



專注於昆蟲養殖。解決動物飼料危機

Insect culturing with agroindustrial by-product.
Value-added farming with new insect protein.



Wormax.Inc

T. 05-632-7640

LINE : @wormax

Add. 1st Floor, No. Minzu Road, Wenhua

Village, Ershui Township, Changhua County, Taiwan

www.wormaxinc.com

天然昆蟲蛋白 BLACK
SOLDIER FLY
黑水虻



蟲小道大股份有限公司





Wormax Inc. is very good at using the “Black Soldier Fly” to produce animal protein, which is a new excellent protein source for the feed of livestock. We have raised the livestock by following the standard operating procedures of the European Union and the US’s AAFCO.

We use natural agroindustrial by-products (wheat bran, soybean, wheat, rice bran) and plant raw materials to prepare bait for insects, meanwhile, we never use any kitchen waste and manure of livestock. Therefore, we can reach insect-raising regulations of the fodder level of the foreign country.



Based on the core of Black Soldier Fly we have created three core technologies to make a specific Insect Conversion Platform.



1 Integrate biological pre-treatment

We have converted all kinds of agroindustrial by-products, then conducted bait pre-treatment according to different categories, then followed unique proportions to produce regulated insect bait recipes.



2 Optimizing insect protein

We use insect refining technology to purify new insect proteins and convert them into peptides to enhance their nutritional value. In addition, specializes in products with stable and standardized ingredients, providing animals with a safe and healthy source of nutrition.



3 High efficiency cultivation system

We build modular insect mass production plants through biological and chemical processes, increase unit production area, and rapidly replicate and scale up production to meet commercialization needs.

The core technology of “Wormax Inc.” can speed up the conversion of the agroindustrial by-product of the insect. It can solve not only the environmental pollution issue due to excessive agroindustrial by-products both domestically and in overseas countries but also can enhance its added value.

Our company will continue the development of related products of “Black Soldier Fly” to create the supply chain of a green and sustainable circular economy.



2018

We are recipient of excellence award of entrepreneurship from FITI innovation and entrepreneurship competition sponsored by Ministry of Science and Technology.

Wormax founding team



2019

We have finished the product effectiveness and animal test of Germination Program of the Ministry of Science and Technology.



2020

We are the recipient of first place award of commercial presentation of Consensus Camp from the Ministry of Science and Technology.



2021

Expand international business and export to Japan.



2022

Expand the pet market

Consultancy agency

BRAND STORY

蟲小道大, from small one to large one, has gradually realized the great goal of the insect industry. In addition, the tiny insect can also bring great benefit to the life of human beings.

The name Wormax is an association of Worm and Max. It represents an optimization of the development of the insect and insect industry, and it also means the creation of a future filled with the green and circular economy.

Wormax - Join hands with insects to create a better earth ecology.



Based on the core of Black Soldier Fly, we have created three core technologies.
Integrate biological pre-treatment 、Optimizing insect protein 、High efficiency cultivation system
Conversion of the agroindustrial by-products to animal protein, lipids, and organic fertilizer through black soldier fly.





Fresh black soldier fly (live insect)

It can be used as snack of livestock

- It is not recommended to give too much in one time.

Frozen black soldier fly

It is used as fodder of aquarium fish.

- There is Cathelicidin within insect body, therefore, it can prevent the infection of parasite.



Dried black soldier fly

Protein content >45%, and lipid content ≈22%

It can be used to replace animal protein in the fodder, and it can also be used as protein additive of fodder of livestock.

- Because the fat content is pretty high, therefore, the addition and replacement should be in appropriate amount.



Entomogenin (Insect protein)

Protein content >63%, and lipid content <10%

It is excellent animal protein produced through insect refinery technology developed by our company.

- It can totally replace animal protein in the fodder.



Lipid black soldier fly

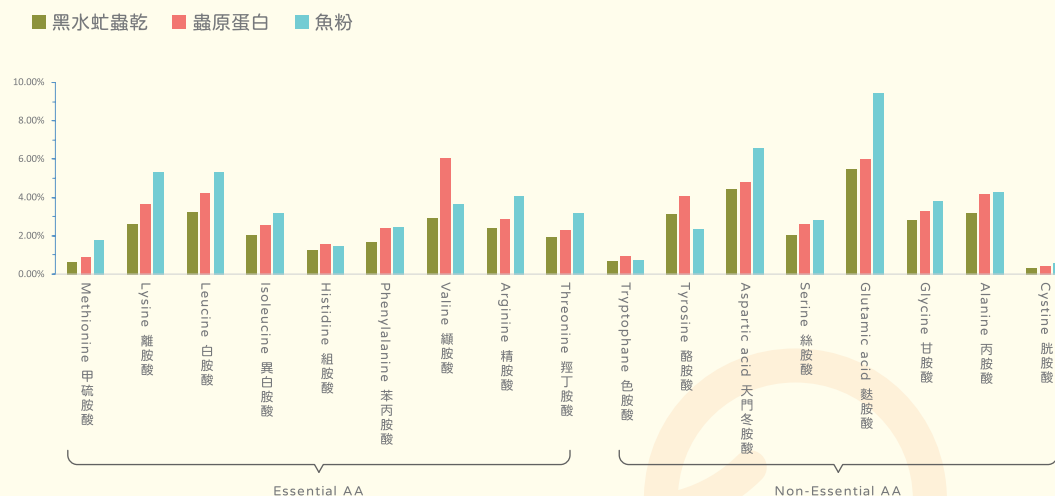
It contains rich C12 lauric acid, and the content is higher than 36%, therefore, when it is used as additive of fodder, it can enhance the anti-virus and anti-bacteria capability of livestock, and it can also provide good cholesterol.



Organic fertilizer (excrement of black soldier fly)

It is natural organic fertilizer generated by agroindustrial by-product, which is decomposed by insect, and by-product from food processing. It contains rich N2, P and K, therefore, it can be used in gardening and planting and the planting of fruits.

	Dried black soldier fly	Entomogenin (Insect protein)	Fishmeal
Methionine 甲硫氨酸	0.63%	0.92%	1.78%
Lysine 離氨酸	2.64%	3.65%	5.31%
Leucine 白氨酸	3.25%	4.25%	5.33%
Isoleucine 異白氨酸	2.09%	2.56%	3.16%
Histidine 組氨酸	1.28%	1.54%	1.46%
Phenylalanine 苯丙氨酸	1.72%	2.38%	2.50%
Valine 纈氨酸	2.94%	6.06%	3.66%
Arginine 精氨酸	2.39%	2.91%	4.10%
Threonine 羧氨酸	1.95%	2.28%	3.16%
Tryptophane 色氨酸	0.69%	0.94%	0.74%
Tyrosine 酪氨酸	3.12%	4.09%	2.37%
Aspartic acid 天門冬氨酸	4.45%	4.80%	6.60%
Serine 絲氨酸	2.08%	2.62%	2.80%
Glutamic acid 麩氨酸	5.48%	6.00%	9.46%
Glycine 甘氨酸	2.83%	3.33%	3.83%
Alanine 丙氨酸	3.20%	4.18%	4.28%
Cystine 胱氨酸	0.33%	0.43%	0.58%





Brightening formula

Astaxanthin, a natural carotenoid and natural antioxidant, rich in vitamin C

- ★ Antioxidant function.
- ★ Effectively regulates immunity and rejuvenates the skin.
- ★ Fur maintenance promotes skin health



Hypoallergenic formula

Rice bran yeast, rich in unsaturated fatty acids, linoleic acid, linolenic acid.

- ★ Maintain normal metabolism of fat and blood sugar.
- ★ Regulates good gut bacteria and reduces allergic reactions.
- ★ Strengthen and adjust the physique.



Gut health formula

Bromelain, rich in endopeptidase, phosphatase, glucosidase, peroxidase, cellulase

- ★ Promote protein absorption.
- ★ Maintain digestive tract function.
- ★ Promote gastrointestinal motility.



Polysaccharide formula

Polysaccharide, rich in proteoglycans

- ★ Effectively increase natural resistance.
- ★ To promote metabolism
- ★ Regulate immunity



Frozen black soldier fly

Quick sterilization, and low-temperature freezing, lock in the original taste of fresh insects .

- ★ Rich protein, calcium, C-12 Lauric acid, and antimicrobial peptides.



Concentrated extraction of insect protein

Fresh insect refining, enzyme extraction, high protein, high calcium, and low lipids.

- ★ Extracted nutritional protein concentrate
- ★ Antibacterial peptides, enhance physical fitness, change the intestinal flora ecology, and maintain the growth of good bacteria
- ★ Natural biological calcium, calcium to phosphorus ratio 1.67:1