



NATURE LED INNOVATION

f @GronicCo



BE ORGANIC

About us

We are a customer-oriented company with over 10 years of experience in developing, producing and supplying safe green solutions for agriculture. We specialize in supplying Baculoviruses semi-chemical lures and traps to monitor insect pests and promote sustainable Integrated Pest Management (IPM) within agricultural, horticultural, storage and urban setting. Our goal is to promote a more effective, economical and environmentally friendly approach to pest management by incorporating sound IPM principles and science in the monitoring systems that we offer. We are also able to offer our customers help with pest identification, advice on suitable control strategies and effective practices that can be carried out to minimize outbreaks.







We are able to offer our customers the full package required to carry out an efficient pest monitoring program. In addition to our wide range of pheromone lures and Baculoviruses, we offer the most suitable traps for each pest species and supply our customer with all the relevant information, advice and documentation needed to manage their pest problems. Management decisions are only as good as the data that they are based upon. If a well- designed monitoring program is carried out the information recovered will be accurate and the decision on when to time a spray to catch exposed pests, for example, will be correct





Why use our products?

All the products that we offer are based upon research, trial results, and customer feedback. We are constantly striving to develop products and solutions for new and emerging pests while also improving upon our current range when the opportunity arises. As we begin to see more evidence of regional that we remain abreast of those knowledges and offer the most suitable lure for a species in a particular region to the benefit of our customers. We use feedback and trails from across the globe to determine the best solution for a particular pest.

	Conventional pesticides	Gronic solutions
 Safety	Poisonous& possibly toxic, ahuman health concerns.	Completely nontoxic; safe for humans pets and environment.
 Residue	Spray 100% of crop high residue risk	Contacts < 1% of crop –zero residue risk
 Approach	Reactive – chasing after pests	Proactive – control pests before they become a problem
 Collateral damage	Kills beneficial insects (e.g. bees, ladybugs)	Species-specific –only affects target pest
 Environmental footprint	Risk to soil & water systems	Soil & water systems unaffected
 Efficacy	Short field life, high of resistance	Long field life, no risk of resistance.



ATTRASAFE



Attractants play a huge role in preventing the establishment and invasion of various problematic pests. Pests and even wild animals usually are lured by special attractants because of their need for mating and reproduction. If there are pheromones in the air, they are easily drawn to the source, which pest control experts use to their advantage to seize and eliminate them.

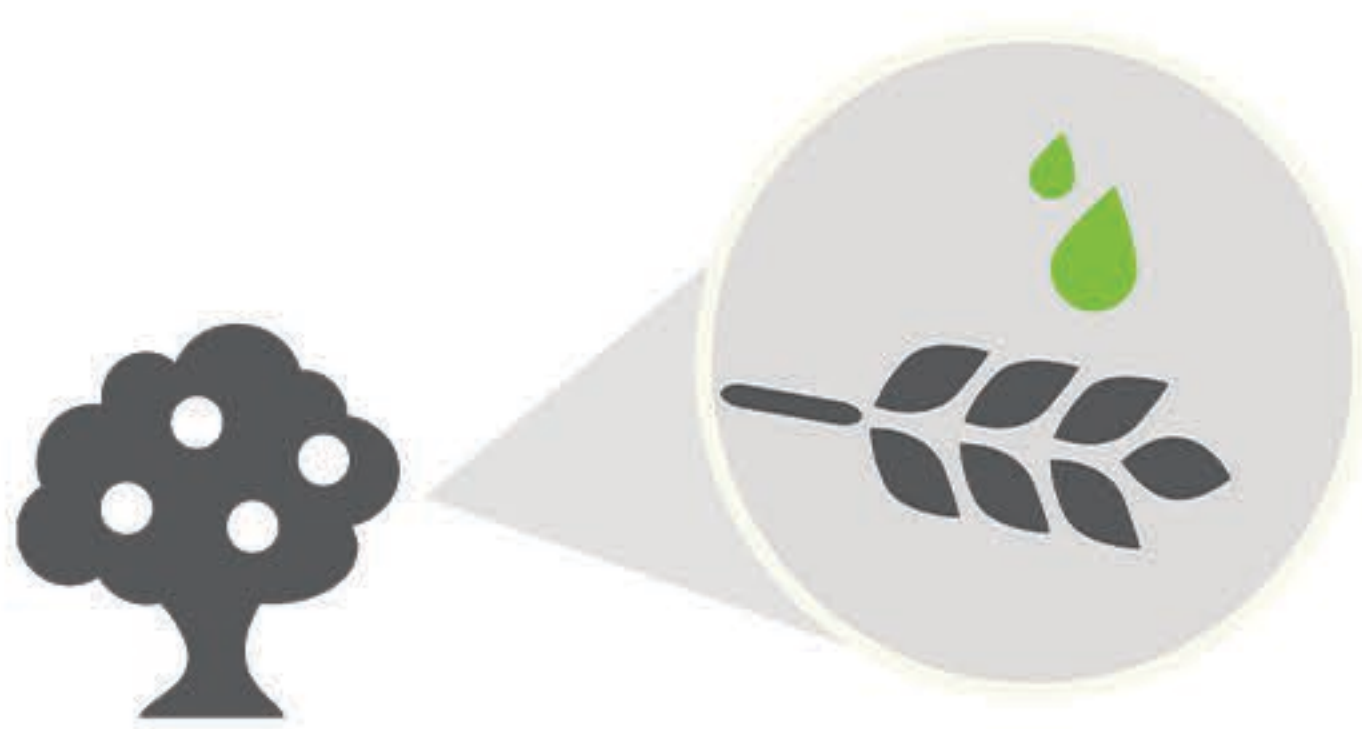
Section 2- Attractants

Our formulations are based on naturally-occurring attractant and can be efficient Way to Control Insect Populations

Unlike the blanket spraying of conventional pesticides, our Attractants are very specific, targeting only the insect pests causing damage to crops. Rather than chasing the pests with blanket sprays, Gronic brings the pest to the bait. This allows for highly effective crop protection with minimal insecticide usage that does not contact our food or create risk to the environment.



How Does Attractants Work?



1-Product Application

our Dispensers formulations are applied to the crop.



2-female attractant Are Released

Each Attractant emits a naturally occurring, to attract the insect pests



3-Insects Flock to the Bait

Because the solution uses naturally occurring insect attractants, pests are instinctively drawn to the solution.



4-Insects Ingest the Solution

A tiny amount of pesticide in the formula eradicates pests when they contact the solution.



5-Crops Are Protected

Insect populations are controlled efficiently and with only trace amounts of pesticide.

Benefits of Insect Attractants



Targeted action

All our insect Lures target specific species or groups of insects, affecting only these targets without disturbing other insect species.



Natural efficacy

By mimicking and optimizing insect Lures systems already found in nature, we can manage insect populations in the most effective and efficient manner.



Safe for humans, pets & the environment

Our insect Lures contain compounds that are not harmful to humans or animals and leave no residues on plants or the environment..

Our Attractants Products

Long-lasting, Effective Insect Targeting for controlling Insect Populations
Gronic attractants line provides a low impact solution for targeting a wide range of insects on different-sized crops.

Polymeric Ammonium discs

Our polymeric ammonium discs contain between 4 and 5 grams of ammonium bicarbonate, which slowly degrades to release ammonia, a compound highly attractive to female flies of the species *Rhagoletis cerasi* and *Bactrocera oleae*. These dispensers provide an active field life of 10-12 weeks.



Torula Yeast Tablets

We offer torula yeast tablets, a useful female attractant for a range of fruit fly species, including *Bactrocera oleae* and *Ceratitis capitata*. Each tablet contains 5g of a mix of torula yeast and borax. Three tablets should be used per trap and will readily dissolve in 250-300 ml of water.



Products key table

The tables on the following section list the pest species that we are able to offer products for and are categorized by crop attacked. The tables list the semiochemicals type offered and the recommended traps and dispensers that we offer the pest. We are always happy to discuss alternative with our customers so please feel free to contact us regarding alternative dispensers or traps. equally, if there is a pest not included in the lists below please contact us as we may well be able to offer a product or solution

Attractant type

FA	Food Attractant
P	Pheromone
K	Kairomone
P-P	Parapheromone

Lures

ABS	Ammonium Bicarbonate
PVS	Poly Vial
RS	Rubber Septum
WS	Wet lure

Traps

D	Delta Trap
LB	McPhail Trap
SB	Sticky Board
U	UniTrap
W	Water Trap
C	ConeTrap
PL	Palm Trap

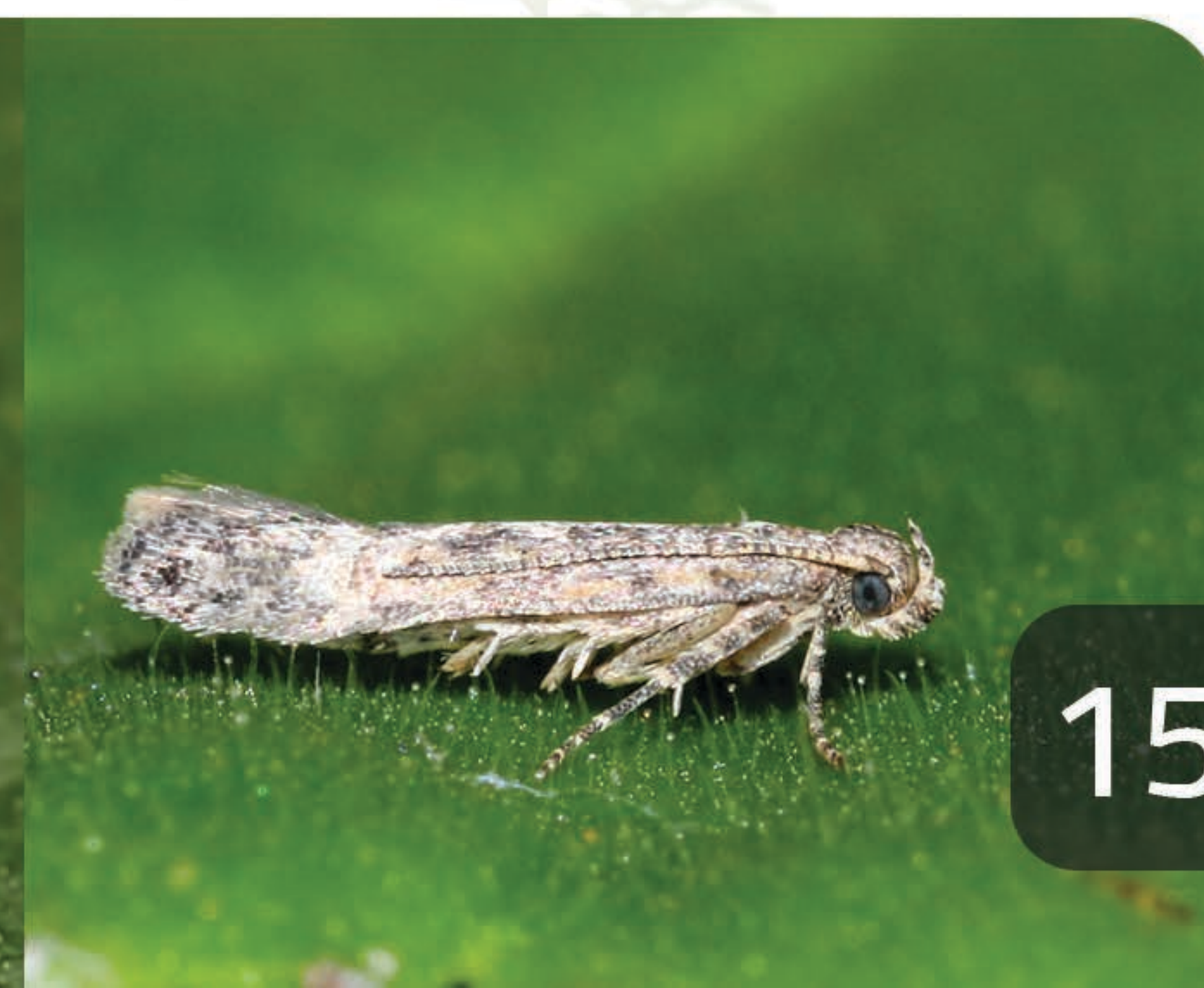


Agricultural Pests – Moths

PEST	COMMON NAME	ATTRACTANT TYPE	LURE	TRAP
<i>Agrotis ipsilon</i>	Black cutworm	P	RS	D, U
<i>Autographa gamma</i>	Silver Y	P	RS	D, U
<i>Etiella zinckenella</i>	Lima Bean Pod Borer	P	RS	D, U
<i>Liriomyza trifolii</i>	vegetable leafminer	P	RS	D
<i>Helicoverpa armigera</i>	Cotton Boll Worm	P	RS, PVS	U
<i>Helicoverpa zea</i>	Corn Ear Worm	P	RS, PVS	U
<i>Spodoptera exigue</i>	Beet Army Worm	P	RS	U
<i>Bactrocera cucurbitae</i>	Melon Fly	P-P	PVS	D
<i>Phthorimaea operculella</i>	Potato Tuber Moth	P	RS, PVS	---
<i>Spodoptera littoralis</i>	Egyptian Cotton Leaf Moth	P	RS, PVS	U
<i>Tuta absoluta</i>	Tomato Leaf Miner	P	RS, PVS	D, W, SB
<i>Franklinella occidentalis</i>	Western lower Thrip	P	RS	D, W, SB

Horticultural Pests – Others

PEST	COMMON NAME	ATTRACTANT TYPE	LURE	TRAP
<i>Bactrocera cucurbitae</i>	Melon Fly	P-P	WPL	D, LB
<i>Ceratitis capitata</i>	Mediterranean Fruit Fly	P-P	RS, WPS	D, H
Graved female <i>Ceratitis capitata</i>	Mediterranean Fruit Fly	K	WS	C, LB



Palm Pests – Moths & Others

PEST	COMMON NAME	ATTRACTANT TYPE	LURE	TRAP
Rhynchophorus ferrugineus	Red Date Palm Weevil	P	WPL	BU
Batrachedra amydraula	Lesser Palm moth	P	PVS	D

Olive and Vine Pests – Moths

PEST	COMMON NAME	ATTRACTANT TYPE	LURE	TRAP
Cryptoblabes genidiella	Christmas Berry Moth	P	RS	D
zeuzera pyrina	Leopard moth	P	PVS	D,U
Lobesia botrana	European Grapevine Moth	P	RS, PVS	D, U
Palpita unionalis	Jasmine Moth	P	RS	D
Prays oleae	Olive Moth	P	RS, PVS	D,U
Bactrocera Oleae	Olive Fruit Fly	P, P+FA	PVS, PVS+ABS	LB, SB,C

Orchard and Citrus fruit Pests – Moths

PEST	COMMON NAME	ATTRACTANT TYPE	LURE	TRAP
Prays citri	Citrus Flower Moth	P	RS	D
Phyllocnistis citrella	Citrus leafminer	P	RS	D
Bactrocera cucurbitae	Melon Fly	P-P	WPL	D, LB,C
Bactocera zonata	Peach Fruit Fly	P-P	WPL,L	D,LB,C
Ceratitis capitata	Mediterranean Fruit Fly	P-P	WPL,L	D,LB,C

Stored Products Pests – Moth

PEST	COMMON NAME	ATTRACTANT TYPE	LURE	TRAP
Plodia interpunctella	Indianmeal moth	P	RS	D,U
Lasioderma serricorne	Cigarette Beetles	P	RS	D,U





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