



ekomille
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***HIGH EFFICIENCY RODENT CONTROL
WITHOUT TOXIC BAIT***





Italian company promoting innovative and environmentally friendly solutions in the pest management market since 2001



Company of the PigCHAMP group dedicated to market innovative and quality technologies in different areas of the livestock sector



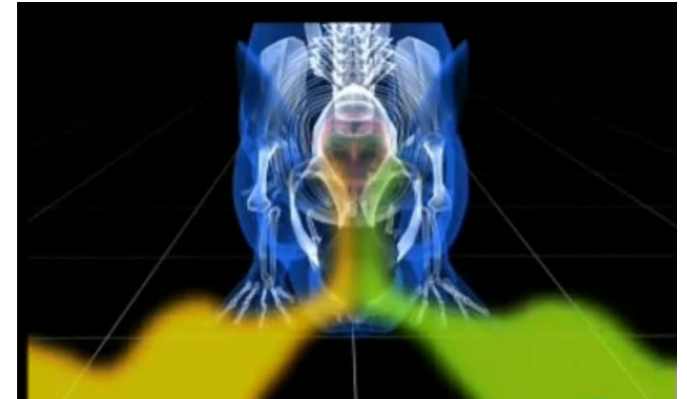
RODENTS. A FORMIDABLE ENEMY.

- They plan alternative options in advance
- They make decisions based on combined multisense information (such as humans)
- When they move, they 'learn' space rather than travel it by recording distances and sensations in the hippocampus
- They have location neurons that "record & reproduce" moments



RODENTS. A FORMIDABLE ENEMY.

- They smell in “stereo”, They detect the source of the smell and its origin in 0.05 seconds (3 times faster than humans)
- They are neophobic. Always try new foods in small portions to avoid lethal doses
- They communicate through complex ultrasound signals



WHY TO CONTROL RODENTS?

Biosecurity

Vectors of up to 45 diseases (salmonellosis, pasteurellosis, toxoplasmosis ...)

Consumption and damage to food

100 rats consume one ton of food a year and contaminate with feces and urine, 10 times ingested = 10 tonnes per year



Damage to structures and facilities

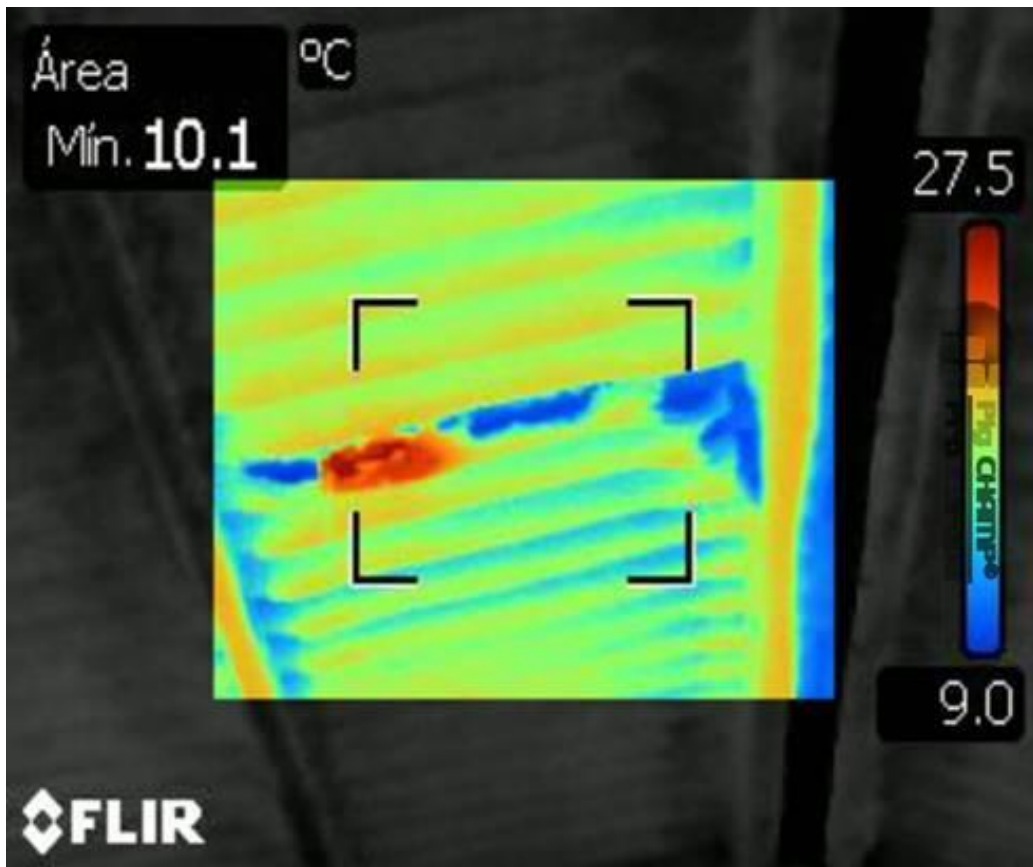
May cause cabling damage, fire hazards and electrocution

Insulation loss over the years

Energy costs, worsening of conversion rate, costs of re-insulation

HIGH ECONOMIC LOSS, NORMALLY NOT QUANTIFIED

WHY TO CONTROL RODENTS?



Insulation loss over the years

Insulation costs, energy costs, conversion rate worsening

Thermographic image of the ceiling of a bait ship. There is deterioration of insulation and rodent nest (Source: PigCHAMP Pro Europa SL)

TRADITIONAL CONTROL METHODS



Population control with toxic traps / baits.
90% anticoagulants use (toxic substances to other animals)

Warfarin poisoning



Photos: Courtesy Luis Sanjoaquin

EKOMILLE

NEW HIGH EFFICIENCY RODENT CONTROL WITHOUT TOXIC BAIT

PEST OBJETIVE: RODENTS

RATTUS RATTUS



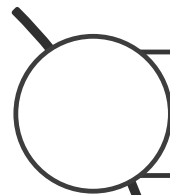
RATTUS NORVEGICUS



MUS DOMESTICUS

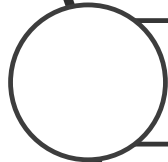


EKO SYSTEM



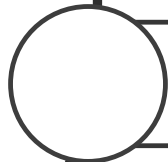
EKOMILLE

Capture, monitoring and control



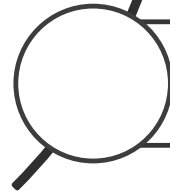
EKOLOGIC

Monitoring



EKOBOX

Anti-theft and non-target animals protection



EKOFIX

Preservative solution

HOW DOES EKOMILLE WORK?



HOW DOES EKOMILLE WORK?



1. PREVENTION

2. MONITORING

3. CAPTURE

**4. MAINTENANCE IN
CRITICAL POINTS**

Without the use of poisons or scattering of animal remains, rats and mice are attracted by the smell of natural bait and are caught instantly when they try to eat

HOW DOES EKOMILLE WORK?



EKOMILLE INSTALLED IN A FARM
MANAGEMENT AREA IN SEGOVIA
(Source PigCHAMP Pro Europa SL)

HOW DOES EKOMILLE WORK?



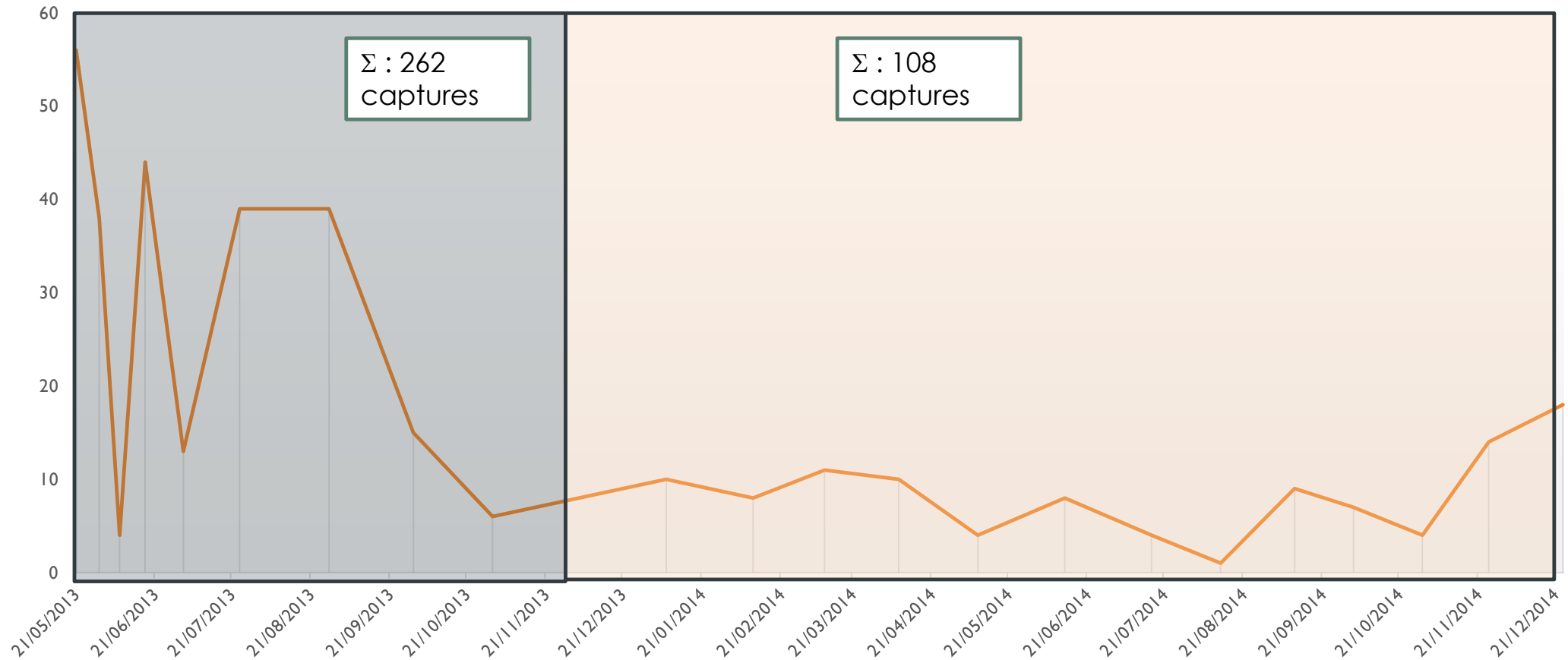
EKOMILLE DEPOSIT IN PIG FARMHOUSE IN SEGOVIA
(Source PigCHAMP Pro Europa SL)



TOTAL CATCHES OF 3 EKOMILLE UNITS IN PIG FARM IN SEGOVIA
(Source PigCHAMP Pro Europa SL)

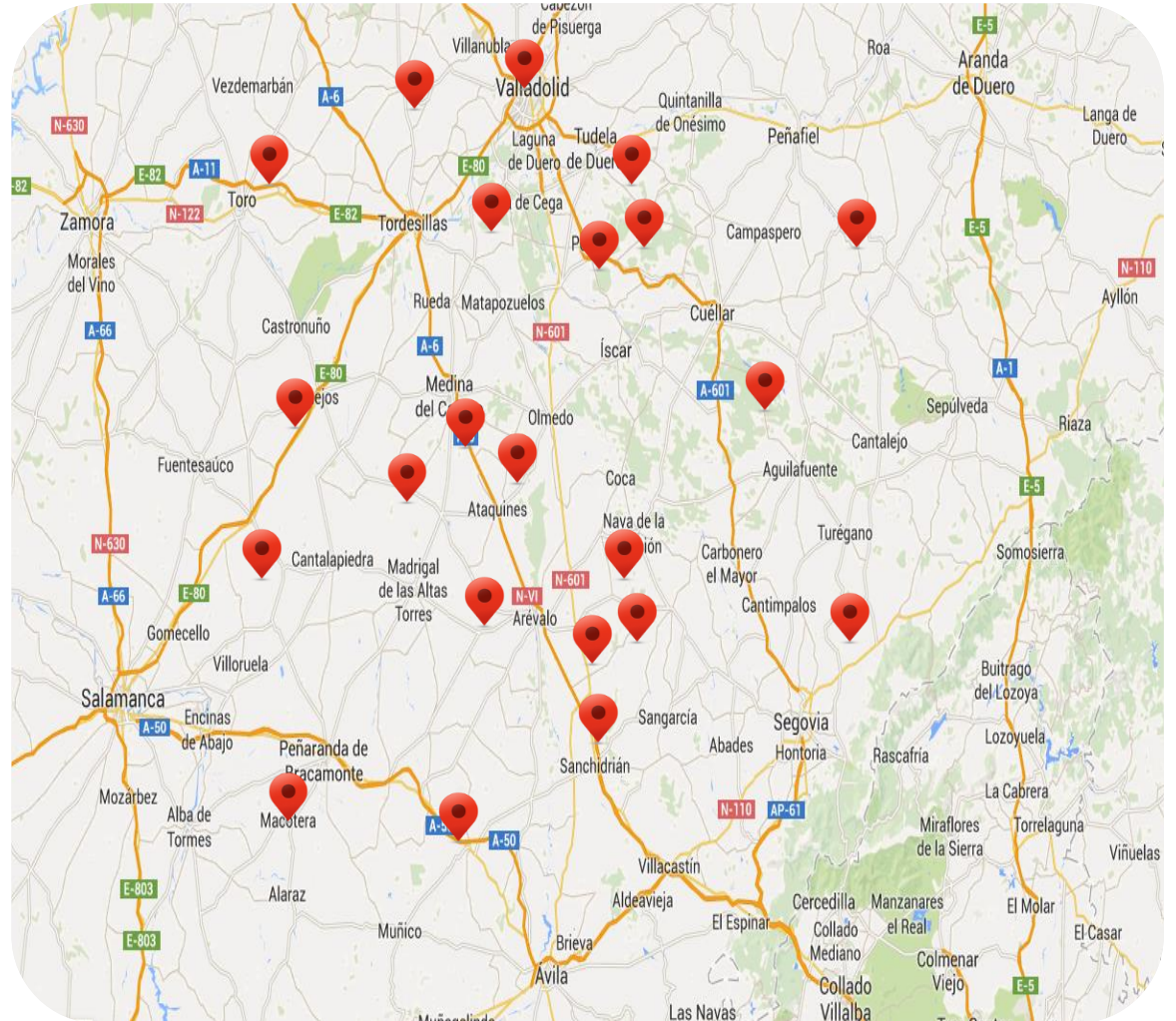
TESTED AT THE SWINE RESEARCH FARM (AGUILAFUENTE-SEGOVIA, SPAIN)

Monthly Captures 2013-2014



RESULTS 2013-14: SWINE RESEARCH CENTER + PARTNERS

A total of:
89 farms
980 traps
137017 rats



IMPACTO ECONÓMICO DE LA IMPLANTACIÓN DE UN SISTEMA EKO PARA DESRATIZACIÓN ECOLÓGICA EN AVICULTURA DE PUESTA

“ECONOMIC IMPACT OF THE IMPLEMENTATION OF A EKO SYSTEM FOR PEST ECOLOGICAL CONTROL IN LYING POULTRY”

RESULTS

- Annual food loss for consumption (considering the minimum consumption (0.025 Kg / day) **7.032,65 Kg**
- Annual food loss for contamination (considering the minimum pollution 0,075 Kg/day) **21.097,95 Kg**
- Total annual losses (in Kg) **28.130,60 Kg**
- Total annual saving estimated using 11 EKOMILLE systems **7.313,96 €**

CONCLUSION: EKO system offers an economic benefit that could exceed spending on pest control



CENTRO DE VIGILANCIA SANITARIA VETERINARIA

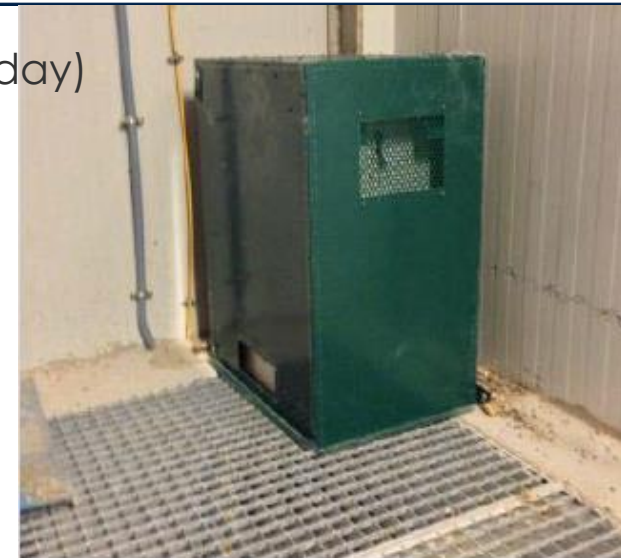
UNIVERSIDAD COMPLUTENSE MADRID



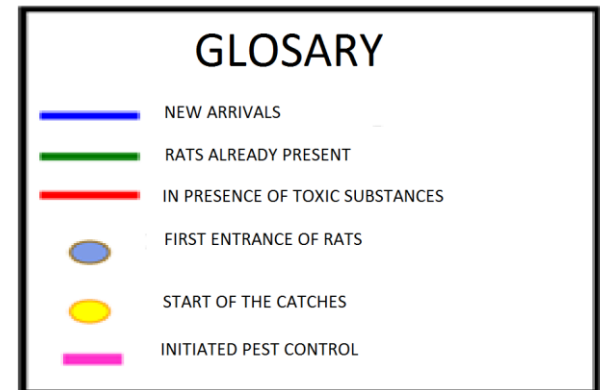
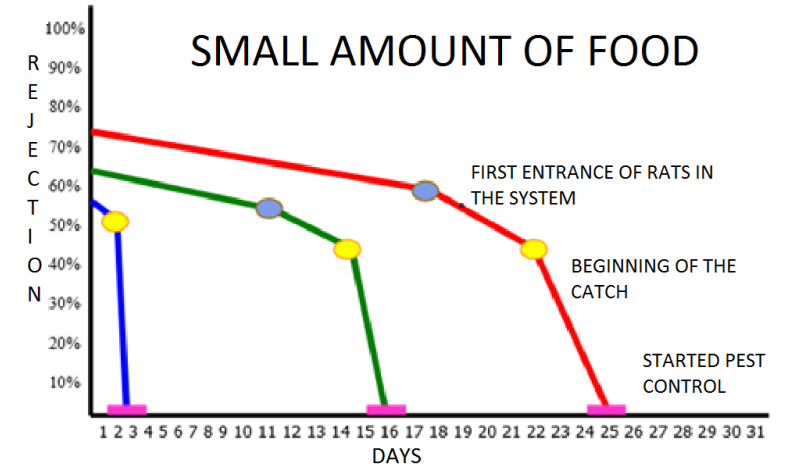
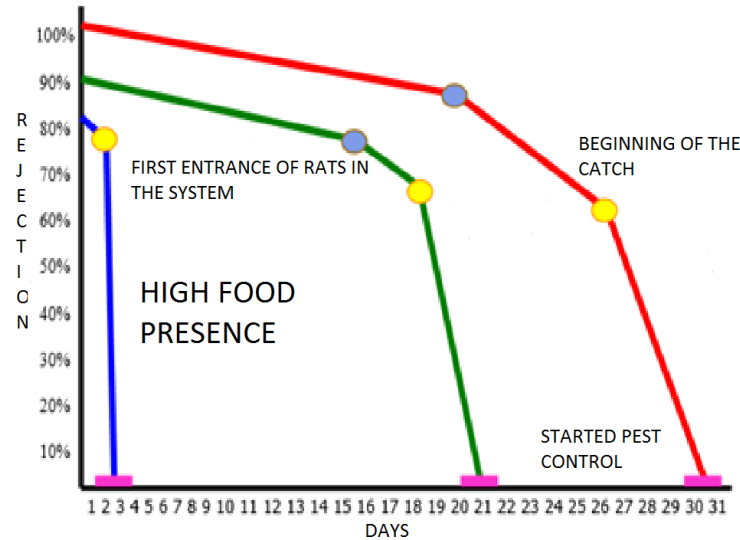
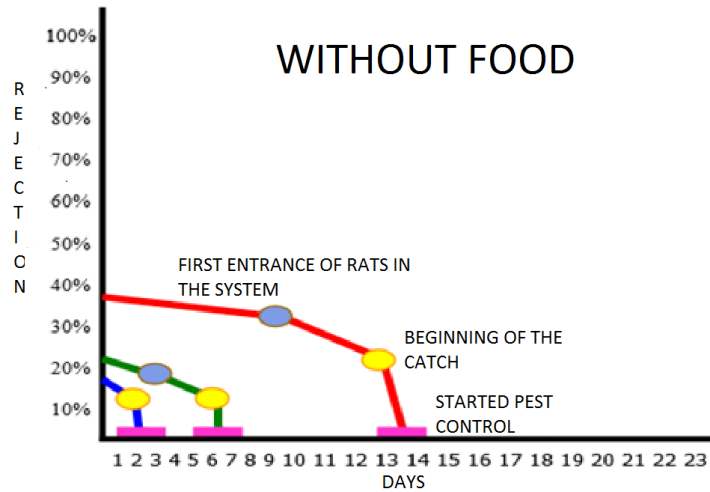
www.visavet.es



Estudio realizado en el marco de un proyecto financiado por el MAGRAMA (referencia: 20130010043896). Convocatoria 2013 de ayudas para proyectos de investigación aplicada e innovación en los sectores vacuno, porcino, ovino, caprino, avícola y curícola.



EKOMILLE CATCH DYNAMICS



THE ADVANTAGES OF THE EKO SYSTEM



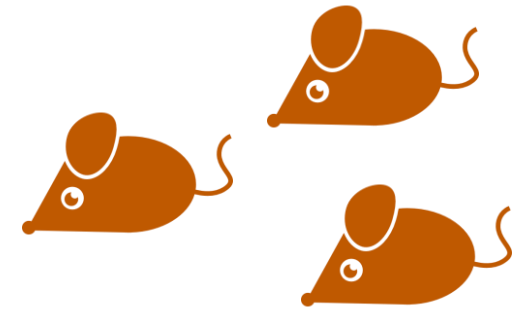
ECOLOGICAL
(Not use toxic substances)



BIOLOGICAL
(Use the behavior nature of the rodent)



SAFE
(Not dispersions of dead rodents)



EFFECTIVE IN MULTIPLE CATCHES

THE ADVANTAGES OF THE EKO SYSTEM



PROFITABLE



**VERSATILE, SIMPLE AND
EFFECTIVE**



GUARANTEED



**CERTIFICATE
ISO 22000:2005**

WHERE CAN EKOMILLE BE USED?

SLAUGHTERHOUSES



WAREHOUSES AND OFFICES



SCHOOLS



PUBLIC INSTITUTIONS



RESTAURANTS
AND HOTELS



FOOD INDUSTRIES



FARMS

WHERE CAN EKOMILLE BE USED?



Parks and green areas

Outside pest control with
a special protection
system



- HIGHLY EFFICIENT PEST CONTROL SYSTEM
- CAPTURE WITHOUT TOXIC SUBSTANCES
- WITHOUT SCATTERING OF ANIMAL REMAINS
- SAFE FOR NO TARGET ANIMALS, CHILDREN OR WORKERS
- UNIQUE SYSTEM WITH CERTIFICATION ISO 22000:2005.
(SUITABLE FOR USE IN FOOD INDUSTRIES)
- HIGHLY PROFITABLE

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