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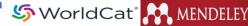
















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Research Article

STUDYING THE EFFICACY OF ALLCHUNGKILL CYC.K. AGAINST CITRUS CITRUS WHITEFLY (DIALEURODES CITRI ASHM.) IN CULTURE **LEMON**

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ABSTRACT

This article provides data on the harmfulness, distribution and lifestyle of citrus citrus whitefly, which in recent years has been a harmful object in our republic. In order to determine the effectiveness of insecticides against citrus citrus The whitefly first introduced observational work based on lemon pheromones. On this basis, in three variants, tests were carried out on Allchungkill preparations. cyc. to. 0.35 - 0.4 l/ha., (reference) Emaben, 5% SDG. 0.4 kg/ha. The highest efficiency was observed in the variant where Allchungkill was used. cyc .to . 0.35 - 0.4 l/ha . In this variant, the efficiency was 7-day 86.1-87.7%.

KEYWORDS

Lemon, wrestling, citrus okkanoti, effectiveness, pesticide, research, results, biological effectiveness.

INTRODUCTION

Lemon is a citrus fruit, the fruit of the small evergreen Citrus tree. lemon. It grows in the subtropics of the

Mediterranean, the USA, Mexico, Argentina, the countries of the Caucasus, Central Asia, etc.

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The word "lemon" in Russia appeared at the end of the 16th century and was borrowed from the Persian language. However, this fruit became truly popular in Russia a little over a hundred years ago. In Russia, lemon slices are added to tea. What happens as a result, in the West, by the way, is called "Russian tea". In Russia, another tradition incomprehensible to the West has developed - to bite vodka and cognac with lemon. However, you should not tell the French about the Russian way of drinking cognac: take pity on their nervous system.

It is generally accepted that lemon is very useful because of the large amount of vitamin C it contains. But there are many other useful substances in lemon. The fruit pulp contains citric and malic acids, pectin, copper and potassium salts, phytoncides, vitamins P, B and carotene.

In some cases, lemon can cause an acute allergic reaction in a person. This is due, for example, to the treatment of lemon trees with various chemicals to protect them from pests. This is why lemons should be washed well before drinking. Also, lemon is not recommended for people who suffer from high acidity and various diseases of the gastrointestinal tract. If you have a very inflamed throat or nose during a cold, lemon juice will cause severe irritation of the nasopharynx, exacerbating the situation. Also, lemons should not be carried away by hypertensive patients and people suffering from pancreatitis.

One of the ways to solve this problem is the selection of the most effective, less toxic and fast-acting drugs.

The goal set before us in 2021 was to test the new drug Allchungkill cyc .k (LLC " Bow Co., LTD ", Korea-Uzbekistan) against citrus whitefly on a lemon.

REVIEW OF THE LITERARY

Citrus citrus whitefly - (Dialeurodes Citri Ashm.) Until 1986, on the territory of Uzbekistan, the main harmful species of citrus was citrus whitefly was considered a greenhouse whitefly (Trialeurodes vaporariorum), but another, more dangerous species, the cotton whitefly (Bemisia tabaci). It was first discovered in 1986 in the cotton-growing regions of Turkmenistan. From where it crossed to the territory of Uzbekistan and as a result, 33 thousand cars were damaged in the Khorezm regi<mark>on. hectares of lemon, of which 7 thousand</mark> hectares are heavily. (Danzig et al. 1988).

In the conditions of the Tashkent region, mainly citrus whitefly is found. The pest prefers subtropical conditions - moderate temperatures and high air humidity (Khoshimov, 1988). Tobacco citrus whitefly is more resistant to environmental conditions, which does not stop its development throughout the growing season, on agricultural crops (Khodzhaev, 1991).

One of the main methods of combating the whitefly on cotton is chemical. However, rapid addiction to pesticides, resistance draws attention to the issue of finding new methods of combating this pest. (Kimsanbaev, Zakhidov, Kadyrov, 1997).

One of the main methods of combating citrus fruits is citrus whitefly on a lemon, is a chemical. However, rapid addiction to pesticides makes us pay attention to the issue of finding new drugs to combat this pest.

RESULTS OF RESEARCH

Allchungkill test results cyc.to ("BowCo., LTD » Korea -Uzbekistan) for lemon against citrus whitefly at a rate of 0.35 -0.4 I/ha in Table 1.

VOLUME 04 ISSUE 05 Pages: 22-25

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24

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Whence it can be seen that the highest rates of biological effectiveness against the citrus whitefly were observed at a rate of 0.35 - 0.4 l / ha and amounted to 86.1-87.7%. On the 7th-14th day, the efficiency decreased sharply and amounted to 82.3-82.9%, 75.2-76.5%, respectively.

Standard Emaben, 5% SDG (standard) at a rate of 0.4 I/ha, the biological efficiency on the 3rd day after treatment with the drug, the maximum effect was 83.1%. On days 7-14, the biological efficiency is 78.5% -73.0%.

Table 1 Biological effectiveness of Allchungkill cyc.k against citrus whitefly on lemon

(farm "Faradis Khirmoni" of the Yukorichirchik district of the Tashkent region on May 25, 2021)

No.	Options	Consumption rate g/ha	Number of citrus	The number of pests per plant (ind.)			
			whiteflies per plant before the experiment, ind.				
				3 days	7 days	14 day	21 days
1.	Allchungkillcyc.k	0.35	29.1	4.5	5.8	8.5	12.1
2.	Allchungkill cyc.k	0.4	28.5	3.9	5.5	7.9	10.8
3.	Emaben, 5% s.d.g (reference)	0.4	27.6	5.2	6.7	8.8	12.8
4.	Control without processing	コンシスト	29.5	32.9	33.3	34.8	35.7
Biological efficiency (%)							
1.	Allchungkill t cyc.k	0.35	29.1	86.1	82.3	75.2	65.6
2.	Allchungkill cyc.k	0.4	28.5	87.7	82.9	76.5	68.7
3.	Emaben, 5% s.d.g (reference)	0.4	27.6	83.1	78.5	73.0	61.7
4.	Control without processing	-	29.5	-	-	-	-

Volume 04 Issue 05-2022

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CONCLUSION

Allchungkill drug cyc .to It has good biological efficiency against citrus whitefly on lemon at a consumption rate of 0.35 - 0.4 l/ha. The working suspension forms well. Phytotoxicity was not found.

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