

Advanced Protocol® High Calcium Cricket

5LP9*

DESCRIPTION

Advanced Protocol® High Calcium Cricket is a diet formulated to contain a high level of calcium for crickets 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 when they are consumed by animals. This diet is not intended for use in breeding or raising crickets. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies.

Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- Contains a high level of calcium which helps balance the calcium to phosphorus ratio
- Palatable and readily eaten by crickets

Product Forms Available

- Meal

GUARANTEED ANALYSIS

Crude protein not less than	19.0%
Crude fat not less than	4.0%
Crude fiber not more than	9.0%
Calcium (Ca) not less than	8.00%
Calcium (Ca) not more than	9.00%
Phosphorus (P) not less than	0.60%
Sodium (Na) not more than	0.40%

INGREDIENTS

Ground corn, calcium carbonate, dehulled soybean meal, wheat middlings, ground soybean hulls, porcine meat meal, fish meal, porcine animal fat preserved with BHA, salt, magnesium oxide, DL-methionine, cholecalciferol, choline chloride, vitamin A acetate, pyridoxine hydrochloride, folic acid, calcium pantothenate, thiamin mononitrate, riboflavin, menadione dimethylpyrimidinol bisulfite, nicotinic acid, dl-alpha tocopheryl acetate, vitamin B₁₂ supplement, manganese oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, sodium selenite.

FEEDING DIRECTIONS

Feed to crickets free-choice. No supplementation is needed.

When this diet is consumed, the total body calcium of the crickets is increased. The presence of this diet in the gut of the crickets results in a higher level of calcium being delivered to reptiles and other animals that eat the crickets.

Fresh water should be available to crickets at all times.

CAUTION: Store in a dry, well-ventilated area free from rodents and insects. **DO NOT** use moldy or insect-infested feed.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	19.6
Arginine, %	1.25
Cystine, %	0.26
Glycine, %	1.16
Histidine, %	0.49
Isoleucine, %	0.93
Leucine, %	1.47
Lysine, %	1.12
Methionine, %	0.35
Phenylalanine, %	0.91
Tyrosine, %	0.61
Threonine, %	0.72
Tryptophan, %	0.25
Valine, %	1.03
Serine, %	1.00
Aspartic Acid, %	2.07
Glutamic Acid, %	4.10
Alanine, %	1.08
Proline, %	1.48
Taurine, %	0.01

Fat (ether extract), % 4.0

Fat (acid hydrolysis), % 5.0

Cholesterol, ppm	130
Linoleic Acid, %	1.06
Linolenic Acid, %	0.08
Arachidonic Acid, %	0.01
Omega-3 Fatty Acids, %	0.12
Total Saturated Fatty Acids, %	1.31
Total Monounsaturated Fatty Acids, %	1.29

Fiber (Crude), % 6.0

Neutral Detergent Fiber³, % 15.6

Acid Detergent Fiber⁴, % 7.3

Nitrogen-Free Extract

(by difference), % 43.1

Starch, % 27.4

Glucose, % 0.16

Fructose, % 0.15

Sucrose, % 0.85

Lactose, % 0.00

Total Digestible Nutrients, % 61.9

Gross Energy, kcal/gm 3.50

Physiological Fuel Value⁵, kcal/gm 2.87

Metabolizable Energy, kcal/gm 2.41

Minerals

Ash, % 17.3

Calcium, % 8.30

Phosphorus, % 0.69

Phosphorus (non-phytate), % 0.43

Potassium, % 0.88

Magnesium, % 0.25

Sulfur, %	0.20
Sodium, %	0.25
Chlorine, %	0.37
Fluorine, ppm	28
Iron, ppm	440
Zinc, ppm	85
Manganese, ppm	73
Copper, ppm	12
Cobalt, ppm	0.20
Iodine, ppm	0.61
Chromium, ppm	0.12
Selenium, ppm	0.30

Vitamins

Carotene, ppm	1.0
Vitamin K (as menadione), ppm	0.26
Thiamin Hydrochloride, ppm	9.6
Riboflavin, ppm	8.0
Niacin, ppm	63
Pantothenic Acid, ppm	16
Choline Chloride, ppm	1200
Folic Acid, ppm	2.7
Pyridoxine, ppm	5.0
Biotin, ppm	0.17
B ₁₂ , mcg/kg	14
Vitamin A, IU/gm	13
Vitamin D ₃ (added), IU/gm	2.5
Vitamin E, IU/kg	20
Ascorbic Acid, mg/gm	0.0

Calories provided by:

Protein, %	27.336
Fat (ether extract), %	12.552
Carbohydrates, %	60.112

*Product Code

1. Formulation based on calculated values from the latest ingredient analysis information. Since nutrient composition of natural ingredients varies and some nutrient loss will occur due to manufacturing processes, analysis will differ accordingly.
2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
3. NDF = approximately cellulose, hemi-cellulose and lignin.
4. ADF = approximately cellulose and lignin.
5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.