



# *Poultry Feeding Guide*

*All Vegetable Rations and Medication Free*



[trouwnutrition.ca](http://trouwnutrition.ca)





## The Natural Harvest Program

Not all feed is created equal. The Natural Harvest® Program includes a full portfolio of premium, natural and all-vegetable poultry feeds designed for efficient backyard production without the use of medications, antibiotics, or GMO grains and proteins. Raising your own small flock of poultry can be a profitable and enjoyable experience for everyone in the family, especially when you can trust the feed that your birds are consuming.

Using data from nutritional partners, and the Trouw Nutrition poultry research facility, the team has carefully selected ingredients proven to optimize all-vegetable diets. We've considered and implemented natural alternatives to the conventional medications used to prevent poultry diseases.

These natural ingredients can provide a boost in immune function so that birds can fend off illness. We've included yeasts, vegetable enzymes, pre and probiotics that will improve the performance and health of your flock. **Natural Harvest Step 1: Poultry Pre-Starter** focuses on setting up a healthy digestive and immune system for chicks during the most crucial point of their development in the first 8 - 10 days of life.

This feeding guide will give you a good overview of the Natural Harvest Program. Take a look at the **'The Natural Harvest Difference'** on page 3 to review the ingredients that have been selected, and why they'll benefit your flock. A full list of ingredients for the Natural Harvest poultry feeds are listed on page 8, and the feeding guides for different types of poultry can be found on pages 4 - 7 to help feed the right product for each life-stage.

The Natural Harvest poultry feeding program, along with good management and a little elbow grease, will allow you to raise a healthy and productive (as well as delicious and nutritious) flock. Natural Harvest is a new generation of feed products designed for producers who want alternative feeds.

Set your flock up for success by downloading the Small Flock Poultry Health Manual from the Canadian Growing Forward Program.

[http://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/agriculture-and-seafood/animal-and-crops/animal-production/small\\_flock\\_manual.pdf](http://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/agriculture-and-seafood/animal-and-crops/animal-production/small_flock_manual.pdf)



# The Natural Harvest Difference



## Formulated with GMO Free Grains and Proteins

We've taken a grass-roots approach to building a feeding program for poultry that doesn't call for the use of GMO grains and protein sources. Instead of using GMO corn, soy and canola we've sourced GMO-free alternatives as our protein and energy sources. We've also increased the amount of ingredients such as Canadian whole grain wheat and alfalfa that are included in every bag of Natural Harvest. The poultry diets are nutritionally sound, healthy and productive.

## All Vegetable Rations

True to our promise of a vegetarian ration, Natural Harvest diets are not only made without the use of meat meal or other animal by-products, but are also gelatin free. Some vitamins are coated in gelatin in order to improve their stability. Gelatin is a collagen obtained from various animal by-products. All Natural Harvest diets are formulated without the use of any animal by-products. The diets have specially sourced and manufactured vitamin pre-mixes which provide quality without the use of animal sourced coatings.

## Natural Yolk Colour Enhancers

Just like the leafy greens and colourful fruits and vegetables that your grandmother used to tell you to eat, healthy foods often contain higher levels of natural pigments and anti-oxidants, known as carotenoids. Natural Harvest is formulated with carotenoid-rich grains, and ingredients such as alfalfa, for higher levels of anti-oxidants in your flock's diet as well as the meat and eggs they produce. You'll notice these higher levels of natural pigment in the brighter yolks produced by hens on the 'Golden Layer' diet, as well as in healthier chicks hatched from hens on the Natural Harvest program.

## Hy-D Supplemental Vitamin D3

Years of research on the benefits of vitamins and minerals in poultry diets have shown that chickens must first metabolize Vitamin D3 in the liver to convert it into an active form called 25-Hydroxy-D3. However some birds, especially young chicks, can have difficulty converting Vitamin D3 into a metabolically useful form. The Natural Harvest program overcomes this challenge by using a unique 25-Hydroxy-D3 supplement called Hy-D. It naturally bypasses the metabolic process, and has been proven in trials to improve bone and skeletal formation, and muscle development in young chicks.

## Chelated Trace Minerals

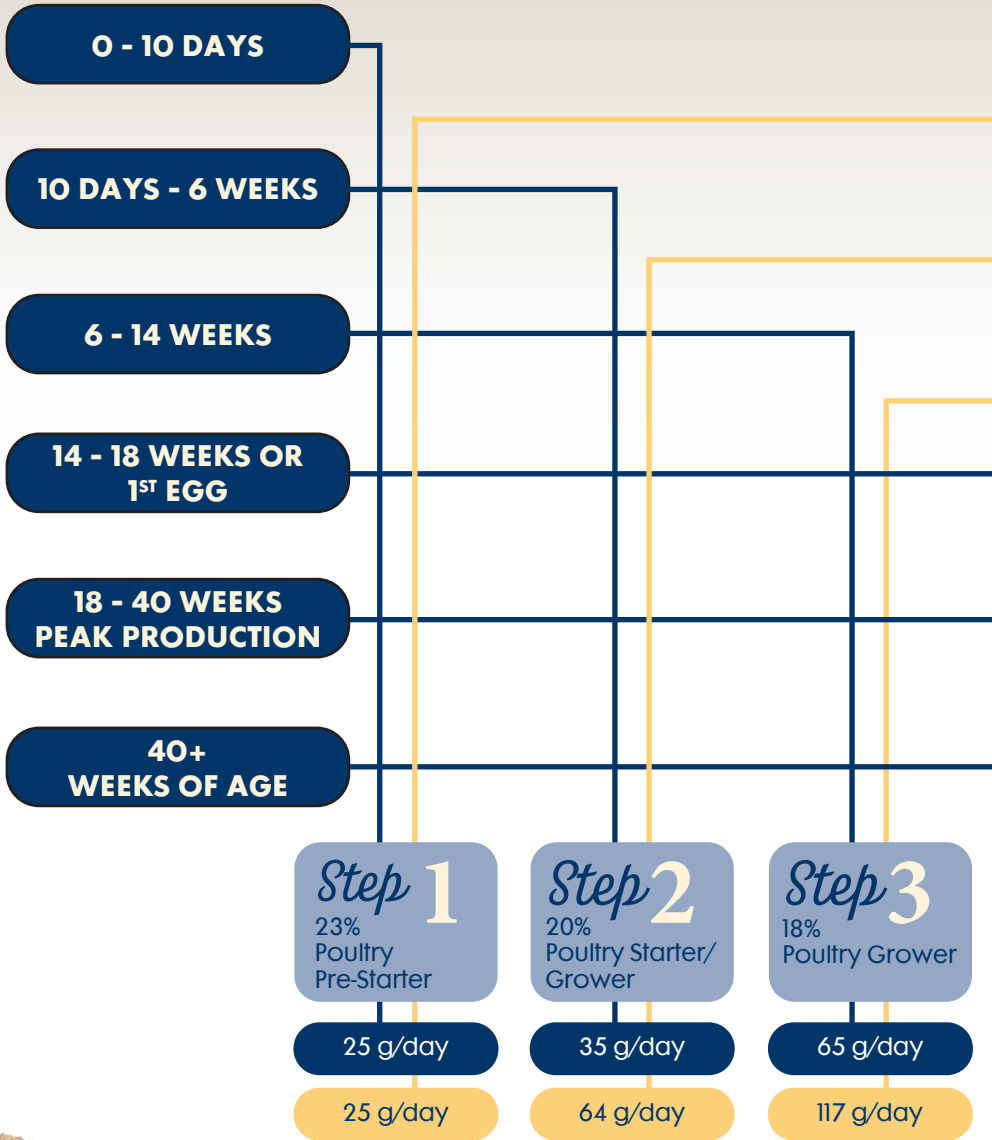
Trace minerals play a vital role in animal nutrition, impacting metabolic functions including growth, development, reproduction and immunity. Research has shown that the negative effects of stress are decreased when animals have proper trace mineral status. Chelated trace minerals, such as the zinc and manganese used in Natural Harvest have been shown to improve immunity, egg production, eggshell quality, feathering, bone integrity and weight gain in poultry production.

## Whole Grain Wheat for Digestive Health

All Natural Harvest feeds are formulated to contain whole wheat. The inclusion of raw whole grain wheat kernels naturally stimulates the growth and development of the digestive tract. The gizzard will grow larger and the intestinal tract will have improved function. The birds will have an increased ability to transport the nutrients in the feed across the intestinal wall and into the blood stream to ensure great health, good welfare, sustainable growth and stable egg production.



## LAYER PROGRAM



# Feeding Guide

Diets are optimized for age settings



## BROILER PROGRAM

0 - 8 DAYS

8 - 19 DAYS

20 - 25 DAYS

26 DAYS  
TO MARKET

Step 4

15%  
Poultry  
Developer

75 g/day

117 g/day

Step 5

18%  
Golden  
Peak-of-Lay

105 g/day

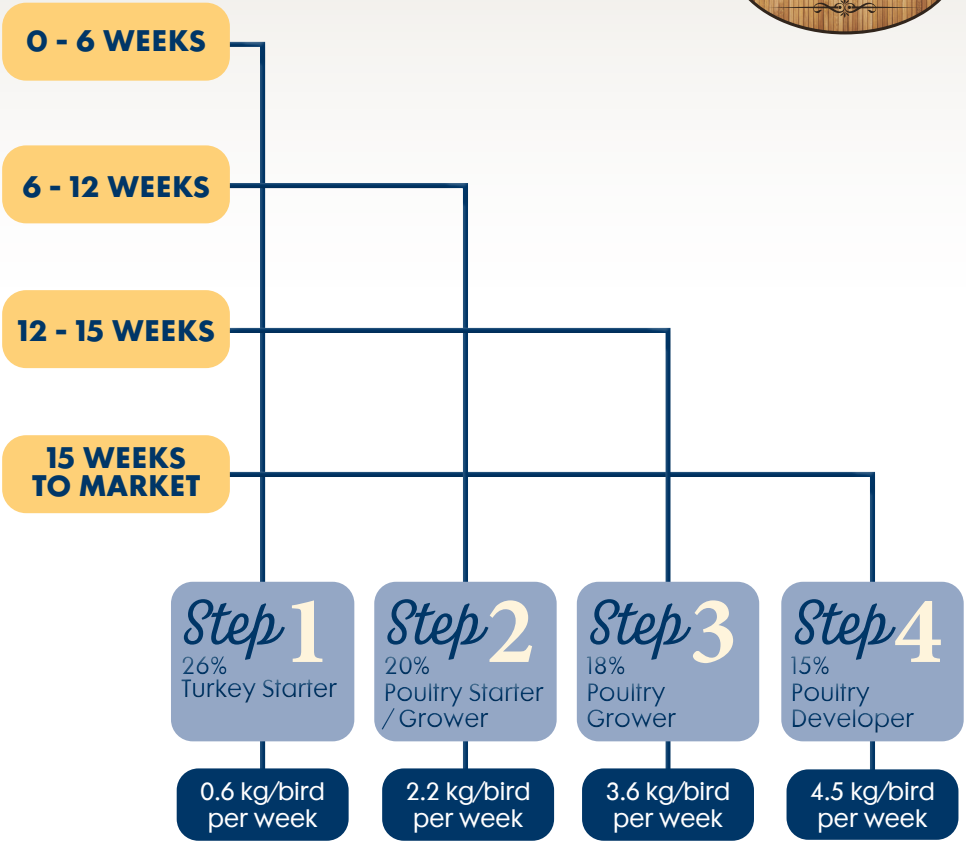
Step 6

16%  
Golden Lay

115 g/day



# Turkey Feeding Guide



# Feeding Recommendations For Other Species Of Fowl

## Ducks (based on feeding program for Pekin Ducks)

AGE	FEED	DAILY AVERAGE	AMOUNT/BIRD
1 - 14 Days	NH Step 1: 23% Pre-Starter	40 g/day	0.6 kg
2 - 4 Weeks	NH Step 2: 20% Starter/Grower	125 g/day	1.8 kg
4 - 6 Weeks	NH Step 3: 18% Grower	165 g/day	2.3 kg
6+ Weeks	NH Step 4: 15% Developer	250 g/day	1.8 kg/week

## Geese

AGE	FEED	DAILY AVERAGE	AMOUNT/BIRD
1 - 14 Days	NH Step 1: 23% Pre-Starter	70 g/day	1.0 kg
2 - 4 Weeks	NH Step 2: 20% Starter/Grower	210 g/day	2.9 kg
4 - 6 Weeks	NH Step 3: 18% Grower	230 g/day	3.2 kg
6+ Weeks	NH Step 4: 15% Developer	325 g/day	2.3 kg/week

## Quail, Chukars (Partridge) and Grouse

AGE	FEED	AMOUNT/BIRD
0 - 6 weeks or Market	NH Step 1: 23% Pre-Starter	0.75 - 1.0 kg (1.7 - 2.2 lbs)
6 weeks to market or two weeks before 1st egg	NH Step 2: 20% Starter/Grower	7.0 kg (15.5 lbs)

## Pheasants

AGE	FEED	AMOUNT/BIRD
0 - 4 weeks	NH Step 1: 23% Pre-Starter	0.75 kg (1.7 lbs)
5 weeks to market or release	NH Step 2: 20% Starter/Grower	7.0 kg (15.5 lbs)

## Guinea Fowl

AGE	FEED	AMOUNT/BIRD
0 - 4 weeks	NH Step 1: 23% Pre-Starter	0.6 kg (1.3 lbs)
5 weeks to market	NH Step 2: 20% Starter/Grower	5.0 kg (11.0 lbs)





## Ingredients

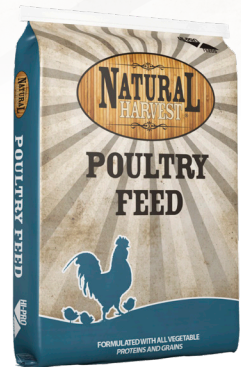
We've created a feed that we are proud to stand behind with good nutrition backed by peer-reviewed research. Many of the ingredients in Natural Harvest diets are sourced from western Canada. Each ingredient has been selected to perform and provide you with poultry products that you are as happy to feed to your flock, as we are to feed to our flock.

### **Natural Harvest Rations may contain some or all of the following:**

- Canadian and North American sourced whole grains and legumes (wheat, barley, alfalfa, and flax)
- Vegetable protein sources: certified GMO-free soybean meal, may contain pulses (peas, faba beans and lentils)
- Vegetable fat sources: vegetable oil, flax seed
- Vegetable enzymes, amino acids, pre and probiotics, yeast culture, lysine, and methionine.
- Full complement of proprietary vegetable sourced (non gelatin) vitamins including: Hy-D vitamin D, vitamin A, vitamin E, vitamin B12, vitamin K, thiamine, riboflavin, niacin, pantothenic acid, folic acid, pyridoxine, and biotin
- Balanced with a blend of organic, chelated trace minerals

*The feeding recommendations found in this booklet are estimates and guidelines only. Feed intakes can vary widely based on a variety of factors including genetics of bird, feeding equipment, housing temperatures, supplementary feed sources, water supply, and a host of other health and environmental factors. HI-Pro Feeds does not warrant or guarantee individual results.*

*Natural Harvest feeds may contain traces of GMO material. Through formulation we intend for all grains and proteins used in Natural Harvest to be of non-GMO status. However, incoming non-GMO ingredients may contain traces of GMO material, originating outside of our control at their source or picked up in transit.*



[trouwnutrition.ca](http://trouwnutrition.ca)

