



# AGROCHEM

**Manufacture and development of products for agriculture,  
public health and veterinary use**

Innovation for **pest control**



**RODENTICIDES**



**BIOCIDES**



**FUNGICIDES**



**PHEROMONES**

**Laboratorios Agrochem was founded in 1987 with the mission to offer specialized products for agriculture, public health, and veterinary use.**

***“Our core values are process excellence, integrity, and commitment to our customers.”***



#### **MANUFACTURING QUALITY:**

We work to maintain high quality level and efficiency in the manufacturing process of our active ingredients.

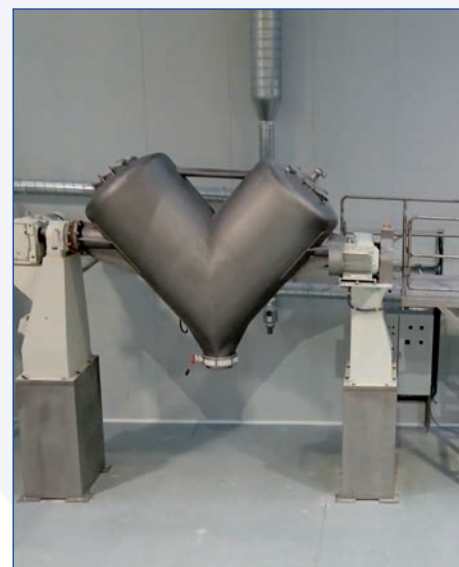
We develop and manufacture pheromones and attractants for integrated pest management, post-harvest and veterinary fungicides, in addition to rodenticides for agriculture and public health. All of our products contain **Active Ingredients** developed locally with the latest technical quality.

#### **SECTORS:**

The active ingredients incorporated into our products are manufactured in our plants, thus guaranteeing a maximum level of purity in accordance with European regulations and FAO specifications.

**1. AGRICULTURE:** We provide different agricultural solutions for pest management in field.

- Fruit trees
- Vegetables
- Palm trees
- Others



**2. PUBLIC HEALTH:** We provide rodenticides and insecticides for urban and industrial areas, for professional and domestic use.

- Rodent control
- Insect control

**3. LIVESTOCK FARMING:** Disinfection and sanitization of farms, stables and animal management areas.

- Poultry
- Pig farming

We offer personalized research and development to fulfill our customer's needs. Agrochem is currently present in more than 62 countries while we have reliable partners across the 5 continents.

Our vision is to become a leading company in the development and manufacturing of pest control products, offering a personalized and customized service beyond our competitors.



Besides the European Union, our products are present in all central and south America, south east Asia, middle east, north Africa, sub-Saharan Africa and Australia throughout solid partners and local distributors.

**Agrochem** also has local presence in the UK and South Africa through our own subsidiaries; Agrochem UK Ltd and Laboratorios Agrochem ZA cc.

**1987****EXPERIENCE**

36 years in the sector

**+450****PRODUCTS**

Registered

**295****PROJECTS**

All over the world

**62****COUNTRIES**

All the continents





Rodenticides work as vitamin K antagonists, preventing blood clots and making the animal ingesting the bait to die from internal hemorrhaging. Rodent death occurs a few day after ingestion, which avoids mistrust in the remaining population.

**Bromadiolone:** Commonly used to control rats, mice and voles populations.

**Brodifacoum:** The most powerful and effective rodenticide for rats and mice, but also in other species like possums.

**Difenacoum:** Recommended against rodents in inhabited places, industrial areas, warehouses and agriculture lands.

**Chlorophacinone:** Highly effective for rodents while presenting reduced toxicity in poultry, live-stock and pets.

**Coumatetralil:** One of the chlorophacinone alternatives to carry out rotations and avoid resistance generation.

**FORMATS:** Our blocks and pellets are waterproof.



Technical product / concentrate  
(generally at 2,5% or 0,25%)



Agrobloc



Agrorat Pellet



Agrorat Fresh Bait



Agrorat Cereal



Bebirat (drinkable rodenticide, only available as Brodifacoum)

#### Available packaging for technical products:



Drum  
50 Kg



Jerrican  
30 Kg



Bottle  
1 L

#### Available packaging for ready-to-use products:



Plastic bucket  
10 Kg



Cardboard boxes  
10 or 15 Kg



Bags 20/25 Kg  
(envelopes or bulk)

Other packaging available on request

\* All of our ready-to-use rodenticide products contain Denatonium Benzoate to prevent accidental ingestion in humans.



Our biocides are used to control pests in domestic, professional use and agricultural and livestock facilities.

### Insecticide

**SIMBA**

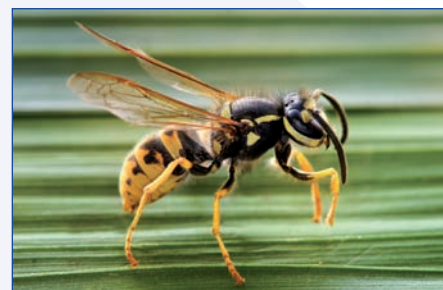
Insecticide-Miticide against crawling and flying insects and mites. Based on eto-fenprox, tetramethrin and piperonyl butoxide.

**KALI DUST**

Cypermethrin-based powder insecticide against cockroaches, ants, wasps and mosquitoes.

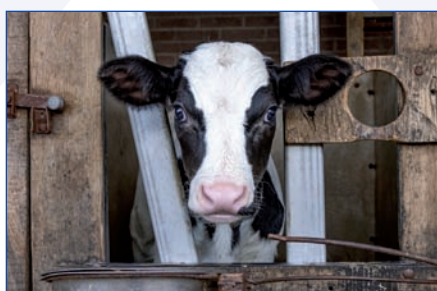
**KALI 10EC**

Emulsifying insecticide against cockroaches, ants, mosquitoes and houseflies (For professional use only).



**KOMBAT**

New generation paint insecticide with pheromone against houseflies. For farm and warehouse walls, length up to 8 months.



### Helicide

**METALDEHYDE 5% pellet:** Molluscicide for snails and slugs control in fruit and vegetable crops, ornamental plants and potatoes.







Commonly used to prevent fungus growth, which are the main cause of fruit rot in post-harvesting.

It can be applied itself or mixed with waxes immediately after harvest.

Its main action is against fungus such as *Penicillium*, *Alternaria*, *Fusarium*, *Gloeosporium* and *Botrytis cinerea*.

### Imazalil

**Technical NEOZIL:** Due to its granular powder appearance, it is very convenient for formula's production based on Imazalil, and it dissolves directly without requiring a prior fusion of the active ingredient >98%.

**NEOZIL 75SP:** Soluble powder, to apply diluted in water for immersion treatments (baths), shower (drencher) or by spraying, and it can be mixed with other fungicides such as thiabendazole. Used as a post-harvest treatment in plantains, bananas and pineapples.



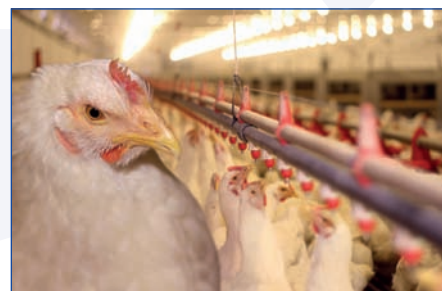
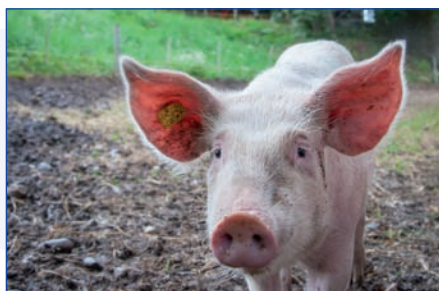
**NEOZIL 50EC:** Emulsifiable concentrate based on imazalil, used for fruit treatment after harvest. Effective against most rooting pathogens in citrus, apples, pears and roses.

**NEOZIL 10SL:** Post harvesting fruit treatments. It controls a wide spectrum of fungus diseases, mainly those caused by *Helmintosporium* spp., *Fusarium* spp., and *Septoria* spp. Treatment for citrus, pome fruit, banana, pineapple and seed potatoes.

**NEOZIL 20TN:** Fungicide for cold storage rooms disinfection through thermonebulization.



Smoke canister for disinfection of livestock and poultry facilities, chambers and warehouses. It is effective against a broad spectrum of pathogenic fungi, dermatophytes (ringworms) and yeasts, such as *Aspergillus* spp., *Penicillium* spp., *Trichophyllum* spp. and *Microsporum* spp. It is ideal for the disinfection of difficult accessibility environments and places that should not be humidified.





# **NEOZIL<sup>®</sup> 15EC** **SPRAY**

Emulsifiable Concentrate for disinfection of livestock, poultry, cold storage rooms and warehouses. Once diluted, it is used by nebulization or spraying on walls, straw, machinery, utensils, etc. It can be directly applied on eggs without affecting their viability.



## **Thiabendazole**

**NEOZIL TBZ 50SC:** Post-harvest fungicide for the treatment of citrus, apples, pears and bananas. It is applied diluted in water directly on the fruit, both by shower (drencher) and by tunnel spraying treatments. Against *Botrytis* spp.; *Penicillium digitatum*; *Colletotrichum musae*; *Ceratocystis paradoxa*; *Deightoniella torulosa* and other rot fungi.



## **Pyrimethanil**

**NEOZIL PYR 40SC:** Anilinopyrimidine with preventive and curative, systemic, translaminar fungicidal activity. It can be used for the specific control of botrytis in aubergine, strawberry, bean, lettuce, cucumber, pepper, tomato, vine, citrus and pip fruits.



### **Available packaging for fungicides:**



Drum  
50/30 Kg



Bottle  
1 L



Envelopes  
32/25/16 gr



Smoke canister  
35 gr  
(60 m<sup>3</sup> per canister)

Other packaging available on request





Our fruit fly attractants are designed to attract mostly females, which are the main cause of fruit damage, since they assume it as a food source for egg laying.

**Agrofly ANA:** *Anastrepha ludens*; *Anastrepha obliqua*; *Anastrepha suspensa*.

**Agrofly PLUS:** *Bactrocera tryoni* (Queensland); *Bactrocera dorsalis*; *Bactrocera zonata*; *Bactrocera cucurbitae*; *Rhagoletis cerasi*; *Rhagoletis cingulata*; *Rhagoletis indifferens*; *Dacus ciliatus*.

**Agrofly DACUS:** *Bactrocera oleae*; *Rhagoletis cerasi*; *Rhagoletis cingulata*; *Rhagoletis indifferens*; *Rhagoletis pomonella*.

**Agrofly CECA:** *Ceratitis capitata*; *Ceratitis cosyra*; *Ceratitis rosa*; *Ceratitis malgassa*; *Bactrocera cucurbitae*.

**Agrofly SUZII (liquid attractant):** *Drosophila suzukii*.

**Agrofly FORTE:** *Diroxia pornia*; *Ceratitis cosyra*; *Ceratitis rosa*.



Agrofly ANA  
(*Anastrepha ludens*)



Agrofly PLUS  
(*Bactrocera dorsalis*)



Agrofly DACUS  
(*Rhagoletis cerasi*)



Agrofly CECA  
(*Ceratitis capitata*)



Agrofly SUZII  
(*Drosophila suzukii*)



Agrofly FORTE  
(*Diroxia pornia*)

Our attractants do not affect beneficial insects, since they are very specific for each species.

**Attractant duration:** 150-180 days depending on environmental conditions, which allows the use of a single diffuser per season.

#### Available packaging for attractants:



Bag  
25 attractants  
in aluminum bag  
of 300x200 mm



Box Option A  
400 attractants in aluminum  
bags of 25 units each,  
in a box of 500x300x300 mm



Box Option B  
500 attractants in aluminum  
bags in a box  
of 500x300x300 mm

Other packaging available on request

\* Superior efficiency than conventional chemical treatments.





Aggregation pheromones are chemical signals used by individuals to form colonies; therefore, they attract both males and females, being very common among weevil beetles.



*Rhynchophorus palmarum*  
(South American palm weevil)



*Cosmopolites sordidus*  
(Banana weevil)



*Metamasius hemipterus*  
(West Indian cane weevil)



*Rhynchophorus ferrugineus*  
(Red palm weevil)



*Anthonomus eugenii*  
(Pepper weevil)



*Scyphophorus acupunctatus*  
(Agave weevil)

It controls the pest spread avoiding disease transmission such as Bursaphelenchus (Rhadinaphelenchus) cocophilus “red ring nematode”.

**Pheromone duration:** 120-180 days depending on environmental conditions.

## Available packaging for aggregation pheromone:



**Bag**  
Individually heat-sealed  
aluminum envelope  
of 80x70 mm



**Bag**  
10 units in heat-sealed  
aluminum envelopes  
of 180x110 mm



**Box Option A**  
800 pheromones  
in a box  
of 420x264x342 mm



**Box Option B**  
1600 pheromones in a  
10-unit blister in a box  
of 420x264x342 mm

Other packaging available on request

In combination with the pheromone, kairomone increases the power of attraction and the number of captures.

## Available packaging for aggregation pheromone + kairomone:



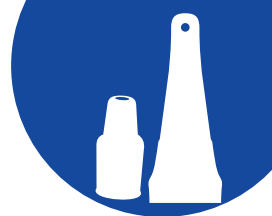
**Bag**  
PACK 1 pheromone + 1 kairomone  
in heat-sealed aluminum envelope  
of 180x110 mm



**Box**  
200 PACKS 1 pheromone +  
1 kairomone in a box  
of 395x295x305 mm

Other packaging available on request

\* Superior efficiency than conventional chemical treatments.



It main action is attracting males to the trap, simulating the release of the sex pheromone from the female for mating. This method (mating disruption) decreases the number of males and directly triggers the reduction of the pest population.



### Available sex pheromones:

*Adoxophyes orana* (Summer fruit tortrix)  
*Anarsia lineatella* (Peach twig borer)  
*Archips rosana* (Rose tortrix)  
*Autographa gamma* (Silver-y moth)  
*Bactrocera oleae* (Olive fruit fly)  
*Chloridia virescens* (Tobacco budworm moth)  
*Chilo supressalis* (Asiatic rice borer)  
*Cryptoblabes gnidiella* (Honeydew moth)  
*Cydalima perspectalis* (Box tree moth)  
*Cydia pomonella* (Codling moth)  
*Ecdytolopa aurantiana* (Citrus fruit borer)  
*Eupoecilia ambiguella* (European grape berry moth)  
*Euzophera pinguis* (Olive pyralid moth)  
*Frankliniella occidentalis* (Trips)  
*Gortyna xanthenes* (Artichoke moth)  
*Grapholita funebrana* (Plum fruit moth)  
*Grapholita molesta* (Oriental fruit moth)  
*Helicoverpa armigera* (Cotton bollworm)

*Lobesia botrana* (European grapevine moth)  
*Pandemis heparana* (Dark oblique-barred twist)  
*Palpita unionalis* (Jasmine moth)  
*Plusia (Chrysodeixis) chalcites* (Tomato looper)  
*Plodia interpunctella* (Indian meal moth)  
*Plutella xylostella* (Diamondback moth)  
*Prays citri* (Citrus flower moth)  
*Prays oleae* (Olive moth)  
*Sesamia nonagrioides* (Mediterranean corn borer)  
*Spodoptera exigua* (Beet armyworm)  
*Spodoptera frugiperda* (Fall armyworm)  
*Spodoptera littoralis* (African cotton leaf worm)  
*Synanthedon myopaeformis* (Sesia)  
*Tecia solanivora* (Guatemalan potato moth)  
*Thaumatotibia leucotreta* (False codling moth)  
*Tortrix viridana* (Green oak moth)  
*Tuta absoluta* (Tomato moth)  
*Zeuzera pyrina* (Wood leopard moth)



**Pheromone duration:** Average is 4-6 weeks (request individually for each pheromone).

### Available packaging for sex pheromones:

**AGROMate**



Bag  
 Individually heat-sealed  
 aluminum envelope  
 of 80x70 mm



Bag  
 25 units in heat-sealed  
 aluminum envelopes  
 of 180x110 mm



Small box  
 250 individual pheromones  
 in a box (case)  
 of 250x197x155mm

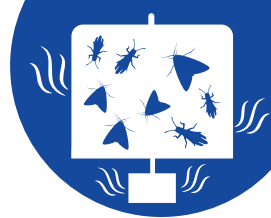


Large box  
 1000 individual pheromones  
 contained in 4 small boxes  
 in a box  
 of 420x264x342 mm

Other packaging available on request / presented in rubber septum

\* Superior efficiency than conventional chemical treatments.





## Pheromone and attractant's specific traps.



### Fly Trap

A dipteran trap patented by Agrochem, with contact insecticide painted on the lid. Perfect for our dry AgroFLY attractants. Field lifespan up to two years.



### Chromatic Trap

Glued trap with a removable plastic film for better handling. It features a grid for counting and monitoring insects. Available in blue and yellow. Useful for dipterans, thrips, whiteflies, and aphids.



### Weevil Trap

Specific trap for capturing flying and crawling weevils specially designed for our AgroTRAP pheromones. Very useful for *Rhynchophorus palmarum* or *Anthonomus eugenii* species.



### Delta Trap

A trap for monitoring lepidopterans, with a gridded gummed base to enhance insect monitoring.



### Water Trap

Water trap specially conceived for the catch of the tomato leafminer *Tuta absoluta*. It is composed of a flat container that can be refilled with water and that has an attached basket that carries the pheromone lure.



### AgroTRAP FUNNEL

Trap for catching lepidopterans (moths), both for monitoring and mass trapping. Two-body trap, with a funnel-type entrance, which enhance the entry of moths and prevents them from escaping.



### AgroTRAP SUZUKII

This trap is specifically designed and adapted to the biology and behavior of *Drosophila suzukii*. It functions as a fly trap and it can also be used for monitoring other small dipterans by replacing the grids with those of the appropriate diameter for the target pest.



**AGROCHEM**

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