



Search



Pilar Olivares/Reuters

## Mosquito-Borne Disease: a Change of Paradigm is a Necessity

Published on June 26, 2016

[Edit article](#)[View stats](#)**Dr. Nimrod Israely**

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

[29 articles](#)

I am a great believer that the future of pest control is in no way 'more of the same', that is - pesticide spraying. The best alternative is a skillful use of semio-chemicals. Some of the arguments can be found in [my previous post](#).

On November 2015, there was a meeting of the IOBC-WPRS. This year's meeting was titled *[Pheromones and other semio-chemicals in integrated production](#)*.

This was a fabulous opportunity to meet world leading experts in the field of slow-release technologies, semio-chemicals and its use for pest management.

At this occasion I had the privilege of presenting Biofeed's technology before this extraordinary highly professional audience. I remember asking myself 'these scientists have already heard and seen it all, how can I enrich them?'.

Then it hit me, 'let's ask **them**, the experts, what do they think is missing, why out of the total of 2,500 known semio-chemicals, only 20 are used for pest management, and mainly, what is their vision for **The Perfect Slow-Release Delivery Platform?**'.

And so I did. Following the presentation and based on the audience answers, I have created a short list of *desired characteristics* of the "perfect" slow-release delivery platform.

Plotted below is that result list. The list is analyzed against 3 different, available slow-release platforms.



Messaging



It is my educated claim that **the same desired characteristics** required for *the perfect slow-release delivery platform* for use in agriculture, will also apply for use in medical entomology, such as for mosquitoes' control.

Let's remember that this is not at all a scientific theoretical debate. Developing a better slow-release platform is an urgent matter. It is the difference between continue using limited slow-release technologies, that all in all leaves us with the major pest control alternative of chemical (poisoning) spraying, **or** to move forward towards a new technology.

Albert Einstein defines **Insanity** as:

**"doing the same thing over and over again and expecting different results"**

Biofeed, who is developing (and using in its products) the SFR platform, with all of its related benefits, believes it is up to us to write the future; the future of human health as well as the environment. The future of hundreds of millions of people - dying due to ineffective mosquito control, getting sick due to excessive use of pesticides or starving due to lack of food which was destroyed by pests.

**Here are some of our strategic goals:**

- **Improve pest control**, without the use of spraying.
- **A simple to use** and cost-effective technology.
- **Year-around continuous** and at similar activity level, pest control.
- **Labor saving** with as few as 1 to 10 units per hectare.
- **Short development** time for any additional pest, at a low cost.
- **All weather** technology.
- **Suitable for** agriculture, forestry, gardening, urban sanitary, etc.

To move **forward fast** Biofeed requires financial as well as scientific support. If you think you can help do not hesitate to contact me directly.

If you like it, please ... **Like, Comment and Share**



Messaging



## Dr. Nimrod Israely

Founder and CEO of Biofeed Ltd. and The Fruit Fly Research Institute, Keynote ...  
Published • 3y

29 articles

+ Follow



Like



Comment



Share

21 • 4 Comments • 2 Shares

### Reactions



+13

### 4 Comments



Add a comment...



**Francis C. Bosah, TIPM.** • 1st

African Director and Technical Manager @ICB Pharma, Poland | African Pest Management Space DISRUPTOR

Pesticides will never be robust enough for sustainable mosquito suppression. There has been a paradigm shift and soonest pesticide will be a thing of the past in achieving pest management bottomlines.

3y ...

Like Reply | 2 Likes

**Francis C. Bosah, TIPM.** • 1st

African Director and Technical Manager @ICB Pharma, Poland | African Pest Management Space DISRUPTOR

I believe majority of the bed nets will either be converted to fishing nets (by the local recipients who see the nets as lighter in weight than their conventional fishing nets) or never be used at all because of the humid conditions associated with the tropics. Many people especially people with respiratory challenges will never want to sleep under the nets. And for maximum utilization of the bed nets as a mosquito abatement/suppression tool, the greater majority of the people in a particular env ...see more

3y ...

Like Reply | 1 Like • 1 Reply

**Dr. Nimrod Israely** • You

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

when the concentration of the 'smell' is growing there is no effect on people and no risk involved.

3y ...

Like Reply

Load more comments



## Dr. Nimrod Israely

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

### More from Dr. Nimrod Israely

Ethiopian Airlines Pilots and African Farmers  
Dr. Nimrod Israely on LinkedIn

The Most Underestimated Virtues  
Dr. Nimrod Israely on LinkedIn

We Are What We Inspired  
Dr. Nimrod Israely on LinkedIn

It's all about [our valuable] LIVE  
Dr. Nimrod Israely on LinkedIn

See all 29 articles



Messaging



Messaging