

# Handfeeding Formula

## All Hookbill Species



Zeigler® Handfeeding Formula is a completely balanced diet for hand-rearing all hookbill species. This diet supplies the essential amino and fatty acids, vitamins, trace minerals, and energy required for development and growth of baby birds.

Zeigler® Handfeeding Formula provides 100% of the daily nutrient requirements for growing birds. Dietary supplementation is not recommended. This diet is easily fed and highly digestible. Zeigler's drug-free manufacturing process reduces the risk of contamination and provides for uncompromised quality and product consistency.

### Feeding Instructions:

Thoroughly mix hot water (from the tap) or boiling water (for younger chicks) with 30% solids in a feeding cup to feed chicks 4 days after hatching. Gradually increase the proportion of solids to 40% until the chicks are 30 days old. Cool the formula to a slightly warmer than normal room temperature, it will have applesauce consistency or slightly thinner.

To feed use a teaspoon or demitasse spoon with sides bent up to form a trough. Large syringes have also been used successfully, but care should be taken not to get the formula into the windpipe. It needs an experienced person. Feeding response is stimulated by touching the beak or back corners of the beak with the spoon containing warm formula. Chicks get used to this technique within 3-4 days and readily open their gullet for the formula.

### Guaranteed Analysis

Crude Protein	Min.	20.0%
Crude Fat	Min.	6.0%
Crude Fiber	Max.	1.5%
Moisture	Max.	13.0%
Total Ash	Max.	6.5%
Ascorbic Acid	Min.	70 ppm

Young chicks should be fed every 3-4 hours during the day time. Note the condition of the crop prior to each feeding. Reduce the number of feedings as the chick gets older. Hand feeding three times a day is sufficient for a 30 day old chick. Hand feeding should be eliminated completely or reduced to one spoon feeding as soon as chicks are self feeding well from the feeding cups. When the chicks are 30-40 days old, offer fruits once a day as a treat only (in between the two main feedings). When the chicks are 45 days old, start on the small sized Zeigler pelleted starter/breeder diet while gradually phasing out the formula.

### Calculated Nutrient Composition

Amino Acid Concentration (% of total diet)		Mineral Concentration		Vitamin Concentration	
Arginine	1.45	Calcium	% 1.35	Vitamin A	IU/g 5.83
Lysine	1.58	Phosphorus	% 0.99	Vitamin D <sub>3</sub>	IU/g 0.63
Methionine	0.42	Potassium	% 0.61	Alpha-Tocopherol	IU/kg 46.85
Cystine	0.30	Sodium	% 0.02	Thiamine	ppm 11.20
Tryptophan	0.29	Magnesium	% 0.15	Riboflavin	ppm 14.12
Histidine	0.50	Iron	ppm 165.99	Niacin	ppm 80.13
Leucine	1.43	Zinc	ppm 53.61	Pantothenic Acid	ppm 15.88
Isoleucine	0.79	Manganese	ppm 81.96	Choline	ppm 3,188.87
Phenylalanine	0.84	Copper	ppm 17.64	Pyridoxine	ppm 11.39
Tyrosine	0.60	Cobalt	ppm 0.32	Folic Acid	ppm 3.74
Threonine	0.64	Iodine	ppm 0.39	Biotin	ppm 0.42
Valine	0.78			Vitamin B12	ppb 48.55
				Vitamin K	ppm 7.52

### Ingredients:

Soy Flour, Wheat Flour, Corn Flour, Granulated Sugar, Corn Starch, Soy Lecithin, Dicalcium Phosphate, Soy Oil, Limestone Ground, Dried Kelp Algae Meal, Fish Protein Concentrate, Grain Distillers Dried Yeast, Cheese Flavor, Orange Flavor, dl-Methionine, L-Lysine, Magnesium Oxide, Ferrous Sulfate, Manganese Sulfate, Zinc Sulfate, Copper Sulfate, Cobalt Carbonate, Potassium Iodide, Sodium Selenite, Wheat Middlings, dl-Alpha Tocopheryl Acetate (Source of Vitamin E), Niacin, Vitamin B12 Supplement, Menadione Sodium Bisulfite Complex (source of Vitamin K Activity), Riboflavin-5-Phosphate, d-Calcium Pantothenate, Pyridoxine Hydrochloride, Thiamine Mononitrate, Biotin, Vitamin A Acetate, Folic Acid, Vitamin D3 Supplement, Choline Chloride, L-Ascorbyl-2-Polyphosphate (source of Vitamin C).

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