

Choliv-N

Natural Choline

What is Choline?

➤ **CHOLINE** :- Essential nutrient, crucial for synthesis & mobilization of fats from liver.

Why Choline is important in poultry?

GROWTH & PRODUCTION :-

Prevention of FLS, perosis, liver enlargement.
Optimum egg production & quality of eggs.

FEED EFFICIENCY :-

Better FCR & carcass quality.

NORMAL FUNCTIONS :-

Optimum growth.
Neurotransmission.
Fat mobilization.



STRESS MANAGEMENT :-

Reduction of negative impacts of heat stress.

What are the sources of choline?



Sources of Choline

Synthesis in body (Insufficient during high demand period)

Dietary Supplementation

Synthetic Choline

Herbal Choline

A product of :

Biochem Pharma
All we need is a healthy world



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What is Choliv-N?

Synergistic combination of:-

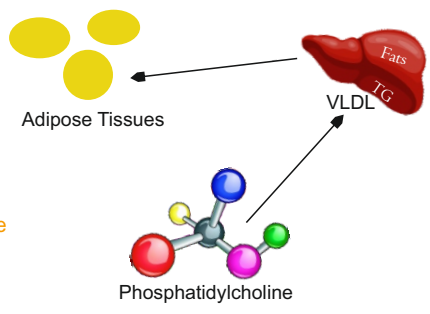
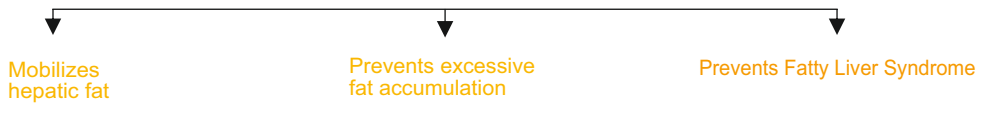
- 1. Phosphatidylcholine**
 - Some flavonoids those are structurally different but functionally same as choline.
 - Ensures optimum choline function at low inclusion rate.
- 2. Choline Analogues**
 - Natural form of Choline.
 - Highest absorption capacity and bioavailability.
 - Helps in optimum choline function in the body to support maximum productivity.

How Choliv-N Acts?

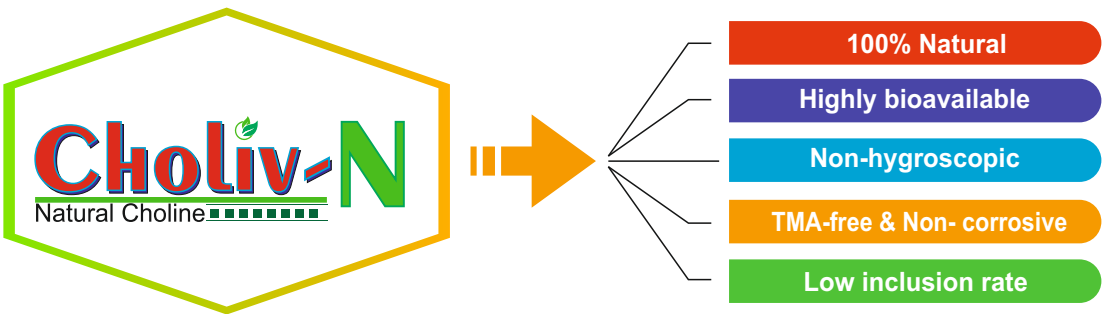
Fats from liver are transported as triglycerides by very low density lipoproteins (VLDL) to the adipose tissues

Phosphatidylcholine is required for VLDL assembly and secretion from the liver

Choliv-N provides phosphatidylcholine for hepatic fat mobilization



How Choliv-N is better than Synthetic Acts ?



How to use Choliv-N to replace Synthetic choline ?

- Usage**
- Replaces synthetic choline.
 - Provides enhanced Choline function for Optimal health & production.
 - Augments hepatic fat mobilization & lipid metabolism.
 - Prevents fatty liver syndrome, perosis & liver enlargement.
 - Improves growth, FCR, carcass quality in broilers.
 - Optimizes egg production.

PRESENTATION
25 kg pack

Feed Inclusion Rate

500 grams of Cholwin-N can replace 1kg of Synthetic Choline Chloride 60%