



# Pen Pals® Feather Maker

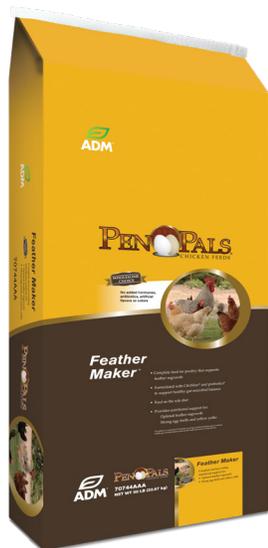
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A Complete Feed for Laying Hens

Performance-focused Pen Pals poultry products provide wholesome, natural-sourced, unique ingredients to support wholesome, healthy birds. Pen Pals Feather Maker supplies the nutrients needed to support regrowth of feathers after molting and can also be used for laying hens. Good plumage is important to retain body heat as poor feathering exposes body areas, resulting in increased energy maintenance requirement which leads to higher feed intake, increased feed cost, and possibly lower performance and reduced income. No additional grain, protein, minerals, or vitamin sources are needed.

## Product Description

Pen Pals Feather Maker is a highly digestible, non-medicated, pelleted, complete feed formulated for hens specifically during molting and feather regrowth. It provides 18% protein and 3.5% fat along with minerals and vitamins to support feather regrowth and maximum egg production.



### Features

Select ingredients, consistent formulation

High-quality, multiple protein sources plus added amino acids

Mineral and vitamin fortification

Organic zinc

CitriStim®

Empirical® NSP Enzyme

Selenium yeast

Probiotics

Marigold extract

### Benefits

Ensures product consistency and dependable nutrient sources.

Supplies essential amino acids needed for feather regrowth after molting (feathers are 94–96% protein) and supports egg production.

Provides nutrients necessary for feather regrowth, optimum egg production, 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.

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.

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.

Study suggests selenium yeast supports feathering; selenium yeast is a more bioavailable source ofelenium; and selenium is important for immune function.

PrimaLac®\* is a direct fed microbial product encompassing four microbials that enable more efficient metabolism of nutrients resulting in better nutrient utilization of the entire ration.

Natural pigment used for deep skin, shank, beak, and yolk enhancement; also contains compounds with vitamin A activity.



\*Not a trademark of ADM

## Packaging - Form

50-lb bag, Mini-pellet

## Guaranteed Analysis

Crude Protein, Min. ....	18.0%
Lysine, Min. ....	1.0%
Methionine, Min. ....	0.42%
Crude Fat, Min. ....	3.5%
Crude Fiber, Max. ....	6.0%
Calcium (Ca), Min ..... 3.75% Max. ....	4.75%
Phosphorus (P), Min. ....	0.4%
Salt (NaCl), Min ..... 0.2% Max. ....	0.7%
Sodium (Na), Min ..... 0.1% Max. ....	0.6%
Manganese (Mn), Min. ....	185 ppm
Selenium (Se), Min. ....	0.30 ppm
Vitamin A, Min ..... 3,200 IU/lb	
Vitamin D3, Min ..... 990 IU/lb	
Vitamin E, Min ..... 2,900 IU/lb	
Lactobacillus acidophilus, Min ..... 10,200,000 CFU/lb	
Lactobacillus casei, Min ..... 10,200,000 CFU/lb	
Bifidobacterium thermophilum, Min ..... 10,200,000 CFU/lb	
Enterococcus faecium, Min ..... 10,200,000 CFU/lb	
Contains a source of live (viable) naturally occurring microorganisms	

## How Much is Needed\*:

- 0.25 lb/laying hen/day\*

\* 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.

## Feeding Directions

Feed continuously as the sole ration to laying hens. Provide clean, fresh water at all times.

## Ingredients

Grain Products, Plant Protein Products, Calcium Carbonate, Processed Grain By-Products, Vegetable Oil, Lignin Sulfonate, Monocalcium Phosphate, Salt, Calcium Propionate (A Preservative), DL-Methionine, Vitamin A Supplement, Vitamin D3 Supplement, Vitamin E Supplement, Menadione Sodium Bisulfite Complex, Riboflavin Supplement, Niacin Supplement, Calcium Pantothenate, Thiamine Mononitrate, Vitamin B12 Supplement, Biotin, Pyridoxine Hydrochloride, Folic Acid, Extracted Citric Acid Presscake, Dried Lactobacillus acidophilus Fermentation Product, Dried Lactobacillus casei Fermentation Product, Dried Bifidobacterium thermophilum Fermentation Product, Dried Enterococcus faecium Fermentation Product, Manganous Oxide, Manganese Sulfate, Zinc Oxide, Zinc Sulfate, Copper Sulfate, Calcium Iodate, Ferrous Sulfate, Dried Trichoderma reesei fermentation product, Selenium Yeast, L-Threonine, Choline Chloride, Marigold Extract, Dehydrated Pichia Pastoris Fermentation Extract, Zinc Amino Acid Complex, Natural and Artificial Flavors.

## Space Requirements

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