Smart Pheromone Trap
赛扑星

Ningbo NewCon Biotechnology Inc.

神绿植保

INNOVATIVE INSECT PHEROMONE TECHNOLOGY TO ACCELATE THE INTEGRATED PEST MANAGEMENT (IPM) PRACTICE IN CHINA

NewCon Inc.

ADD: 68 Baiyunshan Road, Ningbo, Zheiang China
TEL: 0086-574-86113161 FAX: 0086-574-86111356
E-mail: nbniukang@163.com http://www.nbniukang.com

NewCon Inc.

- The NewCon Inc. was founded in 2004 by Dr. Du Yongjun, who move back from the University of California Riverside USA;
- Since its establishment, NewCon Inc. has been committed to the research and development of insect pheromone applied technology and it is a private high-tech enterprise that integrates the research and development, production, extension and market of insect pheromones and related pest monitoring and control.
- Pheromone products of more than 100 pests have been developed and manufactured by the company and widely used in the monitoring and control of crop pests in China, such as rice, corn, vegetables, fruit trees, tea, tobacco, etc., The total of annual sale was over $10 million in 2017.
- Our insect pheromone products have been suggested as best pheromone products by the Ministry of Agriculture to be applied in China.
- The automatic data collection and transmission of pest monitoring by sex pheromone trapping has been developed and widely used in the monitoring and forecasting of national agricultural and forestry pests in China.

High Quality Sex Attractant

- Solve the difficulty of pheromone component purity and geographical difference—high efficient trapping
- Solve the problem of slow release controlled and stabilization of compounds. The effective longevity is up to 2-3 months, even 6 months;
- Establish standardization of manufacture and quality control system to ensure high quality.

PVC Capillary lures

HALO Septa

Smart Pheromone Trap
赛扑星

LIST OF INSECT PHEROMONE LURES

申绿植保

NAMW	NAME	NAME	NAME
Acanthoplusia agnata	*Cydia pomonella*	*Helicoverpa assulta*	*Pectinophora gossypiella*
Adoxophyes orana	*Cydia trasias*	*Homeosoman nebulella*	*Phyllocnistis citrella*
Agrotis ipsilon	*Dendrolimus punctatus*	*Homona magnanima*	*Plodia interpunctella*
Agrotis segetum	*Dendrolimus spectabilis*	*Hyphantria cunea*	*Plutella xylostella*
Ancylis sativa	*Dendrolimus superans*	*Lasioderma serricorne*	*Scirpophaga incertulas*
Athetis lepigone	*Dendrolimus tabulaeformis*	*Leguminivora glycinivorella*	Scolytidae
Bactrocera cucurbitae	*Diaphania pyloalis*	*Lithocolletis ringoniella*	*Scrobipalpa heliopa*
Bactrocera dorsalis	*Diaphania indica*	*Loxostege sticticalis Linne*	*Sesamia inferens*
Bactrocera minax	*Diaphania perspectalis*	*Lymanteia dispar*	*Sitotroga cerealella*
Caloptilia theivora	*Dichocrosis punctiferalis*	*Lyonetia clerkella*	*Spodoptera exigua*
Carposina niponensis	*Ectropis obliqua*	*Maruca testulalis*	*Spodoptera litura*
Ceratitis capitata	*Ephestia elutella*	*Monochamus alternatus*	*Tetramoera schistaceana*
Chilo infuscatellus	*Euproctis pseudoconspersa*	*Mythimna separata*	*Trichophysetis cretacea*
Chilo sacchariphagus	*Grapholitha inopinata*	*Ostrinia furnacalis*	*Trogoderma granarium*
Chilo suppressalis	*Grapholitha molesta*	*Ostrinia nubilalis*	*Tuta absoluta*
Cnaphalocrocis medinalis	*Helicoverpa armigera*	*Parathrene regalis*	*Xestia c-nigrum*

Flying Moth Traps Solve the Bottleneck of Mass Trapping

Flying moth trap(Patent No. ZL201220169331.4 ®)--The Flying moth trap was developed after 5 years of field observation of pest flight trajectory, which solved the bottleneck of most pest traps and made it possible to use sex-sensing technology for large-scale use.

- High trap rate
- Good versatility
- Waterless basin
- Non-adhesive
- easy to use
- Low cost of use

For mass trapping

For Monitoring

It Can be used to trap most moth pests in rice, corn, cotton, tobacco, vegetables, fruit trees, etc.

Smart Pheromone Trap
赛扑星

申绿植保

Second generation *Helicoverpa armigera* in Zoucheng Henan China in 2016

Accumulation of 5 traps of overwintering generation *Chilo sacchariphagus* in Xiaoshan Zhejiang China in 2017

PHEROMONE TRAPS

Flying moth trap

Noctuid moth trap

Trap for small insects

Cross-vane trap

Trap for fruit flies

Insect Pheromone Mass Trapping Has Been widely used in China to Pest Monitoring and Control

Tomato leafminer(*Tuta absoluta)*

Mating Disruption

Dispensers

Pheromone puff by electronic system

- Features： Efficiency period reaches 6 months,Species pecific, easy manipulated.
- Insect species: Grapholitha molesta、Cydia pomonella、Ostrinia furnacalis、Chilo suppressalisetc.

Smart Pheromone Trap
赛扑星

Mating Disruption Technology

申绿植保

Smart Pheromone Trap
赛扑星

“Smart Trap” of Pest Monitoring System by Sex Pheromone

申绿植保

Flying moth trap (SPT-R-02)

Noctuid moth trap (SPT-N-02)

Monitoring Pests of SPT-R-02

Dichocrosis punctiferalis;Helicoverpa armigera；Acanthoplusia agnata;Cnaphalocrocis medinalis;Ostrinia furnacalis;Loxostege sticticalis;Ectropis obliqua;Chilo infuscatellus;Athetis lepigone;Chilo suppressalis;Diaphania indica;Pectinophora gossypiella;Tetramoera schistaceana;Diaphania perspectalis;Helicoverpa armigera;Ostrinia nubilalis;Scirpophaga incertulas;Trichophysetis cretacea;Dichocrosis punctiferalis;Chilo sacchariphagus;Homeosoman nebulella;Ostrinia furnacalis;Helicoverpa assulta;Helicoverpa assulta

Monitoring Pests of SPT-N-02

Xestia c-nigrum;Xestia c-nigrum;Leguminivora glycinivorella;Sesamia inferens;Sesamia inferens;Sesamia inferens;Etiella zinckenella;Maruca testulalis;Agrotis segetum;Agrotis segetum;Agrotis ipsilon;Agrotis ipsilon;Agrotis ipsilon;Agrotis ipsilon;Agrotis ipsilon;Spodoptera exigua;Spodoptera exigua;Spodoptera litura;Spodoptera litura;Spodoptera litura

Smart Pheromone Trap
赛扑星

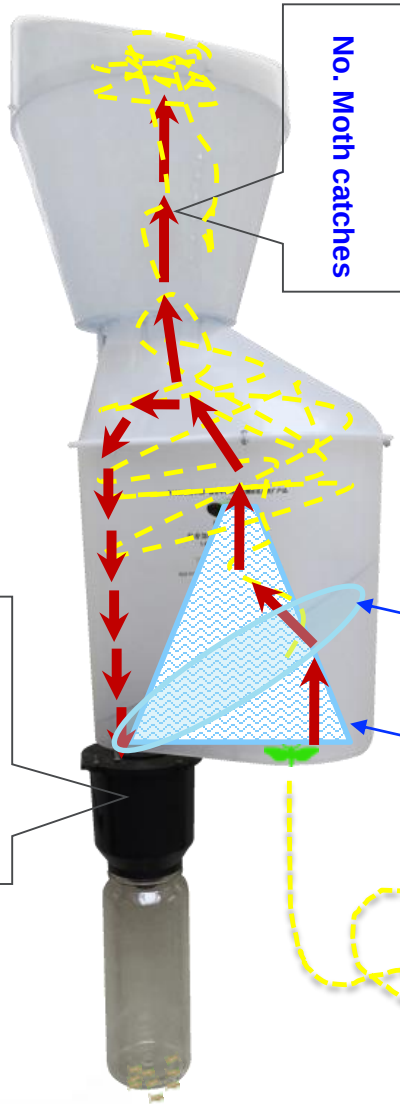
Wireless signal

申绿植保

Insect collector 2

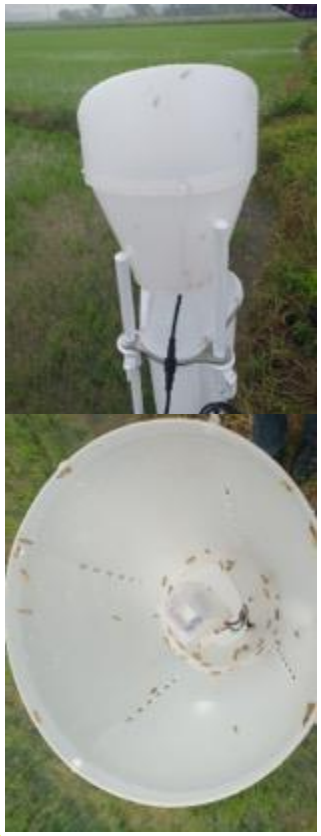
No. Moth catches

8



baffle

funnel

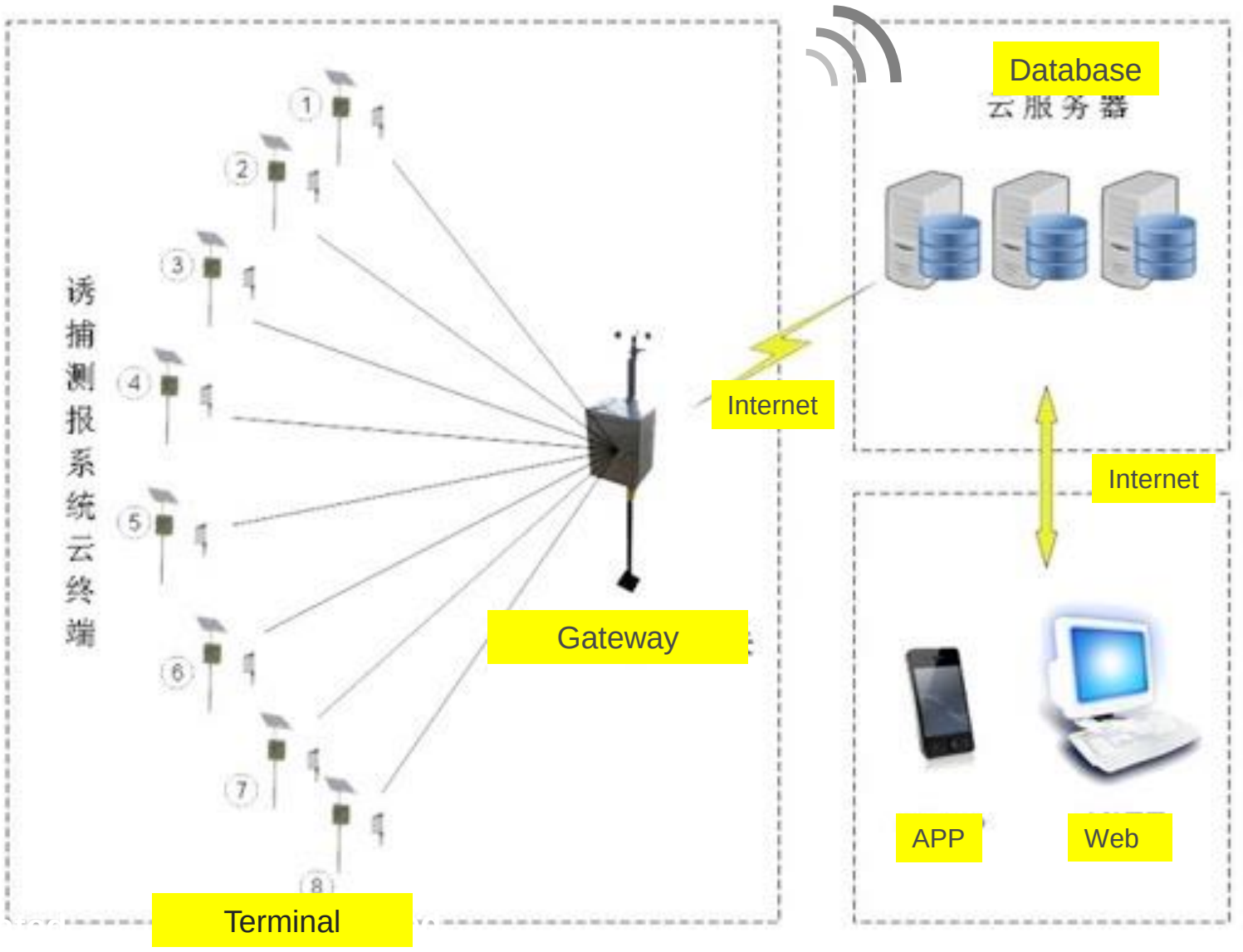


No. Moth catches

8

Insect collector 1

Diagram of “Smart Trap” System data flow



The Key Features of “Smart Trap” System

- Automatic Real-time data collection by pheromone trapping in the field
- Insect catches are automatically counted and saved in real time
- Wireless Transmission (GPRS) of data
- Access to App in the Smart phone and web-based management system in the internet
- One gateway can be connected to 8 terminals at the same time

授权专利：
ZL200920190971.1
ZL200920197756.4
ZL20122099291.0
ZL201220227327.9
CN201320108496.5
CN201520008554.6
ZL201410284517
ZL201520185578.9

Review and Analysize Data of “Smart Trap” System

APP in the smart phone

www.smtrap.com

Smart Pheromone Trap
赛扑星

申绿植保