

› Maestro



DEPARTEMENT
LANDBOUW
& VISSERIJ

RADIUS @ THOMAS MORE



Eric Schmitt

Protix

Elfde Vlaams Aquacultuursymposium:
Nieuwe eiwitten voor de aquacultuur

Vlaams
Aqua
cultuur
platform

THOMAS
MORE | University of
Applied
Sciences



Who we are

Protix

Leading insect company, founded in 2009

Vision

A food system in balance with nature

Mission

Provide low-footprint insect-based nutrition to improve animal and human health



Our SDG targets push innovations towards grand impact



Less fishing for feed

ProteinX and LipidX:
Fishfeed ingredients for marine independent fish and seafood



Less land for food

ProteinX, LipidX, PureeX:
Fresh, natural feed ingredients for poultry, layers and pigs



Circular nutrition for all

ProteinX, LipidX, PureeX:
Desirable, fresh and natural ingredients for pets



SUSTAINABLE DEVELOPMENT GOALS



Insects are the solution

1.3 billion
Tons of food
Waste per
year

>9 billion
People by
2100

10%
Of all
people are
malnourished

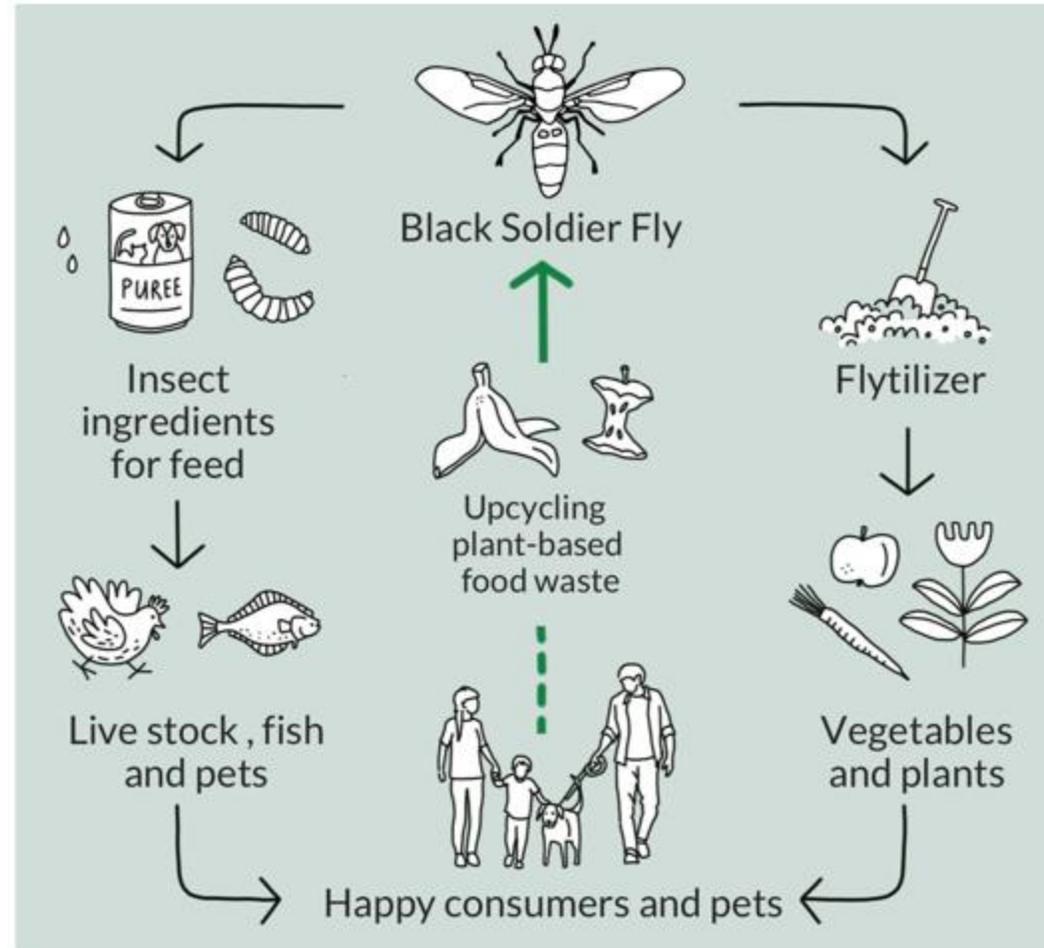
30%
Of all food
produced not
eaten

>100 million
Ton of protein
locked in food
waste

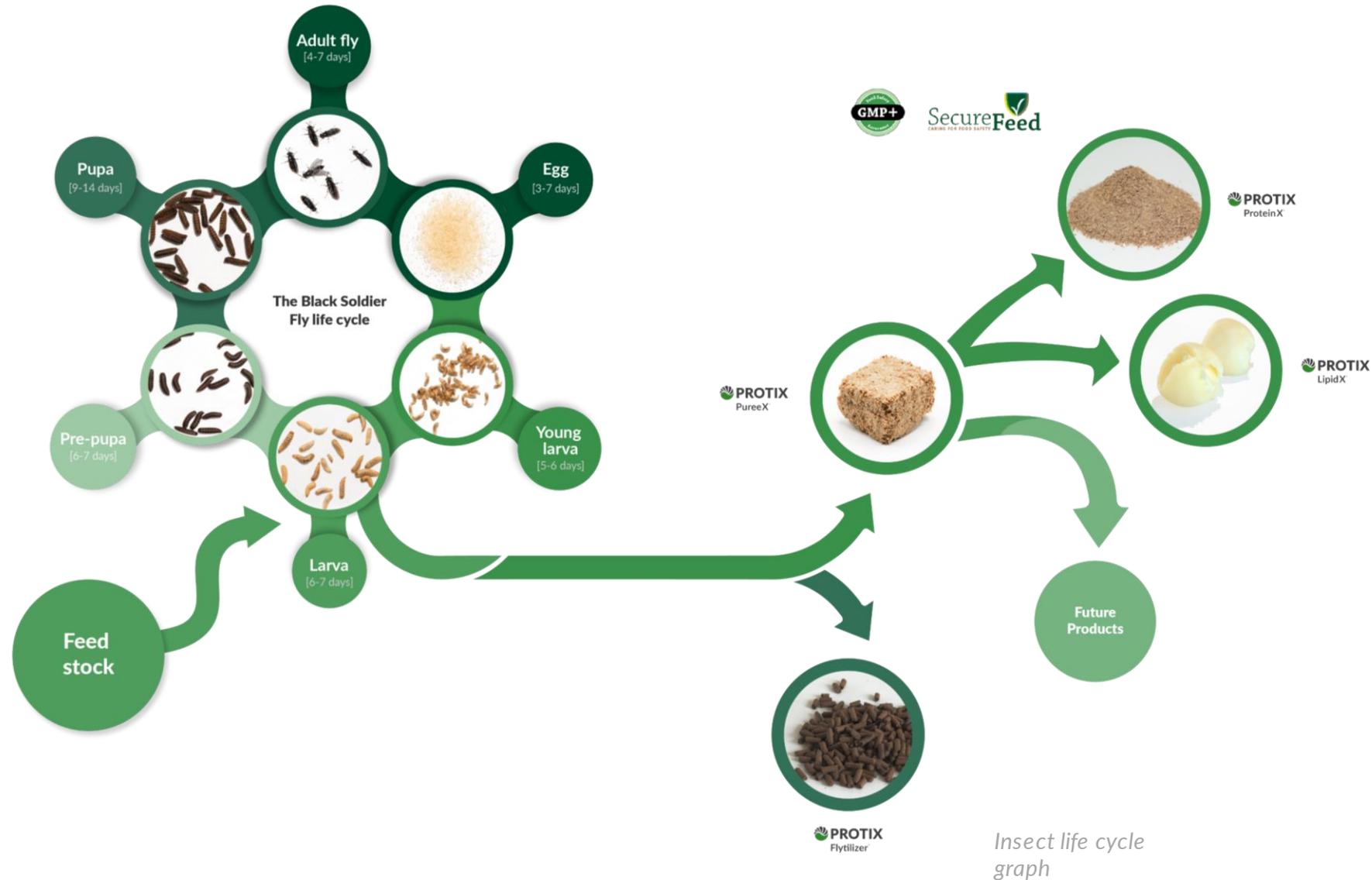


>20 million
Ton of protein
can be retrieved
by insects

Insects are circular by evolution



Insects as a unique, impactful opportunity



Our products



PROTIX ProteinX[®]

ProteinX is ideally suited for pet food and aquaculture purposes because of its nutritional profile, amino acid profile, functional properties and structure-forming capabilities when using extrusion technologies.



PROTIX LipidX[®]

LipidX is a high-quality purified insect oil that is ideal for livestock and pet food. It contains high proportions of medium chain fatty acids and provides an easily digestible source of energy.



PROTIX PureeX[®]

PureeX is a new hypoallergenic fresh ingredient that can be used as a base for wet pet food. The insects are processed fresh: all micro- and macro nutrients stay intact.



PROTIX FlytilizerX[®]

Flytilizer is an all-natural, sustainable fertilizer composed of natural by-products of the insect breeding industry: food fibers, insect skins (chitine) and droppings.



Impact of one facility

Land Occupation



GHG Emission Reductions



Water Conservation



Bio-Diversity



Replacing fishmeal

1million m² reduction

6,960 tCO₂e reduction

6,650 m³ reduction

Marine restoration



Replacing Soybean meal

13million m² reduction

8,000 tCO₂e reduction

178,600 m³ reduction Land-use reduction

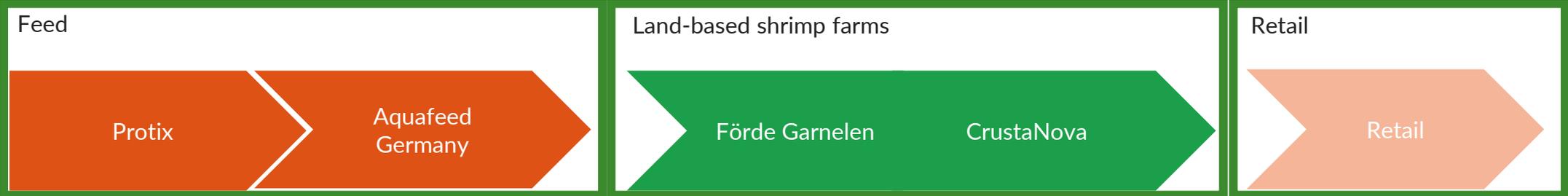


PRESS RELEASE

Key players in the aqua sector jointly launch a new feed giving a sustainable boost to shrimp production

Leading industry experts Förde Garnelen, Aquafeed Germany, Protix, neomar and Crusta Nova have joined forces to launch a new shrimp feed: SHR EX. The feed has been exclusively designed for the needs of European land-based shrimp farms as they increasingly move towards greater sustainability. SHR EX replaces marine proteins with locally produced insect protein from a circular process. The product, which will be sold by Aquafeed Germany, is not only more sustainable, initial research/also shows a significant improvement in shrimp growth and survival rates.

A value chain collaboration resulted in innovative shrimp feed: sustainable, healthy and tasty!





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