

## Aegis Soldier Worms™

Soldier Worms™ are a high calcium, high protein feeder insect, also known as black soldier fly larvae (*Hermetia illucens*).

They can be used as a treat for reptiles, birds, fish, spiders, tenrecs and other insect-loving animals.

They are a nutritious and environmentally-friendly alternative to mealworms, superworms, crickets and dubia roaches.

Soldier Worms™ are naturally high in calcium so there is no need to dust them with calcium powder.

## Product & Company Information

### PRODUCT INFORMATION

Black soldier fly larvae have over 50 times the calcium of other feeder insects. The high calcium content means they can halt or reverse the effects of metabolic bone disease (MBD). Our insects are fed and reared in a sustainable way, making this an environmentally friendly product.

### FEEDING GUIDELINES

Feed in quantities as a treat. In addition to this, provide a fresh balanced diet according to your pet's requirements. Discard old food before refilling feeders. Ensure feeders are regularly cleaned.

### WARNING

Soldier Worms™ are meant to make your pet happy. So please do not eat their treats.

### STORAGE

Store in a cool dry place away from sunlight.

### ABOUT AEGIS AGRICULTURE

Our goal is to produce safe and nutritious feeder insects while improving the environment by upcycling nutrients.

# Aegis Soldier Worms™ Comparison

## As Fed<sup>1</sup>

	Black Soldier Fly Larvae	Mealworms	Superworms	Crickets	Dubia Roaches
Moisture	61%	62%	59%	61%	66%
Protein <sup>2</sup>	18%	19%	19%	23%	23%
Fat	14%	13%	15%	7%	7%
Fiber	3%	3%	6%	2%	3%
Ash <sup>3</sup>	4%	1%	1%	1%	1%
Ca:P Ratio <sup>4</sup>	3:1	1:7	1:4	1:7	1:3

## Dry Matter

	Black Soldier Fly Larvae	Mealworms	Superworms	Crickets	Dubia Roaches
Moisture	<10%	<10%	<10%	<10%	<10%
Protein (min)	46%	50%	46%	59%	68%
Fat (min)	36%	34%	37%	18%	21%
Fiber (max)	8%	8%	15%	5%	9%
Ash (max)	10%	3%	2%	3%	3%
Ca (min)	2.3%	0.04%	0.03%	0.04%	0.07%

### Notes

<sup>1</sup> Moisture content (“As Fed”) can distort individual nutrition percentages.

<sup>2</sup> Higher levels of protein can be as a result of chitin, an indigestible protein (an example of this is crickets).

<sup>3</sup> Higher levels of ash correlate with higher levels of vitamins/minerals as well as a larger gut capacity.

<sup>4</sup> Most insects contain more phosphorous than they do calcium, which is why its necessary to dust with calcium. An exception is black soldier fly larvae.

### References

<https://www.reptifiles.com/feeder-insect-nutrition-facts-chart/>

[www.grubco.com](http://www.grubco.com)

<https://dubiaroaches.com/pages/dubia-roach-nutrition-facts>

Finke, M.D. 2015. Complete Nutrient Content of Four Species of Commercially Available Insects Fed Enhanced Diets During Growth. *Zoo Biology* 34(6).