

Nestling Songbird Hand Feeding Formula

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

Formula Code - 5S90



Description

Mazuri® Nestling Songbird Hand Feeding Formula is a complete diet designed to promote optimal growth and development for nestling songbirds.

Features and Benefits

- **Designed to promote hydration in young birds** - No gums that may dehydrate chicks.
- **Natural pigments** - Promotes coloration as seen in the wild.
- **Natural preservatives, and no artificial flavors or colors.**
- **Contains probiotic organisms** - Support gastrointestinal microflora development.
- **Tested in rehabilitation setting.**
- **Complete and easy to use** - Just add water, mix and feed!

Product Form

Meal.

- 1 kg canister

Catalog

1813053

Guaranteed Analysis (dry meal)

Crude protein not less than	45.0%
Crude fat not less than	22.0%
Crude fiber not more than	3.0%
Moisture less than	8.0%
Ash less than	9.0%
Calcium not more than	1.45%
Phosphorus not more than	1.10%



Ingredients

Soy protein concentrate, dried egg product, chicken preserved with BHA, propyl gallate and citric acid, menhaden meal, corn starch, soybean oil, dl-methionine, brewers dried yeast, microcrystalline cellulose, lecithin, tagetes (aztec marigold) extract (color), wheat flour, xanthan gum, calcium carbonate, choline chloride, taurine, preserved with mixed tocopherols (form of vitamin E), dried Lactobacillus acidophilus fermentation product, dried Lactobacillus casei fermentation product, rosemary extract, dried Bifidobacterium thermophilum fermentation product, citric acid (a preservative), dried Enterococcus faecium fermentation product, preserved with mixed tocopherols (form of vitamin E), l-ascorbyl-2-polyphosphate (stabilized vitamin C), rosemary extract, manganese sulfate, citric acid (a preservative), zinc sulfate, d-alpha tocopheryl acetate (form of vitamin E), nicotinic acid, copper sulfate, calcium pantothenate, pyridoxine hydrochloride, riboflavin supplement, thiamine mononitrate, menadione sodium bisulfite complex (source of vitamin K), folic acid, vitamin A acetate, potassium iodate, biotin, beta carotene, sodium selenite, cholecalciferol (form of vitamin D₃), vitamin B₁₂ supplement.

Mixing & Feeding Directions

- Prepared Mazuri® Nestling Songbird 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: 100° to 106° F.
 - Under- and over-heating can cause impaired gastric motility and crop burns, respectively.
 2. Water:formula ratio may vary due to species. Measuring of powder by weight is recommended; see below for average weight. Suggested mixing ratios should be modified to fit the nutritional and hydration needs of the birds you are feeding, and to ensure that the product will flow through the syringe you are using.
 - 80% water:20% meal (by weight) to 60% water:40% meal (by weight).
 - Do not dilute the formula excessively as this will reduce calories fed to the chick and will impair growth and development.
 3. Mix thoroughly with a fork or whisk until fully mixed.
 4. Store refrigerated until feeding time. Allow portion to be fed to reach room temperature prior to feeding; reheating is not advised. Use within 6 hours of mixing.
 5. Do not overfeed. Feed until crop is full (not over distended) using the appropriate hand-feeding syringe.
 - 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.
 - Some species (house finches, sparrows, grackles) will continue to gape and beg when crops are full.
For more information see Hand-Rearing Birds by Gage and Duerr, 2007 - John Wiley & Sons.
 6. As soon as chicks are able, begin introducing species-appropriate whole food items (e.g. insects, seeds) to bird intended for release. Provide chicks with any other food items to be consumed, such as high quality extruded diet (e.g., Mazuri® Small Bird Breeder or Mazuri® Insectivore Diet) plus 10-20% (by weight) species-appropriate whole food items.

Mazuri® Nestling Songbird Hand Feeding Formula

Approximate Nutrient Composition¹

NUTRIENTS

Protein, %	45
Arginine, %.....	3.4
Cystine, %.....	1.1
Glycine, %.....	2.0
Histidine, %.....	1.2
Isoleucine, %.....	2.5
Leucine, %.....	4.2
Lysine, %.....	3.6
Methionine, %.....	2.2
Phenylalanine, %.....	2.6
Tyrosine, %.....	1.8
Threonine, %.....	2.3
Tryptophan, %.....	0.64
Valine, %.....	2.8
Taurine, %.....	0.25

Fat (Ether extract), %	22
Linoleic acid, %.....	7.2
Omega-3 Fatty Acids, %.....	4.2
Omega-6 Fatty Acids, %.....	9.4

Fiber (Crude), %	3.0
Neutral Detergent Fiber, %.....	2.1
Acid Detergent Fiber, %.....	7.1

Metabolizable Energy²,	
kcal/kg.....	3,070

MINERALS

Ash, %.....	6.6
Calcium, %.....	1.3
Phosphorus, %.....	1.0
Phosphorus (non-phytate), %.....	0.75
Potassium, %.....	0.94
Magnesium, %.....	0.14
Sodium, %.....	0.29
Chloride, %.....	0.41
Iron, ppm.....	195
Zinc, ppm.....	65
Manganese, ppm.....	75
Copper, ppm.....	15
Iodine, ppm.....	1.4
Selenium (added), ppm.....	0.10

VITAMINS

Thiamin, ppm.....	9.0
Riboflavin, ppm.....	12
Niacin, ppm.....	64
Pantothenic acid, ppm.....	26
Choline, ppm.....	1,360
Folic acid, ppm.....	4.2
Pyridoxine, ppm.....	10
Biotin, ppm.....	1.6
Ascorbic acid, ppm.....	230
Vitamin B ₁₂ , µg/kg.....	48
Vitamin A, IU/kg.....	4,095
Vitamin D ₃ , IU/kg.....	2,065
Vitamin E, IU/kg.....	130
Vitamin K (as menadione), ppm.....	6.0
Beta-carotene, ppm.....	0.41

Storage Conditions

For best results, after removal of required amount store in original container with lid. Store in a cool (75°F or colder), dry (approximately 50% RH) location. Use within 1 year of manufacturing date.

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

² Calculated using data from domesticated poultry.

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Pictures courtesy of Dr. Erica Miller, 2009