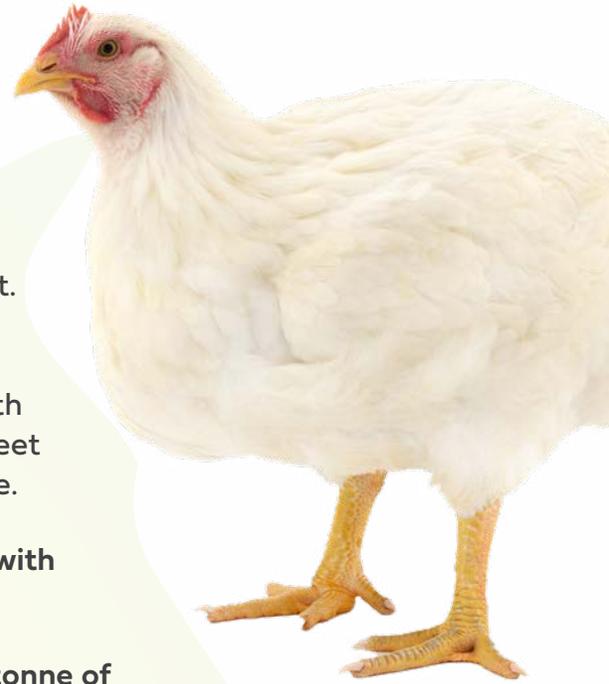


“The Practical Broiler Poultry Feed Solution”

HempGro™ is a broiler concentrate intended to be mixed with quality grains and oil. This product contains essential fatty acids, omegas, and important nutrients to keep poultry living longer, healthier lives and producing better product. HempGro™ creates a perfect balance of nutrients and protein to ensure your broilers are able to bulk up to an ideal weight, naturally. It is formulated with a proprietary enzyme blend and 40% protein to meet nutritional requirements and optimize performance.



- » a **“Super-Mix”** Broiler Concentrate to be mixed with quality grains and oil.
- » a **40% Protein**, so you use less concentrate per tonne of your mixed feed.
- » a **full spectrum**, pelleted feed concentrate, therefore no need to add anything other than grain and oil
- » **One product for the life of the broiler**; gradual reduction of feed inclusion from starter to finisher ration – so there is no need to worry about an abrupt feed changeover that upsets the bird’s digestive tract.
- » Formulated for **high feed conversion**, HempGro™ Broiler 40% concentrate has high nutrient bioavailability
- » Formulated to aid **reduced mortality rate** using high immune function by providing Omega 3, and Omega 6 fatty acids.
- » Formulated with a **proprietary enzyme blend** including multi-carbohydase technology to increase nutrient bioavailability and feed conversion
- » Formulated to **decrease feed consumption and increased weight gain**
- » **Hemp seed meal oil and HempOlive™ oil** to increase energy value, improve weight gain, and fat-soluble vitamin absorption





HempGro™ Broiler 40 Concentrate

What Is Hempgro™ Broiler 40 Concentrate?

- » A blend of AG Hemp Seed Meal, AG HempOlive™ Oil, AG Protein Complex, AG Vitamin-Mineral Premix, AG Amino Acid Premix, AG Enzyme Premix, AG OA/EO – (Acidifier and Essential Oils).
- » Contains no antimicrobials, antibiotics or preservatives
- » Added "Canadian Feed Approved" vitamins, minerals, and amino acids
- » All ingredients are sourced, processed, manufactured and packaged in Canada

Consumer awareness for healthy red meat alternatives is increasing the demand for poultry products. The challenges of poultry supply and raising costs of production add to today's challenges of the small and large producers. Issues ranging from poor growth performance, health and wellness of the flock, high mortality rates, and the source of quality feed inputs are all contributing factors to the loss of competitive edge, maintaining the family farm, or the commercial operator.

The Solution: Hempgro™ Broiler 40 Concentrate

Research by scientists and nutritionists have determined a very clear path of knowledge and understanding of the nutrient requirements essential for poultry production with focus on economics and efficiencies.

The Question: "What's in the Feed"?

It's the job of HempGro™ nutritionists and formulators, to analyze and determine the best ingredients possible to be used in HempGro™ Concentrate feeds to meet the nutritional requirements and optimize performance, while at the same time achieving the goals and expectations of the producer.





HempGro™ Broiler 40 Concentrate

Key Ingredients:

40% COMPLEX PROTEINS A PROPRIETARY BLEND OF HEMP SEED MEAL, FISH MEAL, PULSE PROTEIN CONCENTRATE, All major key roles in broiler poultry production.

Chickens are omnivores, requiring a balanced diet of plant-based and animal (fish) proteins. The balanced **complex** protein of Hemp Seed Meal, pulse protein concentrate and fish meal, is higher in bio-available digestible protein content, with essential amino acids that are more balanced than those of just plain plant sources like canola meal, corn gluten meal, or wheat middling can provide.

HEMPGRO™ BROILER 40% CONCENTRATE Protein Complex is composed of multi-chains of bio-available amino acids, which are broken down in the digestive process and contribute to the growth of muscles, organ tissues and feathers.

HEMPGRO™ BROILER 40% CONCENTRATE FATS: oils (fats) are the second source of energy for the fast-growing broiler and have the highest caloric value among all dietary nutrients. They also enhance the absorption of fat-soluble vitamins, increase diet palatability, and improve the utilization of consumed energy. Fats in HEMPGRO™ are largely composed of **fatty acids** with specific metabolic functions. Omega-3, and omega-6 fatty acids are indispensable in a properly maintained ratio for numerous biological, physiological, developmental, and health functions.

Although there are many different fatty acids, poultry have a specific requirement for one known as **linoleic acid** that is high in hemp seed meal and hemp seed oil. Linoleic acid is considered an essential fatty acid because poultry cannot generate it from other nutrients.

Gamma-Linolenic Acid (GLA) is a fatty acid from the ω -6 family, and readily available as a natural source from hemp seed meal and hemp seed oil. It is able to deliver a wide range of broiler health benefits arising from its anti-inflammatory effects and increased immune system function.

HEMPGRO™ BROILER 40% CONCENTRATE Fat sources supply energy to the bird and are used for specific metabolic functions in the body. The





HempGro™ Broiler 40 Concentrate

fat from hemp seed meal and HempOlive™ oil also serves a functional role in that it enhances palatability, feed quality, with subsequent better absorption of dietary nutrients.

HEMPGRO™ BROILER 40% CONCENTRATE Macro Minerals, includes natural sources of calcium, phosphorus, sodium, magnesium, potassium, and sulphur. Macro minerals support the cellular development as well as subsequent strength, of the bones.

HEMPGRO™ BROILER 40% CONCENTRATE Vitamin and Trace Mineral supply essential nutrients, including all essential fat-soluble vitamins A, D, E, and B-vitamins and choline as well as all required trace minerals like copper, iodine, iron, manganese, selenium and zinc. Vitamins and trace minerals are used for various metabolic processes in organ tissue and muscle in the broiler. They are required in small amounts, but any deficiency in these nutrients can lead to a dramatic loss in performance.

HEMPGRO™ BROILER 40% CONCENTRATE Crystalline Amino Acids are added to complement vegetable and animal sources as important feed ingredients to maximize growth and reduce nitrogen excretion.

HEMPGRO™ BROILER 40% CONCENTRATE AG AO/EO a proprietary natural blend of organic acidifier and essential oils to target control e-coli and salmonella in the gut in the first week of the chick's life, and also has a strong antibacterial activity in the gut against Gram-positive bacteria whether it is under the condition of aerobic or anaerobic, and shows the strongest activity against Clostridium perfringens which is main causes of broilers growth inhibition and Necrotic enteritis.

HEMPGRO™ BROILER 40% CONCENTRATE AG Pro-Enzyme Plus is proprietary enzyme blend for broilers using multi-carbohydrase technology that has different enzymatic activities to target indigestible components to make these more digestible. These targeted enzymatic activities focus on breaking down fiber matrices to release more nutrients and energy that can then be utilized by the broiler to put on more weight per gram of feed consumed.

Packaging:
20 kg bags / 1000 kg tote bags



HEMPGRO™ BROILER 40% CONCENTRATE RECOMMENDATIONS

Ration	Starter	Grower	Developer	Finisher
Recommended Feeding Days	0-10 days	11-24 days	25-39 days	40 days + for target market
Ingredients, % for complete feed	Diet 1	Diet 2	Diet 3	Diet 4
Wheat, corn, single grains, mixed grains.	58	62	66	70
AG HempOlive or typical vegetable oil	2	3	4	5
HempGro™ Poultry Broiler 40% P Concentrate	40	35	30	25



HempGro™ Broiler 40% Concentrate will provide the following typical nutrient minima:

	%	mg/kg	IU
Crude protein	40	-	-
Fat	4	-	-
Calcium	2	-	-
Ash	11.75	-	-
Phosphorus	1	-	-
Sodium	0.65	-	-
Copper	-	55	-
Iron	-	475	-
Manganese	-	320	-
Selenium	-	0.8	-
Zinc	-	300	-
Vitamin K	-	10	-
Biotin	-	0.6	-
Choline	-	1,680	-
Folic acid	-	5.3	-
Pantothenic acid	-	40	-
Riboflavin (B2)	-	25	-
Thiamine (B1)	-	10	-
Vitamin B6	-	13.5	-
Vitamin B12	-	77.5	-
Vitamin A	-	-	25,000
Vitamin D	-	-	10,000
Vitamin E	-	-	125

