

ZDRAVA PCHELA

(HEALTHY BEE)

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Newspaper



**"PRIMAVET-SOFIA" Ltd
IS A FIRST PRIZE
WINNER
ON THE INTERNATIONAL
EXHIBITION
APICULTURE-PLEVEN
2007
FOR INNOVATION
IN BEEKEEPING**



**Natural product
for prophylaxis and
treatment Varroa disease**



The medicinal form Ecostop represents plastic plates made of natural minerals. Each plate contains 5 g of thymol and 2 ml of peppermint oil. An advantage of the new medicinal form created is that the liberation of vapours of thymol and peppermint oil is implemented based on the physicochemical properties of the carriers and does not depend on the environmental factors. Thus, the active substances are liberated gradually and uniformly as opposed to the direct use of the thymol and peppermint oil for treatment of varroaosis in beekeeping where the evaporation depends on a number of factors connected with undesirable side effects on the different categories of bees. The effective duration of the medicinal form Ecostop covers the development cycle of the mite *Varroa jacobsoni*, and the mites emerging with the emerging bees are also destroyed. Thus, by means of an optimized pharmaceutical approach, a medicinal form with durable action of the active substances was created, in result of which the efficiency of thymol and peppermint oil against the mite *Varroa jacobsoni* was increased.

The medicinal form Ecostop proposed to beekeeping ensures exact dosage and a convenient way for application with a minimum consumption of labour and time on the part of beekeepers.

Application:

The folio package shall be torn and the plates shall be taken out immediately before use. The plates Ecostop were placed upon the chamber frames above the brood.

Dose:

Depending on the strength of bee families and the degree of infestation by parasites, 1 to 3 plates are administered to a bee family and kept in the hive for 45 days.

Action: With preparation "Ecostop" actively going substances Thymol and Oleum Menthae Piperithae, included in Ecostop - plates liberate under form of steams and have an medicinal effect for long time period.

Stems of Thymol and Oleum Menthae Piperithae have an acaricidal effect toward agent of Varroa disease on the bee, the acar Varroa. With these substances fumigation of bees leads not only to dropping out of acars but increases duration of life of the sick bees. Thymol and Oleum Menthae Piperithae have bactericidal characteristics and decreases vastly microbe's infection of bee's families.

Ecostop - plates is a biological product specially developed in convenient, easy applicable, with good tolerance and high effectiveness medicine's form for application of Thymol and Oleum Menthae Piperithae against Varroa disease on bee's families.

PRIMAVET



SOFIA

**Care for bee
and beekeepers**



NOSESTAT - SOLUTIO

Application and dosage: Internally with feeding up sugar syrup (1:1) or honey-sugar-dough. The contents of phial No 1 (80 cm³) and No 2 (20 cm³) has to be well shaken and than mixed, as contents of phial № 2 has to be added to phial № 1. To 1 l sugar syrup or 1 kg honey-sugar-dough, have to be added 5 cm³ or above mixture.

Treatment with prepared curative syrup 3 times in 3 days with 500-800 cm³, as after a week repeat the same scheme.

Treatment with curative honey-sugar-dough should be done with 200-300 gr. After taking it, the treatment could be repeat.

Application of Nosestat – solutio should be done not later of 7 days from the beginning of honey accumulation.

To avoid overdosage of Nosestat use measure syringe in the packing.

Contents: Iodum 4.0 g, acidum formicicum 5.0 g, Glycerinum, Kalii iodidum et Tinktura Mentae ad 100 ml.

Effect: Nosestat is a drug against bee nosematosis. The effect is due to antiseptic effect of containing in it iodum, kalii iodidum and acidum formicicum. The medicine contains substances, which stabilize it and give it aroma for better adoption from the bees. Nosestat is well dissolved in sugar syrup.

Indications: For treatment and prophylaxis of nosematosis at the bee families.

The preparation Nosestat is applied against nosematosis on the old bees as prophylactic and treatment's means in spring and autumn. The preparation is applied medicinally against the cause (nosematosis's parasites and their spores) in the disease bee, as kills the cause in the bees and decrease their infection. The measures against the disease include leading of disinfection, hygiene, narrowing and warm of bee families.



EFFICIENCY OF NOSESTAT AGAINST NOSEMATOSIS IN BEES K. Gurgulova, I. Zhelyazkova, K. Malinova

ABSTRACT An experimental clinical test of efficiency and determination of the harmful action of the product Nosestat has been carried out. The experiments have been conducted during the period of June-July 2005 on 35 bee colonies naturally infested with *Nosema apis* and originating from an apiary with manifested latent form of nosematosis.

Nosestat efficiency of 76.3% has been found at the administration of a dose of 5 ml/l at triple treatment at intervals of 3 days, and after a treatment repeated 7 days later using the same scheme – 94.20%. At the second treatment, some colonies have fully got rid of the *Nosema* spores, and a considerable reduction of the infestation level of the bees with *Nosema* spores has been recorded for other colonies. The untreated infested bee colonies have fallen behind the treated ones in their development, and the infestation level of their bees with *Nosema* spores has increased. No toxic action on the bees, queens and brood has been found.

VAROSTOP - STRIPS AGAINST VARROA DISEASE AMONG BEES

The good tolerance to Varostop, its easy application makes it preferable for the control of Varroa.

Varostop shows a high effectiveness against Varroa. Effectiveness up to 98.6% is achieved after a 35-day exposition.

Each strip contains 3,6 mg Flumethrinum.

The included synthetic pyrethroid (Flumethrinum) in the contents of Varostop – strips is with reliable contacting acaricide effect against the agent of Varroa disease. It possessed high acaricide activity – up to 100%. It paralyzes the nervous system of the mites and strongly decreases their population.

The Flumethrinum shows strictly selective effect towards the mite and does not have any harmful effect upon the bee families.

Dosage:

The dose depends on the strength of the bee family.

For prophylaxis:

Applying from 1 to 2 strips.

For treatment:

Young end slightly affected bee families – 1 to 2 strips.

Normally developed bee families – 2 to 4 strips.

The strips stay 35, but not more then 6 weeks.

For diagnosis of the Varroa disease – at the bottom of the hive shall be placed white paper. The strips stay 24 hours.



Application: The folio package shall be torn and the strips shall be taken out immediately before use.

They are placed between the honeys – combs in the center, as they are hanged up between the frames





STARTOVIT STIMULATOR FOR BEE FAMILIES

STARTOVIT by the sodium and chlorine ions, cobalt and phosphorus stimulates the laying of eggs of the Queen and for the efficient work of the bees. That way the development of the bees families is accelerated to optimum during the spring and the production of bee products increases. The application of the preparation at strongly developed bee families during the spring could lead to swarming in some bees. STARTOVIT could be used at weak and average strong bee families for optimization and acceleration of their development until the first collection of pollen. During the first half of the summer: At strongly developed bee families for creation of deviation (new bee families). During the second half of the summer: For support of the eggs laying of the Mother and the strength of the bee families.



APITONUS

CARBOHYDRATE
FOOD FOR BEES
(STIMULATING)

"APITONUS" is candy composed of sugars and building substances – an amino acid (methionine) and tocopherol (vitamin E). The bee food "APITONUS" will complement the quality and quantity of the food stores of the bee colonies during the winter and the winter-spring season.

PROBUDA

Concentrate to be added to the spring candy for the bees. Contains proteins, vitamins and mineral substances. A concentrate necessary to obtain a solid or liquid mass for spring stimulating feeding.



FUNGISAN BIOCIDE SOLUTIO

Fungisan contains quaternary ammonia compound with well-expressed fungicide, antiseptic and washing effect. The preparation acts suppressing to the growing of the fungus *A. apis* that is a reason for auxosporosis (lime brood) at bee families. It possesses high efficiency, high tolerance and it is not toxic for the bees.

Indications: For disinfection and preventing against aspergilosa (stone brood) and auxosporosis (lime brood) at the bee families.



“PRIMAVET – SOFIA” LTD

was founded in 1994.

Subject of activity: Development, production and trade of veterinary products and pet's cosmetics.

Development of cosmetics products based of bee's products.

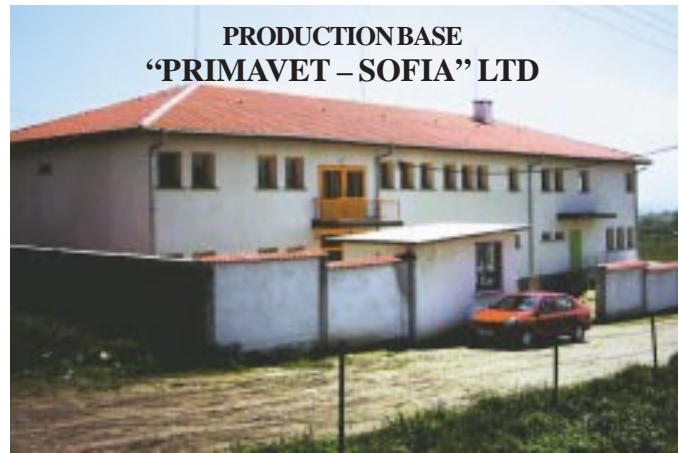
Production capacity: GMP – certificate for manufacturing of non-sterile veterinary products.

Production base: Utility building /1000 m²/;

Location – Herakovo /near Sofia/; Operation exploitation since 2004; GMP licence for manufacturing since 2004.

Trade office: Location Sofia

Vet pharmacy: Location Sofia



PRODUCTIONBASE
“PRIMAVET – SOFIA” LTD

VITA (EUROPE) LIMITED

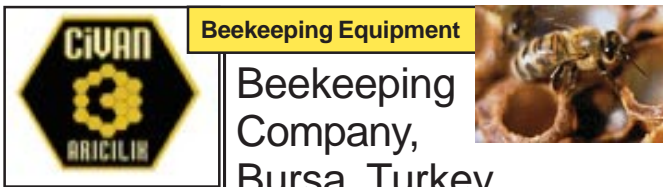
Vita is a vibrant British company dedicated to the beekeeping industry, developing and manufacturing a range of bee health products used for the control of parasitic mites on bees.

Vita also develops and manufactures a range of Vita Diagnostic Test Kits against such diseases as American and European Foulbrood.



Trade collaboration:

- Civan - Bursa, Turkey
- Vita (Europe) – United Kingdom



Beekeeping Equipment

Beekeeping
Company,
Bursa, Turkey



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