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FERGANA IN THE VALLEY BEING CARED FOR BEES RACES COMPOSITION AND BEE BREED SELECTION

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Abstract
The choice of bee breeds in beekeeping depends on the purpose for which the bee colony will be used. If a bee colony is to be acquired for the purpose of producing commercial honey, it is advisable to select bee breeds that produce a lot of honey.

Keywords: Bee breeds, breeding, Central Russian, Carpathian, Italian, Carnic, Buckfast, queen bees, productive, 1st and 2nd class, race, population, hornet, package, tergite, cubital.

Introduction

The choice of bee breeds in beekeeping depends on the purpose for which the bee colony will be used. If a bee colony is to be acquired for the purpose of producing commercial honey, it is advisable to select bee breeds that produce a lot of honey.

Today, in the Vody regions, along with the local population of bees that produce a lot of honey, bees of the Central Russian, Carpathian, Italian, Carnic, Buckfast breeds are widespread. Selection of highly productive bee colonies is carried out mainly in the fall. In order to improve the bee breed and increase the level of productivity, highly productive bee colonies that fully meet the requirements of the 1st and 2nd classes are used. If there are no bee colonies of such a class, then good families of the 3rd class can be used for breeding groups. For breeding work in farms, 20-30% of the total bee colonies in the apiary and 10-15% of the bees in the apiary belonging to the original breed nucleus from the productive farm are allocated.

LITERATURE ANALYSIS AND METHODOLOGY

Bee colonies were first brought to our republic from Russia at the end of the 19th century and were most likely the Central Russian bee race. 20th century on their heads originally from the Caucasus region many in quantity bee families take bride started . passed in the 70s-80s of captivity Valley More than 200 in the regions beekeeping to farms Carpathian and gray Caucasian bees families in large numbers take This is the first time . in turn Valley in the regions beekeeping field for basis to be service did .

Later former union during that is, Italy in 1970-1974 to the race belonging mother bees take Italy honey bees of blood interference early in the spring bee their families fast and good quality development , families fast developed big bees population to create opportunity gave .

This is it . in turn valley provinces in the territory packaged beekeeping to develop ground created However , this of bees productivity indicator big It wasn't . The bees whole power and attention generation to cultivate rated it . Also honey assembly They are also in season mother bees egg to

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eat limiting did not put .

In our area first in years Italy breed of race use during to them relatively increased demand went . Time later , later and bee packages from customers this yours honey productivity low and to the street to go out tendency height because of this to the breed relatively high demand decreasing But Italy in the breed belonging bees to the local beekeeping contribution adding managed and local to the bees jaundice and exit signs from them past proved . Current until today of bees yellow in color to be feature some in the regions preserved the rest .

20th century last in the years Germany Karnika breed from the state beekeeping Karnika race from farms mother bees take bride from them positive results olina started and the Karnika race valley in the regions talk a lot works high results give started . This is a how many high indicators reason it has been .

These are: mainly

I- Bees this to the breed in the regions high demand and for export directed .

II- Valley of the regions mountain and desert effective in areas multiplication opportunity the presence of bees tendency to move one a little decline , family growth accelerated and other economy symptoms , diseases and regions climate to the conditions adaptation improved .

III- The main thing local in the population bee to their families relatively all in indicators high productivity . Honey product assembly work local in the population to the bees by 30-40 percent compared to increase all beekeepers by high was evaluated .

RESULTS AND DISCUSSION

Of experiences as shown by the Carnic bees of race use honey productivity by 30-35 percent increase opportunity gave and all economy indicators useful signs improvement observed . Next in years Up to 4,000-5,000 in our republic productive seeded mother bees take bride if so , their 65-70 percent of the elderly valley to the regions right is coming .

Bees known one to the breed suitable arrival and bees exterior indicators . (Fergana valley within the territory)

Sample No.	Khartoum length , mm		Tergite 3 width, mm		Cubital index , %		Tarzal index , %		Disco shift , %		
	M+t	CV %	M+t	CV %	M+t	CV %	M+t	CV %	+	oh	-
No. 1	6.68+0.02	1.2	4.78+0.02	2.3	38.2+0.92	13.1	57.8+0.21	2.0	83.3	16.7	-
No. 2	6.46+0.16	3.7	4.71+0.02	2.0	48.6+1.30	14.8	58.6+0.33	3.0	63.3	23.4	13.3
No. 3	6.50+0.03	2.7	4.76+0.03	3.1	43.8+1.37	17.2	59.4+0.38	3.5	63.3	23.4	13.3
No. 4	6.49+0.02	2.0	4.74+0.03	2.9	42.3+1.39	18.0	58.5+0.48	4.5	33.3	30.0	36.7
No. 5	6.65+0.02	1.9	4.73+0.02	2.5	42.3+1.05	13.6	58.4+0.49	4.6	40.0	26.7	33.3
No. 6	6.63+0.03	1.9	4.86+0.02	2.4	42.2+1.04	13.5	58.0+0.28	2.6	83.3	16.7	-
Carnic race standard	**6.46.7**		**4.5-5.0**		**45-50**		**53-58**		**positive**		

Transferred test results this shows that Fergana in the valley bees carnica races according to held selection works last in years his/ her own positive the results is giving .

Valley climate under the circumstances bee their races fogging-various in the regions natural-climate juicer in conditions plants sphere noticeable at the level from each other difference always

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makes bees known one race multiplication for It cannot be considered worthy . So the situation in consideration take beekeepers by to our area various race bees take They are entering .

In some regions, the breeding of 2-3 races, their relocation, the replacement of queen bees, the purchase and sale of packages, etc., are factors that contribute to the rapid crossbreeding of bees. As a result, crossbreeding leads to the deterioration of the initial breeding qualities of bee breeds during selection work.

In countries where beekeeping has been rapidly developed, the import and breeding of bee breeds that are not suitable for the region is strictly regulated for the development of beekeeping. A breeding strategy has been developed and popularized in the industry. In these regions, the economic performance of bees is systematically improved, and the morphological and anatomical characteristics of bees are improved and consolidated. As a result, breeding work in beekeeping has been significantly developed, which in turn allows for an increase in the quality of bees and the purchase of queen bees in the breeding sector. The lack of understanding by some beekeepers creates problems for breeders and causes significant damage to the beekeeping sector. In recent years, several valuable bee species adapted to certain natural climatic conditions have begun to be bred in our Republic, such as the Carpathian, Buckfast and Krainka breeds. These bees have shown their positive qualities in the apiaries of our regions. sides show began . To these people belonging bees biological and economy useful indicators into account received without right just use in our regions the field successful to develop guarantee gives.

Conclusion

Valley in the regions apiaries, as well as mother bee and packaged bees with cultivation, export practitioner specialized breeding farms by bee their breeds fogging plan execution for various in the regions races relentless accordingly take to enter stop and certain races number restriction in the eye caught was. But the practice this shows that valley provinces inside or one kind natural honey assembly to the conditions has was in the territories productive, climate to the conditions suitable and to diseases of endurance high indicators with separated standing one kind in race bees cultivation Also , bees pure in case reproduction control and from the outside other races take bride prohibition necessary .

Fogged races storage , maintenance and multiplication works with scientific institutions , laboratories , breeding farms They are engaged in this. opportunities limited-only beekeepers to the mind known at the level impact shows Hello . In the regions beekeeping their races fogging to the plan negligence with in a relationship to be breeding Farms are also responsible . In this, from the reproducers mother bees remove sent , packages goods for payment done increase as a result uncontrolled for sale and bees of the breed fogging plan is broken . Therefore for breeding for recommendation done bee their races to keep , breed and offspring improvement and multiplication for effective technologies current finally , firmly measures see and Control is important . This species of bees in the room Carpathian and Caucasus of species positive characteristics embodied It is considered that the winter endurance middle Russian from a bee then Peaceful , early from spring develops , less is rated (average 30 %), rating from the situation fast comes out and good nectarous to plants flight fast Honey before seed to the Romans , then additional in the room framed to the nests Carnic bees in reserve food less consumption did without how much big not happened good for families too These bees hibernate . with its own climate winter cold and honey assembly

season short was central Europe beekeepers in the middle very famous

REFERENCES

1. Isamuhamedov AI Nikadamboev HK Beekeeping develop Fundamentals . Tashkent. " Sharq " Publishing House , 2013.
2. Krahotin NF in Uzbekistan Beekeeping . Tashkent. 1991.
3. R. Jamolov, O. Turayev, D. Khatamova . " Beekeeping " Fundamentals ", Educational manual . 2022. Fergana . " Classik " publishing house . (pp. 55-57)
4. Kakharamonov B., Isamuhamedov A., Ballasov U., Ergashev S., Turaev OS Personal assistant , farmer and farmer farm Beekeeper . Tashkent, 2009.
5. Nujdin AS Tutor pchelovodov , Moscow. " Colossus ", 1984.
6. Uzbekistan under the circumstances mother bees artificial fertilization Technology RQ Jamolov, OS Turayev . "Fan Ziyosi " publishing house methodological Handbook . 2021 (pp . 28-33).

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