

Mazuri® Hi Calcium Gut Loading Diet

Available at www.mazuri.com or through a Mazuri® retailer.



Formula Code – 5M38

Description

Mazuri® Hi Calcium Gut Loading Diet is a diet formulated to contain a high level of calcium for crickets and other feeder insects which are intended to be used in the diets of other animals. This diet is to be fed to crickets in order to increase the calcium level of the gut-fill; this helps balance the calcium to phosphorus ratio of the crickets and other feeder insects when they are consumed by animals. This diet is not intended for use in breeding or raising insects.

Features and Benefits

- **Contains high level of calcium** - Helps balance calcium to phosphorus ratio.
- **Palatable** - Readily eaten by crickets.
- **Shown to improve calcium:phosphorous ratio in adult crickets, mealworms and superworms*.**



Product Form

Meal.

- 1 kg container 0007067
- 25 lb. net weight encased plastic bag 1815067

Guaranteed Analysis

Crude protein not less than	18.0%	Calcium not less than	8.0%
Crude fat not less than	3.5%	Calcium not more than	9.0%
Crude fiber not more than	9.0%	Phosphorus not less than	0.60%
Moisture not more than	12.0%	Sodium not more than	0.55%
Ash not more than	20.0%		

Ingredients

Ground corn, dehulled soybean meal, calcium carbonate, wheat middlings, ground soybean hulls, porcine meat and bone meal, porcine animal fat preserved with BHA and citric acid, salt, dl-methionine, choline chloride, magnesium oxide, nicotinic acid, calcium pantothenate, riboflavin supplement, dl-alpha tocopheryl acetate (form of vitamin E), thiamine mononitrate, vitamin A acetate, folic acid, manganous oxide, zinc oxide, ferrous carbonate, pyridoxine hydrochloride, menadione sodium bisulfite complex (source of vitamin K), copper sulfate, zinc sulfate, calcium iodate, sodium selenite, cobalt carbonate, cholecalciferol (form of vitamin D₃), vitamin B₁₂ supplement.

Feeding Directions

- Feed to crickets or other feeder insects free-choice for 24-72 hours. No supplementation is needed.
- When this diet is consumed, the total body calcium of the crickets and feeder insects is increased. The presence of this diet in the gut of the feeder insects results in a higher level of calcium being delivered to reptiles and other animals that eat them.
- Fresh water should be available to crickets at all times.

*Research findings:

- *Evaluation of nutrient composition of common invertebrate feeders fed different supplemental diets.* Latney, L.V., Toddles, B.D., Wyre, N.R., Brown, D.C., Briscoe, J.A., 2009. *Proc. Nutrition Advisory Group. Tulsa, OK, pp 22-23.*
 - o **Overview** - Mealworms and superworms were fed a variety of diets for 48-244 hours, then proximate and mineral composition was measured. Calcium uptake by the insects was highest for these fed Mazuri® High Calcium Cricket Diet, providing a more ideal calcium:phosphorus balance.

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Approximate Nutrient Composition¹

NUTRIENTS

Protein, %	18
Arginine, %	1.1
Cystine, %	0.24
Glycine, %	1.0
Histidine, %	0.45
Isoleucine, %	0.83
Leucine, %	1.3
Lysine, %	1.0
Methionine, %	0.30
Phenylalanine, %	0.84
Tyrosine, %	0.57
Threonine, %	0.65
Tryptophan, %	0.23
Valine, %	0.93

Fat (Ether extract), % **3.5**

Fiber (Crude), % **9.0**
Neutral Detergent Fiber, % 17
Acid Detergent Fiber, % 8.2

MINERALS

Ash, %	17
Calcium, %	8.2
Phosphorus, %	0.63
Phosphorus (non-phytate), %	0.36
Potassium, %	0.91
Magnesium, %	0.25
Sodium, %	0.20
Chloride, %	0.30
Iron, ppm	365
Zinc, ppm	90
Manganese, ppm	130
Copper, ppm	13
Iodine, ppm	0.80
Selenium (added), ppm	0.15

VITAMINS

Thiamin, ppm	9.2
Riboflavin, ppm	7.4
Niacin, ppm	60
Pantothenic acid, ppm	15
Choline, ppm	850
Folic acid, ppm	2.5
Pyridoxine, ppm	4.8
Biotin, ppm	0.15
Vitamin B ₁₂ , µg/kg	9.4
Vitamin A (added), IU/kg	12,525
Vitamin D ₃ , IU/kg	2,350
Vitamin E, IU/kg	19
Vitamin K (as menadione), ppm	0.19
Beta-carotene, ppm	0.24

Storage Conditions

For best results, after removal of desired dosage store contents of open bag in container with sealing lid. Store in a cool (75oF or colder), dry (approximately 50% RH) location. Freezing will not harm the diet and may extend freshness. Use within 1 year of printed lot code.

DO NOT use moldy or insect-infested feed.

¹ Based on the latest ingredient analysis information. Since nutrient composition of ingredients varies, analyses will vary accordingly.

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