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First Ever Lure For The Oriental Fruit Fly Female

Published on April 22, 2017

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Dr. Nimrod Israely

Founder and CEO of Biofeed Ltd. and The Fruit Fly Research Institute, Keynote Speaker

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New development of Biofeed revolutionary patented GCFR (gravity controlled fluid release) platform to control pests in a sustainable efficient and cost efficient manner. While our Mediterranean Fruit Fly solution is fully commercial and in use since 2016, we work harder than ever to develop similar solutions to other fruit fly families, as well as mosquitoes and other pests.

Today, I am proud to share the outstanding results of the Oriental fruit fly control project, launched with the support of the Grand Challenge Israel-Canada project and executed together with our extraordinary Indian research partners from Kempmann Bioorganics LLP.

Three weeks ago, and after only 6 working months, we commenced the commercial field tests in several mango orchards and sites around India. One of the most innovative developments in this solution is that we aim at targeting and controlling both **males** and, for the first time also, **females**.

Final results, including comparative rate of infestation, are expected within a few weeks.



Messaging



Video: *Bactrocera dorsalis* / *Bactrocera invadens*: female and male controlled by using the Biofeed patented GCFR technology.

In 2016 we developed and field/commercial tested 3 pest control products:

Ceratitis capitata - 20 to 40 units per hectare. Fine-tuning and decreasing lure release and volume by 70%. (development period - 6 months)

Ceratitis capitata and *Bactrocera dorsalis* - 30 to 50 units per hectare (development period - 3 months).

Dacus ciliatus - initiating field/commercial experiments (development period - 6 months).

Bactrocera dorsalis / *Bactrocera invadens* - expected 10 to 30 units per hectare. (expected development period - 8 months).

*The above short time development mark a
new era; an era of under 1 year development,
of environmentally friendly pesticides
products, based on the release of lures and
effectiveness period in the scale of 200 to 400
days.*

Please share your thoughts in the comments section below, as I learn just as much from you as you do from me.



Messaging



Biofeed Founder and Chairman

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Dr. Nimrod Israely

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7 Comments



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Abdurabi Seif • 1st

Integrated Crop Management Specialist for Horticultural Crops

Congratulations Nimrod. That is great achievement in such a short time scale. What could be the price in US dollars per unit? Wondering whether smallholder mango growers in Africa could afford the baits/traps.

2y ...

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Dr. Nimrod Israely • You

Founder and CEO of Biofeed Ltd. and The Fruit Fly Research Institute, Keynote Speaker

Hi **Abdurabi Seif**, at this stage we are still working on finding out the required number of units per hectare and other important characteristics. Actually I think that the more important number is the combination of the price per hectare and the quality of control achieved, i.e. rate of infestation. The other question is, by how much they will increase their income? If fruit production is increase by 25 to 50% and export will become an option then the effe ...see more

2y ...

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Abdurabi Seif • 1st

Integrated Crop Management Specialist for Horticultural Crops

Thanks **Nimrod** Israely for your quick response. I fully agree with you on economics of use of the product. Please inform us once you work out in your field trials the optimum number of units per ha though this will be dependent on the severity of fruitfly infestation and the use strategy: monitoring and/or annihilation of the pest. By the way is the bait specific to D. dorsalis? Once again thank you.

2y ...

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Junaid Hyder Shah • 1st

1.C.E.O. Hyder Shah Fruit Farms. 2.C.E.O Hyder shah Mango Hot Water Plant. 3. M.D.Global Poultry Farm (E.C).

Congratulations Dr. Would you please share more details about it.

2y ...

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Founder and CEO of Biofeed Ltd. and The Fruit Fly Research Institute, Keynote Speaker

Such as? **Junaid Hyder Shah**

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