



## Pen Pals<sup>®</sup> Egg Maker Concentrate

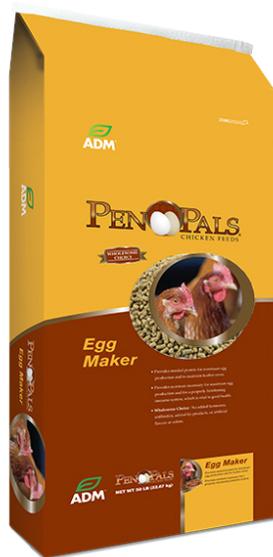
(80101AAA)

A Supplement for Starting and Growing Pullets and Laying Chickens

Performance-focused Pen Pals poultry products provide wholesome, natural-sourced, unique ingredients to support wholesome, healthy birds. Pen Pals Egg Maker Concentrate is designed to meet the complete nutritional needs of starting and growing pullets and domestic layers in production when mixed and fed according to directions. Use a grain source and limestone along with Egg Maker Concentrate to make complete rations (see Mixing Directions).

### Product Description

Pen Pals Egg Maker Concentrate is a highly digestible, 38% protein, 3% fat, non-medicated, concentrated supplement formulated for starting and growing pullets and laying hens. It contains high-quality multiple protein sources and needed minerals and vitamins to encourage fast efficient growth and maximum egg production.



### Features

- 38% protein
- No animal or animal by-products
- Mineral and vitamin fortification
- Organic zinc
- Empirical<sup>®</sup> NSP Enzyme

### Benefits

- Provides needed protein for growth, egg production and to maintain feather cover.
- Appeals to poultry enthusiasts who prefer to raise chickens without the use of animal-sourced ingredients.
- Provides nutrients necessary for optimum growth and nutrients essential for a properly functioning immune system, which is vital to good health.
- Zinc is considered an important trace mineral for feather development, and organic zinc is more readily available for absorption compared to inorganic sources of zinc. Zinc is important for supporting immune function, reproduction, skin and claw integrity, muscle development, and eggshell quality.
- A multi-enzyme, non-starch polysaccharide (NSP) that helps enable poultry to better utilize fibrous ration components by improving digestibility and availability of sugars from NSPs (better energy utilization of ration components), allowing more energy to become available for production purposes.
- An ADM proprietary feed ingredient that is a proven, truly unique whole-cell inactivated yeast which may help strengthen the bodies defense against various challenges by supporting and optimizing gut function, gut integrity, and body defense responses.
- Effective in increasing utilization of phosphorus from plant sources which reduces amount of supplemental phosphorus needed in the ration and reduces excretion of phosphorus into the environment.
- Ensures chickens receive balanced nutrition (no sorting of ingredients) and reduces feed waste.



CitriStim<sup>®</sup>

Phytase

Crumble form option

## Packaging - Form

50-lb bag meal (80101AAA14) and crumble (80101AAA44); check availability of product in specific area

## Guaranteed Analysis

Crude Protein, Min. ....	38.0%
Lysine, Min. ....	2.0%
Methionine, Min. ....	0.85%
Crude Fat, Min. ....	3.0%
Crude Fiber, Max. ....	10.0%
Calcium (Ca), Min. ....2.8% Max. ....	3.8%
Phosphorus (P), Min. ....	1.2%
Salt (NaCl), Min. ....1.0% Max. ....	1.5%
Vitamin A, Min. ....	16,000 IU/lb
Vitamin D3, Min. ....	4,500 IU/lb

## How Much is Needed\*:

- Varies depending on age of bird and level of protein in complete feed; see Mixing Directions

\* Feed consumption is based on average values. Actual consumption may vary significantly depending on the breed of bird, environmental conditions, and weights to which the birds are raised.

## Mixing Directions

	Pullet Starter	Pullet Grower	18% Layer	17% Layer	16% Layer	15% Layer
Corn	1275	1370	1130	1190	1250	1300
Egg Maker Conc	725	625	725	660	590	530
Limestone	----	5	145	150	160	170
Total	2000	2000	2000	2000	2000	2000
Crude Protein,%	18.5	17.00	18.00	17.00	16.00	15.00
Crude Fat, %	3.2	3.2	3.0	2.95	2.95	2.95
ME kcal/lb.	1407	1424	1294	1300	1310	1315
ME kcal/kg	3095	3132	2846	2860	2882	2893
Calcium, %	1.03	1.00	3.80	3.92	3.93	4.04
Av Phos., %	0.49	0.43	0.48	0.44	0.40	0.37
Sodium, %	0.20	0.17	0.20	0.18	0.17	0.15
Arginine, %	1.20	1.06	1.15	1.07	1.00	0.93
Lysine, %	0.98	0.87	0.96	0.89	0.77	0.76
Methionine, %	0.43	0.39	0.42	0.40	0.37	0.35
Met & Cys,%	0.78	0.70	0.72	0.69	0.64	0.61
Threonine, %	0.69	0.63	0.68	0.64	0.60	0.56
Tryptophan, %	0.22	0.20	0.22	0.20	0.19	0.17

Note: Numbers refer to pounds.

Using 7.5% protein content for corn and 38% protein content for concentrate.

Feed mix as the sole ration by blending Egg Maker Concentrate, grain and limestone. Provide grit and clean, fresh water at all times.

## Ingredients

Plant Protein Products, Processed Grain By-Products, Calcium Carbonate, Monocalcium Phosphate, Dicalcium Phosphate, Salt, Vegetable Oil, Roughage Products, Methionine, Manganous Oxide, Manganous Sulfate, Zinc Oxide, Zinc Sulfate, Copper Sulfate, Calcium Iodate, Ferrous Sulfate, Calcium Carbonate,, Vitamin A Supplement, Vitamin D3 Supplement, Vitamin E Supplement, Menadione Sodium Bisulfite Complex, Riboflavin Supplement, Niacin, d-Calcium Pantothenate, Thiamine Mononitrate, Vitamin B12, Biotin, Pyridoxine Hydrochloride, Folic Acid, Extracted Citric Acid Presscake, Sodium Selenite, Choline Chloride, Dried Trichoderma reesei Fermentation Product, Propionic Acid (A Preservative).

## Space Requirements

### Minimum Space Requirements per Bird (0-20 weeks of age)

Floor: 1 sq. ft. for 0-8 weeks of age  
 2 sq. ft. for 8-20 weeks of age  
 Feeder: 3 inches or 20-25 birds/pan  
 Water: 1 inch or 50-100 birds per round metal drinker

### Minimum Space Requirements per Bird (20+ weeks of age)

Floor: 1.5 sq. ft. for white-egg breeds  
 2 sq. ft. for brown-egg breeds  
 Feeder: 3 inches or 20 birds/pan  
 Water: 2 inches or 50-100 birds per round metal drinker