

# NutraZu® Hand Feeding Formula

(Visit [www.nutrazu.com](http://www.nutrazu.com) to find a distributor in the UK and EU.)

## Formula Code – 5M2E

### Description

NutraZu® Hand Feeding Formula is a complete diet designed to promote optimal growth and development for most frugivorous and granivorous avian species from the day of hatch through weaning.

### Features and Benefits

- Designed to promote hydration in young birds.
- Ideal levels of natural pigments and vitamins.
- Contains natural source of vitamin E.
- Natural preservatives, and no artificial flavors or colors.
- Contains probiotic organisms - May help initiate gastrointestinal micro flora development.
- Easy to mix - Mixing accuracy can be easily observed.
- Iron controlled formula - Ideal for iron-sensitive species.

### Product Form

Powder.

- 20 lb. bucket

### Catalog #

1815874

### Guaranteed Analysis (Dry powder)

Crude protein not less than .....20.5 %  
Crude fat not less than .....9.0%  
Crude fiber not more than .....2.5%  
Moisture not more than .....12.0%  
Ash not more than.....7.0%  
Vitamin E not less than .....125 IU/kg

### Ingredients

Wheat flour, dehulled soybean meal, corn starch, sucrose, soybean oil, soy protein concentrate, brewers dried yeast, dicalcium phosphate, calcium carbonate, lecithin, tagetes (Aztec marigold) extract (color), dl-methionine, l-ascorbyl-2-polyphosphate (stabilized vitamin C), pyridoxine hydrochloride, potassium sulfate, choline chloride, biotin, mixed tocopherols (preservative), Lactobacillus acidophilus fermentation product dehydrated, canthaxanthin (color), menadione sodium bisulfite complex (source of vitamin K), Lactobacillus casei fermentation product dehydrated, d-alpha tocopheryl acetate (form of vitamin E), rosemary extract, Bifidobacterium thermophilum fermentation product dehydrated, zinc sulfate, manganese sulfate, citric acid, Enterococcus faecium fermentation product dehydrated, folic acid, ferrous sulfate, thiamin mononitrate, active dried yeast, riboflavin, nicotinic acid, calcium pantothenate, ground rice hulls, dried Aspergillus niger fermentation extract, vegetable oil, dried yucca shidigera extract, vitamin B<sub>12</sub> supplement, copper sulfate, papaya, beta-carotene, cholecalciferol (form of vitamin D<sub>3</sub>), vitamin A acetate, potassium iodate, sodium selenite.

### Mixing & Feeding Directions

- Prepared NutraZu® Hand Feeding Formula is designed for feeding chicks.
- Never feed dry powder without first combining with water. Use good sanitation practices and good quality water.
  1. To ensure complete hydration of the product, mix with cold water then add hot water to reach feeding temperatures: 37° to 41° C.
    - Under- and over-heating can cause impaired gastric motility and crop burns, respectively.
  2. Water:powder ratio may vary due to species. Measuring of powder by weight is recommended; see below for average weight. Suggested mixing ratios include:
    - In the first weeks post-hatch, 90% water:10% powder (by weight).
    - As the bird grows, 70% water:30% powder (by weight).
  3. Mix thoroughly with a fork or whisk until fully mixed.
    - The product will turn pink upon mixing, which is normal and provides important pigments to the birds and ensures that mixing is adequate. Some pigments may not be fully absorbed, and pink feces may be observed.
  4. Refrigerate until feeding time, within 6 hours of mixing. Reheating is not advised
  5. Feed until the crop is full using the appropriate hand-feeding syringe. Do not overfeed.
    - Most chicks will consume 10% or more of their body weight per feeding, but daily monitoring of weights is the most accurate way to ensure proper growth and feeding rates.
    - Several weeks before weaning, provide chicks with the food items that it will be consuming, such as high quality extruded diet (e.g., NutraZu® Parrot Breeder Diet or NutraZu® Small Bird Breeder Diet), plus 10-20% (by weight) fruits, veggies and other food items.

# NutraZu® Hand Feeding Formula

## Approximate Nutrient Composition<sup>1</sup>

### NUTRIENTS

<b>Protein, %</b> .....	<b>20.5</b>
Arginine, % .....	1.4
Cystine, % .....	0.40
Glycine, % .....	0.92
Histidine, % .....	0.53
Isoleucine, % .....	1.1
Leucine, % .....	1.7
Lysine, % .....	1.2
Methionine, % .....	0.65
Phenylalanine, % .....	1.1
Tyrosine, % .....	0.70
Threonine, % .....	0.87
Tryptophan, % .....	0.30
Valine, % .....	1.1

<b>Fat (Ether extract), %</b> .....	<b>9.0</b>
Linoleic acid, % .....	4.3
Omega-3 Fatty Acids, % .....	0.58
Omega-6 Fatty Acids, % .....	4.3

<b>Fiber (Crude), %</b> .....	<b>2.5</b>
Neutral Detergent Fiber, % .....	3.7
Acid Detergent Fiber, % .....	2.1

<b>Metabolizable Energy<sup>2</sup>,</b>	
kcal/g .....	3,870

### MINERALS

Ash, % .....	5.0
Calcium, % .....	1.2
Phosphorus, % .....	0.76
Phosphorus (non-phytate), % .....	0.53
Potassium, % .....	0.84
Magnesium, % .....	0.12
Sodium, % .....	0.21
Chloride, % .....	0.35
Iron, ppm .....	110
Zinc, ppm .....	60
Manganese, ppm .....	80
Copper, ppm .....	15
Iodine, ppm .....	0.75
Selenium (added), ppm .....	0.13

### VITAMINS

Thiamin, ppm .....	10
Riboflavin, ppm .....	9.3
Niacin, ppm .....	63
Pantothenic acid, ppm .....	17
Choline, ppm .....	915
Folic acid, ppm .....	3.4
Pyridoxine, ppm .....	11
Biotin, ppm .....	0.63
Ascorbic acid, ppm .....	330
Vitamin B <sub>12</sub> , µg/kg .....	13
Vitamin A, IU/kg .....	3,850
Vitamin D <sub>3</sub> , IU/kg .....	1,970
Vitamin E, IU/kg .....	125
Vitamin K (as menadione), ppm .....	3.0
Beta-carotene, ppm .....	0.59

### Storage Conditions

For best results, after removal of required amount store in original container with lid firmly affixed. Store in a cool 23°C or colder), dry (approximately 50% RH) location. Use within 1 year of manufacturing date.

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

<sup>2</sup> Calculated using data from domesticated poultry.

NutraZu® is a registered trademark of PMI Nutrition International, LLC.