LIGHT TRAPS FOR OSTRINIA NUBILALIS: Trapview AURA SC

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Purpose of experiment:

The aim of the trial is to find out which one of experimental light traps is most suitable to monitor European corn borer (*Ostrinia nubilalis*). Through experiment we will find out which type of light trap is most successful in attracting and retaining the pest.

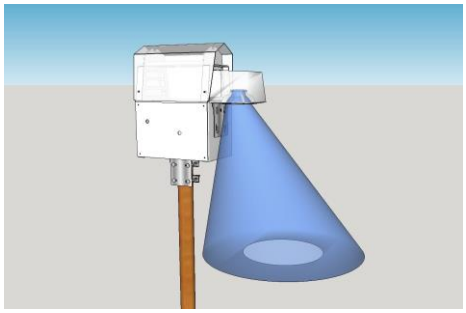
1. TRIAL TECHNICAL INFORMATION

Monitored pest: Ostrinia nubilalis, European corn borer

Crop: corn

Type of traps in the experiment: VERTICAL SC, CONE-NET SC

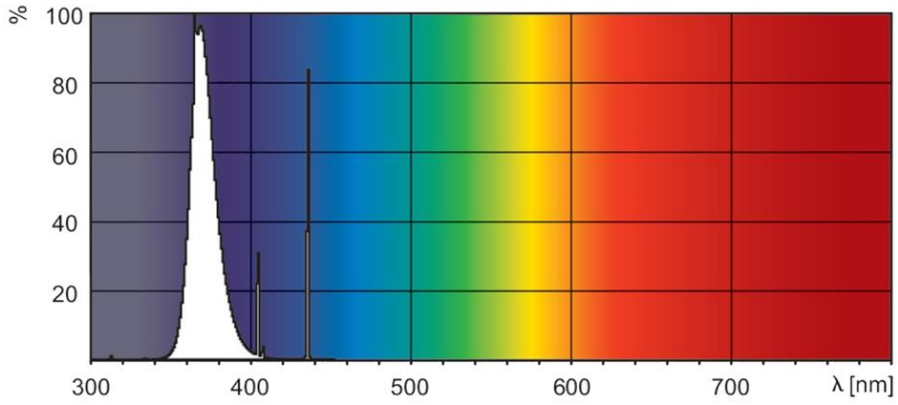
Serial numbers of Trapview traps: S011844, S08920



Lure(s): Ostrinia nubilalis Biogard pheromone and lights Philips ACTINIC BL TL 40W, Philips ACTINIC BL TL 15W

Features:

- Emit long-wave UV-A radiation in the 350-400nm range
- UV-B/UV-A ratio less than 0.1% (UV-B 280-315nm)
- 100% Lead free
- Low mercury
- Wide power range



Distance between the traps: traps were placed about 300m apart.

2. TRIAL CONFIGURATION

Start of experiment: 28.6.2023

End of experiment: 19.9.2023

Location(s): Lurano

Trap location:

Trap installation:

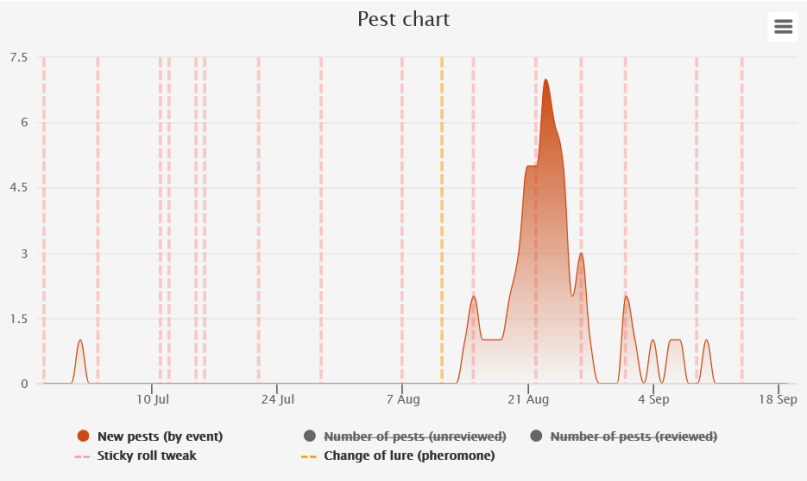
3. INTERMEDIATE TRIAL OBSERVATIONS

At first lights lit between 00:00 and 3:00, from 12.7.2023 onward lights lit between 22:00 and 3:00.

Trap was well maintained. Sticky roll slipped a little, but was quickly repaired with self-cleaning command.

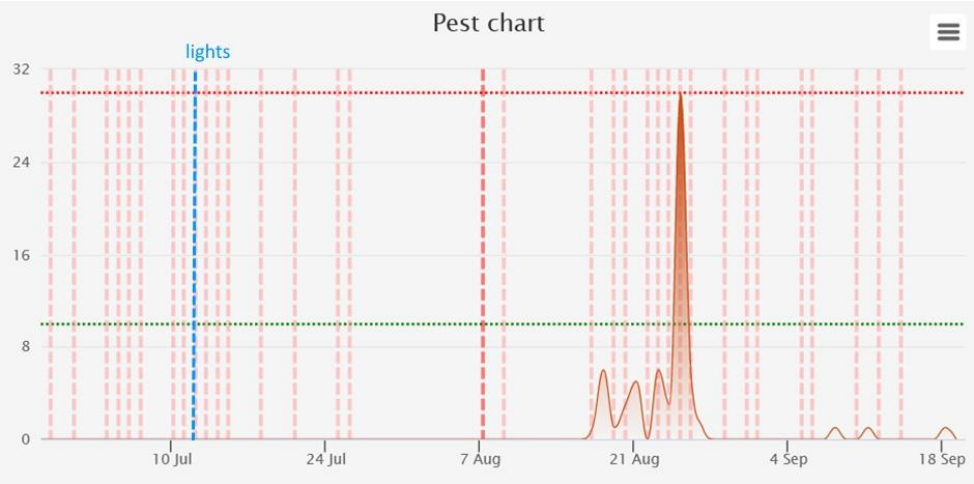
4. FINAL TRIAL CONCLUSIONS

CONE-NET SC, S08920



Total new pests in period: 53

VERTICAL SC light trap, S11844



Total new pests in period: 64

In this experiment we can see that both types of traps were similarly successful at trapping *Ostrinia nubilalis*. They caught similar number of pests and in both graphs the seasonal phenology of pest is visible.