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Cotton Leaf Feeding on Cotton Fiber Quality Indicators

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Abstract:
In order to develop the period and norms of cotton foliar feeding, Uni-agro liquid nitrogen fertilizer was applied to the growth, development and productivity of cotton in the soil-soil climate of Fergana region. as well as to study the effect of cotton fiber on the quality indicators, as well as to recommend for production.

Keywords: fiber, yield, seed, rate, growth, development, fertilizer, mineral fertilizer, liquid fertilizer, complex fertilizer, soil, suspension, seed, microelement, agrotechnical measures, productivity, micronaire, sample, fiber, fiber quality, average length, short fiber index.

Introduction

Today's in the day Our republic village of the economy Cotton farming in the field current from problems one , top and good quality cotton crop is cultivation . Of this for Our republic under conditions of mineral and organic the grasses acceptable in standards apply important important have is considered Fertilizers efficiency them apply also depends on the terms. From this except farming in the system from cotton plenty and a fairy tale fruit get , cotton fiber quality in raising being used to agricultural activities , of the region soil-climate to the conditions and of the variety It also depends on biology . Today in the day Our republic village economy and in farming modern technological system current is being done while in the world defined and wide being used agrotechnological to standards farming culture and village economy work release reasonable organize requires to reach . Farming culture , first next , soil productivity storage and him to increase focused , available field from unity high good quality and plenty harvest cultivation faith give will receive advanced technological processes current is to reach In this regard next in years somewhat positive affairs done is increasing . Especially in increasing the weight and quality of the cotton crop, the timely and high-quality implementation of agrotechnical measures during the cotton growth period is primarily important for the preservation of the elements of the crop . service does

Uni-agro liquid fertilizer, newly produced by "Ferganazot" JSC, in order to test new liquid fertilizers prepared from local raw materials in our republic , to develop the terms and norms of application, in the conditions of the meadow soil of Fergana region. Studying the effect of treating promising cotton variety S -8290 with gin during the period of 2-3 leaves, tillering and flowering on the growth, development and yield of seedlings and fiber quality and determining the acceptable standards, Experiments are being conducted to recommend for production.

Uni-Agro is a new type of liquid complex fertilizer recommended by Fergana Azot OJSC **" Uni-Agro "** - fertilizer is a fertilizer consisting of the most necessary elements for plant nutrition, which is important for the full development of plants. Liquid fertilizer is a

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complex system and is easily absorbed by plants.

The scientific novelty of our research is that the foliar feeding of cotton, the type of elements used and our liquid nitrogen fertilizer are completely new, and the information obtained is also new from a scientific point of view.

Accurate information about the dosage and duration of the drugs used in the research is obtained, conclusions are made on this basis and recommendations for practice are given.

Experimental system **,** medium fiber S-8290 variety of cotton , according to the standards of Uni-agro liquid fertilizer, each option has 4 rows, the row spacing is 60 cm, the width is 2.4 m. 25 m long, placed in 3 turns based on the following table (Table 1) .

Table 1

T/r	Experience options	During the period of 2-3 chinbarg processing rate of giving	Mothering - blooming, during processing delivery rate, kg, l/ha
1	Control	-	-
2	Suspension (urea, phosphorus, potassium)	5-2-1 kg/ha	7-3-2 kg/ha
3	Uni-agro (Liquid nitrogen fertilizer)	5 l/ha	10 l/ha
4		10 l/ha	15 l/ha
5		15 l/ha	20 l/ha
6		20 l/ha	25 l/ha

In the field experiment, the degree of nodule shedding is monitored on the basis of phenological observations of plant growth and development, and is evaluated by analyzing the changes in the preservation or shedding of nodules for each option.

Based on the results of the research, it should be noted that when treated with Uni-agro, compared to the control option, plant height is 3,8 sm1.5- It was observed that there were 6-2.7 pieces, 0.4-1.0 pieces more.

We can also say that "Uni-agro" liquid fertilizer has a positive effect on the fiber quality, besides increasing the growth, development and productivity of cotton (Table 2).

Table 2

id	* T	Area %	C n t	UHM	ML	Flour	SFI	Str	EU	Mic
1 c	6.7	0.7	26	1.11	0.94	85.2	5.4	36.0	7.2	4.97
2 c	7.0	0.7	27.7	1.14	0.97	84.7	5.6	37.5	7.1	5.00
3 c	6.0	0.6	20.7	1.12	0.95	85.5	4.0	37.4	7.1	4.93
4 v	3.7	0, 4	10.0	1.14	0.99	86.4	4.3	37.5	7.5	4, 9 0
5 v	3.0	0, 4	10.7	1.11	0.9 9	86, 5	4, 2	3 7 ,3	6.8	4, 8 0
6 c	6.3	0.6	24.7	1.10	0.93	84.4	5.1	36.7	6.4	4.93

*(**T**) Trash code—— degree of contamination with non-fiber impurities
(**Area**) Trash Area— an area of dirty mixtures
(**Cnt**) Trash count— Dirty mixtures the number
(**UHM**) Upper Half Mean Length— high average length
(**ML**) Mean Length— average length
(**Un**) Uniformity Index— length according to one difference index

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(**SFI**) Short Fiber Index— short fibers index,
(**Elg**) Elongation— at break prolongation
(**Mic**) Micronaire — Micronaire indicator

This is especially true for "Uni-agro" liquid fertilizer at rates of 10 l/ha, 15 l/ha and 20 l/ha during the period of 2-3 leaves, and 15 l/ha and 20 l/ha during the flowering period. We can see that the rates of l/ha and 25 l/ha (options 4-5-6) performed better than the control.

In conclusion, we can say that fiber quality indicators (**T**) Thresh code —— level of contamination with non-fiber impurities 2-3 per hectare in the period of 10 l/ha in the period of pine leaves, and 15 l/ha in the period of flowering and flowering (5 options) showed good performance compared to other options.

In addition, we can see that the area of dirty mixtures (**Area**) indicator has the most minimal, positive indicator in 4-5 options. On the contrary, 2-3 chinbarg 20 l/ ha during the flowering period during and 25 l/ ha , and in (option 6). control option relatively more negative the result note did

Dirty mixtures number — (**cnt**), high average length — (**UHM**), average length — (**ML**), length according to one difference index — (**Un**), short fibers index — (**SFI**), in interruption Elongation — (**Elg**) indicators are also control and another to options relatively good in option 5 to indicator have that it was let's see can _ Microneur indicator — (Mikronare (**Mic**)) option 5 (compatible 10-15 l/ ha) at most good the result showed if so , to control in the 2nd variant (suspension). relative to the standard a relatively low result that he gave let's see can

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