

Poultry-Pro™ Mineral Plus: A Professional Grade Poultry Nutrition Program

By Dan Leiterman

Crystal Creek's Poultry-Pro™ program is a professional grade nutrition program designed for the poultry producer who demands excellence in their nutrition program. Poultry-Pro™ is built from the ground up to be a high performance nutrition program. The highest quality ingredients available in the market today are applied to a professional grade formulation strategy to support optimum performance. Poultry-Pro™ breaks the boundaries of conventional mediocrity and offers a level of nutritional excellence that translates into higher nutritional efficiency and improved return on investment for the producer.

Whether your goals are better egg shell quality, consistent egg size, healthier flocks, better rate of gain, improved feed efficiency and especially improved profitability, all producers know that nutrition can have a significant impact on your flocks' performance and ultimately the success of your operation. Poultry-Pro™ is designed specifically to help you reach your goals.

Here are some of the key features that Crystal Creek's Poultry-Pro™ Program offers:

Professional Grade Nutrition Formulation

Pathogen Protection

Poultry-Pro™ contains natural compounds that research has shown to reduce the risk of pathogens that typically threaten poultry, such as salmonella and E. coli.

Exceeds NRC Requirements:

Poultry-Pro™ formulas surpass NRC requirements and meet requirements set by Steve Leeson and John D. Summers in their book, *Commercial Poultry Requirements*, as well as meeting requirements learned through experience by successful production flocks.

Fortification levels for key nutrients are set high based on the most recently developed industry requirements that support optimum production in the most demanding conditions. The following nutrients are all supplemented at an increased level to target high production—the full list of amino acids (especially methionine and lysine), trace minerals, fat soluble vitamins (especially Vitamin E), water soluble vitamins (especially choline and niacin) and phytate free phosphorus.



Protein Requirements Fully Met With Protein Ingredients:

All of the Poultry-Pro™ formulas fully meet targeted protein levels even though an enzymatic digestive package is included in the formulas, i.e. A 17% crude protein layer ration is truly a 17% crude protein formula.

Digestive Enzymes Added To Improve Digestive Efficiency:

Protein digestion enzymes are in Poultry-Pro™ to reduce the risk of variable protein quality and digestibility in the ration.

Energy digestive enzymes are in Poultry-Pro™ to improve the available energy level of the ration.

Phosphorus digestion enzymes are also in Poultry-Pro™ to

Poultry-Pro™ Mineral Plus (Continued on page 11)

Crystal Creek's Poultry-Pro™ Nutrition Program For Expeller SBM (8% Fat)

CHICKENS

	17% Layer	16% Layer	15% Layer	19% Pullet Starter	16% Pullet Grower	16% Pre-Layer
Ingredient	Lbs./Ton					
Corn	1,145	1,159	1,190	1,220	1,395	1,307
Expeller SBM (8% fat)	580	510	460	665	490	505
Calcium Carbonate (fine)	87	98	110	25	25	49
Calcium Carbonate (coarse)	88	98	110			49
Alfalfa Meal, Dehy. 17%	50	100	100	50	50	50
Mono-Calcium Phos.				5	5	5
Poultry-Pro™ Mineral Plus	50	35	30	35	35	35
Total	2000	2000	2000	2000	2000	2000
Ration Nutrient Concentration						
Crude Protein	17.0%	16.0%	15.0%	19.0%	16.0%	16.0%
Energy (Mcal/lb.)	1,293	1,273	1,261	1,409	1,418	1,363
Calcium	3.85%	4.16%	4.58%	0.91%	0.89%	2.30%
Available Phosphorus	0.49%	0.39%	0.36%	0.47%	0.45%	0.45%
Methionine	0.45%	0.39%	0.36%	0.44%	0.40%	0.39%
Lysine	0.94%	0.86%	0.80%	1.06%	0.85%	0.86%

23% Broiler St. 20% Broiler Gr. 18% Broiler Fin.

	Lbs./Ton		
Ingredient	Lbs./Ton		
Corn	985	1,170	1,288
Expeller SBM (8% fat)	895	720	605
Calcium Carbonate	20	25	22
Alfalfa Meal, Dehy. 17%	50	50	50
Poultry-Pro™ Mineral Plus	50	35	35
Total	2000	2000	2000
Ration Nutrient Concentration			
Crude Protein	23.0%	20.0%	18.0%
Energy (Mcal/lb.)	1,393	1,410	1,418
Calcium	0.89%	0.86%	0.79%
Available Phosphorus	0.51%	0.41%	0.39%
Methionine	0.54%	0.45%	0.42%
Lysine	1.34%	1.13%	0.99%



TURKEYS

	0 to 4 wks.	4 to 8 wks.	8 to 12 wks.	12 to 16 wks.	16 to 20 wks.	20 to 24 wks.	Holding
Ingredient	Lbs./Ton						
Corn	664.35	783.35	1,031.35	1,209.35	1,339.35	1,518.35	1,175
Oats							450
Expeller SBM (8% fat)	1,185	1,070	835	660	545	375	170
Calcium Carbonate	25	25	20	20	20	23	15
Alfalfa Meal, Dehy. 17%	50	50	50	50	50	50	150
Poultry-Pro™ Mineral Plus	50	50	50	50	35	25	40
Mono-calcium Phosphorus	25	21	13	10	10	8	
dl-Methionine	0.65	0.65	0.65	0.65	0.65	0.65	
Total	2000	2000	2000	2000	2000	2000	2000
Ration Nutrient Concentration							
Crude Protein	28.0%	26.0%	22.0%	19.0%	17.0%	14.0%	12.0%
Energy (Mcal/lb.)	1,354	1,364	1,386	1,398	1,415	1,431	1,326
Calcium	1.29%	1.24	1.03%	0.98%	0.86%	0.80%	0.74%
Available Phosphorus	0.80%	0.74%	0.64%	0.59%	0.49%	0.39%	0.40%
Methionine	0.63%	0.61%	0.55%	0.51%	0.44%	0.37%	0.35%
Lysine	1.70%	1.56%	1.27%	1.05%	0.91%	0.71%	0.52%

improve the bio-availability of phosphorus in the diet, by reducing phytate bound phosphorus in plant based ingredients.

Microbial Digestive Support:

Lactic acid producing bacteria are included in the formulation to help support the necessary levels of lactic acid poultry need in their digestive tract for optimum performance.

High Quality Ingredients

Highly Bio-Available Trace Minerals:

Trace mineral supplementation, using only proteinate chelates and polysaccharide chelates. There are no oxide nor sulfate trace minerals used in the formulation of Poultry-Pro™.

Cleaned Phosphorus Source:

The phosphorus source used in Poultry-Pro™ has been cleaned to reduce negative contaminants that are known to reduce mineral bio-availability and could compromise organ function and optimum performance.

Comprehensive Enzyme Formulation:

The enzymes used in Poultry-Pro™ are a synergistic group of enzymes that work together to improve the digestibility of minerals, amino acids and energy. The enzymes in Poultry-Pro™ reduce the need for supplemental fat and help birds improve feed efficiency.

Flexible Formulation Options

Flexible Inclusion Rates:

Inclusion rates of Poultry-Pro™ per ton of finished poultry feed will range from 50 lbs. per ton down to 25 lbs. per ton depending on the age and category of production. Why continue to add 50 or 60 lbs. of mineral per ton of finished feed when there are times that Poultry-Pro™ will balance the diet and deliver more nutrition at inclusion rates of 40 lbs., 35 lbs. or even as low as 25 lbs. per ton?

Reduced Feed Cost:

Poultry-Pro™ is an efficient, cost effective and excellent nutritional value. Do the math yourself and you will see that Poultry-Pro™ gives you more for your money!

Can Be Used In All Categories Of Poultry Production:

Poultry-Pro™ can be used to formulate rations for all stages of growth and production for layers, broilers, pullets, chicks and turkeys.

Meets NOP Standards

Poultry-Pro™ meets the National Organic Program standards for use in organic flocks. Poultry-Pro™ also provides an exceptional nutritional value for any poultry producer that is interested in healthy flocks and improved profitability.

**Higher Nutritional Quality = Healthier Flocks
Better Performance = Improved Profitability**

**Break The Bonds Of Mediocrity,
Reach Your Goals,
Feed Poultry-Pro™ To Your Flock
Today!**

Calf & Heifer Mineral Special

**DECEMBER thru
FEBRUARY 2012**

FREE!

**GET a Pair of
Leather Gloves or
Stocking Hat**

**With Each Order of 20 Bags of
Calf & Heifer Mineral**

**Combine this special with Crystal Creek's every
day Mixed Pallet Discounts, including minerals,
for additional savings!**