68 points, it consists of meadow swampy soils.

Experiments are conducted according to the following schemes.



The experimental field is a total of 5 hectares, planted with Khorezm 127 varieties. 2.5 hectares are divided into experimental options. The seed was planted on April 13 at the rate of 70 kg per hectare. The sown seeds germinated on April 26. On May 8, 200 kg of saltpeter and 100 kg of amphos per hectare were given to the farm land. Phenological observations were made on June 1. As a result, it was observed that each bush produced 5-6 leaves and the height of the stem was 13.4 cm. In the separately planted version, the height of the tuber was 13.5 centimeters.

Option 1 is based on current agrotechnics. 2nd variant "Pobeda-104" variety was sown on May 28 in a row without cultivation, and it started to germinate on June 2.

4 kg of mung bean seeds were planted in ash at a depth of 4 cm, 15 cm between the rows of cottonwood, 25 cm between the nests in the mush, and 30 cm between the mush rows. The rate of seed germination was 85.4%.

Table -3

Results of phenological observations in Mung beans (planting date 28.05)

№	Phenology	Unit of measure	Date of follow-up		
			01.07	01.08	01.09
	Seeds		germination rate 85,4%		
1	The number of leaves	дона	9,0	24,6	36,0
2	Plant height	cm	7,6	38,7	106,0

3	Number of crop branches	дона	2,5	3,6	10,0
4	The number of flowers	дона	-	10,0	5,0
5	Number of legume	дона	-	0,0	18,0
6	seedling thickness period of operation - at the beginning - at the end	Минг/дона Минг	-	-	66,4 64,7
7	1000 дона дон Массаси (аМал даври охирида)	грамМ	-	-	51

*Table – 4  
Agrotechnical activities on the topic of testing the technology of two harvests from one area in one ear (1 hectare area)*

№	Performed agrotechnical activities	execution time		Amount of expenses, sum
		beginning	End	
1	Plowing land	20.11	20.11	34791
2	Preparation of land for salinity washing	25.11	26.11	
3	1-st salty soil washing	10.12	10.12	
	2-nd salty soil washing	05.01	05.01	
	3-rd salty soil washing	01.02	05.02	
	4-th salty soil washing	05.03	05.03	
4	harrowing with the 1st 2-row zig-zag harrow	01.04	03.04	
	harrowing with the 1st 2-row zig-zag harrow	02.04	03.04	
	harrowing with the 1st 2-row zig-zag harrow	-	-	68133,8
Preparing the land for planting				
5	cleaning of weed residues	04.04	04.04	

6	Applying phosphorus and potassium fertilizers before preparing the land for planting (1 option phosphorus 217 kg/ha, potassium 90 kg/ha, 2-3 option. Phosphorus 217 kg/ha, potassium 135 kg/ha).			
7	1-st time chiseling	05.04	05.04	
	2-nd time chiseling	05.04	05.04	
8	1-чи Мола босиш	05.04	05.04	
	2-чи Мола босиш	05.04	05.04	
	3-чи Мола босиш	05.04	05.04	
	4-чи Мола босиш	-		
9	Sowing seeds (hairy seed 60 kg/ha, hairless - 25-30 kg per hectare)	13.04 60 кг	13.04	21506.1
10	Unify	28.04	29.04	28189.3
11	1-st cultivation	05.05	05.05	66478.6
	2-nd cultivation	20.05	20.05	41541.0
	3-rd cultivation	-	-	-
	4-th cultivation	-	-	-
	5-th cultivation эгат олиш	27.06	27.06	41541.0
	get the main ditch	28.07	29.07	9684.7
12	softening the hard layer of the garden	-	-	-
13	weeding of the field 1st plow	15.07	16.07	46108.2
	2-plow	20.07	21.07	46108.2
	3-plow	-	-	-

5

	4-plow	-	-	-
14	Planting mung bean in the middle of Rut	28.05	01.07	62000.8
15	1st watering	30.06	01.07	6945.5
	2nd watering	14.07	15.07	5601.2
	3rd watering	04,08	05,08	
	4th watering	14,08	15,08	
	5th watering	-	-	
16	1-Fertilization 2-3 nitrogen fertilizers on the leaves of the plant with ammonia nitrate 150 kg/ha or Urea 108 kg/ha	05,05	05,05	42780

17	11 - feeding during grinding. Nitrogen fertilizer is 150 kg/ha of sodium nitrate in physical hair	20,05	20,05	40718
18	111- nutrition in flowering. Nitrogen fertilizer is 200 kg/ha of ammonium nitrate in physical hair	27,06	27,06	110800
19	Deep processing: 1 - time 2 - time	13,06	13,06	11087,8
20	In pest control 1st biological control 2nd chemical control	10,05	10,08	24895
21	Suspension spraying on the 2-4th leaf: carbamide 5 kg/ha,	15,05	15,02	10200
22	In the case of suspension ash raking: carbamide 8 kg/ha,	10,06	15,05	10200
23	Suspension ash during flowering: carbamide 10 kg/ha,	-	-	-
24	cutting the growing area	26,07	26,07	10185,4
25	Defoliation	25,08	25,08	56300
26	1-picking cotton	10,09	14,09	-
27	2-picking cotton	22,09	24,09	-
	3-picking cotton	05,10	06,10	265000
	Transportation to the cotton threshing floor			4090,8
28	plucking the stalk of cotton and weaving it in rows			
29	loading cotton stalks into transport			
30	Preparing the land for autumn plowing			
31	Plowing			
	Total:			1053492

During the period of biological identification of the crop, in which all phases of the growth period of the boll were fully reflected, it was determined that there were 10.2 bolls on each bush, the length of the boll was 97.6 cm, and the presence of 26.2 centners of cotton per hectare. In the conventional method of cotton development, there are 10.3 bolls and 26.5 bolls/ha, and boll length is 97.8 cm. In the case of mixed planting of mung bean and guza, the number of guza bushes decreased from 81,300 to 78,000 at the end of the ear, by 3,300 per hectare. Guza is so suitable in the variant planted separately. 81,300 bushels per hectare at the beginning of the growing season were 78,1 bushes at the end of the growing season and decreased to 3,200 bushels. The phenological observations of the moss (table 3) are reflected in the number of leaves of the moss at the end of the growing season: 36 pieces, 106 cm long, 10.0, the number of dukas is 11. The number of plants per hectare decreased from 7 thousand plants to 1.7 thousand. On average, 3.2 centners of grain was obtained from Mung beans.

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