

AgriProtein

Nature's Natural Feed Ingredients



MagMeal™

"Unsurprisingly, the animal and digestibility trials were superb. After all, it is the feed they would naturally forage for."

*Dr. Elsje Pieterse, Department of Animal Science,
Stellenbosch University*

MagMeal™ is our core product. It is made from sustainable, dried and defatted insect larvae, that are ground into a high quality protein meal.

MagMeal™ can be blended into a variety of animal feeds, can lead to a reduction in required antibiotic use, and has been shown to result in healthy fish and poultry.

MagMeal™ also results in improved feed conversion rates compared to fishmeal and soymeal, and can nutritionally replace both in monogastric animal diets, including chickens, pigs, fish, and companion animals.

MagMeal™ larvae are washed and dried under strict environmental conditions to yield the highest quality protein. The protein content of the final product is higher than **Whole Dried Larvae** with a fat content below 10%.

Appearance

Dark, rich texture, with a slightly nutty flavor. Product can be supplied either crushed or milled for blending into animal feeds.

Product Specifications

Crude protein (min)	500 g/kg
Moisture (max)	100 g/kg
Crude fiber (max)	130 g/kg
Crude fat (max)	100 g/kg
Calcium (max)	30 g/kg
Phosphorus (max)	5 g/kg

AgriProtein has been leading the new industry of insect based nutrient recycling since 2009. AgriProtein scientists and nutritionists have analysed the nutritional value of fly larvae, fed on existing organic waste sources, and have developed and tested this sustainable source of high quality protein.

In 2015, our first full-scale factory came on line, capable of diverting 110 tonnes of organic waste from landfill every day, and using it to grow 22 tonnes of nutrient rich larvae.

Partners



UNIVERSITEIT
STELLENBOSCH
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BILL & MELINDA
GATES foundation



Technical Specification

Amino Acid	g/100g DM*	% CP**
Alanine	3.78	6.85
Arginine	1.29	5.16
Aspartic Acid	4.16	7.53
Cysteine	2.43	4.77
Glutamic Acid	5.64	10.19
Glycine	2.63	4.78
Histidine	1.68	2.99
HO-Proline	0.09	0.18
Isoleucine	2.36	4.23
Leucine	3.43	6.14
Lysine	3.91	7.08
Methionine	1.08	2.06
Phenylalanine	2.07	3.71
Proline	2.82	5.10
Serine	2.23	4.03
Threonine	1.84	3.33
Tryptophan	0.97	1.78
Tyrosine	4.35	7.77
Valine	2.94	5.30

Product Safety

MagMeal™ complies with national and international regulations on animal feed safety. Batches of product are routinely analysed for pathogens, heavy metals and mycotoxins.

Storage

Store at ambient temperatures, preferably below 25°C, out of direct sunlight and keep away from moisture. Shelf life is 12 months from date of production.

Packaging

Available in 1 tonne bulk bags or 25kg bags.

* DM - Sample Dry Matter (30% Fat)

** CP - Crude Protein

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For sales enquiries visit www.agriprotein.com, email sales@agriprotein.com, or contact your regional office.

N	P	K	Ca	Mg	Na	Mn	Fe	Cu	Zn	B
%	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
5.24	0.82	0.96	2.65	0.29	3425	158	237	10.8	122.4	10.8

Fish



- Sustainable solution, which improves animal production parameters
- Non-GMO, and a natural blend of essential amino acids
- Replaces up to 100% fishmeal
- Better feed conversion rates
- Healthy & tasty fish

Broiler chickens and layer hens



- Healthy, happy, & clean chickens
- Natural solution for improved digestibility, and intestinal health
- Reduced antibiotics & supplements
- Reduced gizzard erosion & strong bones
- Better feed conversion rates
- Heavier eggs, and tasty meat

Our environment



- Sustainable
- Low CO2 footprint
- Reduces overfishing
- Non-GMO
- Natural & Organic
- Reduces landfill