

# Impro - Liv

Improving the liver function

The Liver which is a vital organ of the body needs extra protection. Liver is damage mainly due to two factors, viz-Feed Toxicity & Disease Attack.

**FEED TOXICITY:** The poultry feed comprises of known and unknown toxins like.

**Mycotoxin:** produced by fungi e.g. Aflatoxin, Ochratoxin, Zearalenone etc.

**Pesticide Toxicity:** produced by residues of pesticide that are sprayed over the feed grain crop.

**DISEASE ATTACK:** The bacterial & viral diseases like Colibacillosis, Salmonellosis, Pasteurellosis, Inclusion Body Hepatitis, Gumboro etc.

These risks put in danger the liver health. Liver problems in poultry affect the-

**Production:** Drop in egg production.

**Hatchability:** Drop in hatchability.

**Weight:** Low weight gain in broiler.

Liver problem also cause severe immunosuppression resulting into vaccination failure & secondary infection. All these together amount to a great economical loss.

**Impro - liv** - The correct solution for liver problem.

## COMPOSITION:

Active Ingredients	Each 10ml Contains
Liver Extract	500 mg
Choline Chloride	1000 mg
Lysine	100 mg
DL-Methionine	100 mg
Biotin	50 mcg
Inositol	35 mg
Nicotinamide	45 mg
Ferric Chloride	80 mg
Vit B <sub>1</sub>	4 mg
Vit B <sub>12</sub>	4 mcg
Panthenol	4 mg
Colour	Caramel

## How do the ingredient in Impro-liv help in controlling these problem?

**Liver Extract:** directly stimulate regeneration of hepatic cell.

**Choline Chloride:** Prevent fatty degeneration of liver by improving lipid metabolism.

**DL-methionine:** Act synergistically with choline chloride to prevent fatty change in liver.

**Lysine:** Second important limiting amino acid controlling protein synthesis and subsequently liver health.

**Biotin:** Also known as Vit H which prevent FLKS (Fatty liver and kidney syndrome).

**Inositol:** Vital growth promoter, prevent fat deposition in liver.

**Nicotinamide:** Correct niacin deficiency and improve hock and leg strength.

**Ferric Chloride:** Inorganic source of iron to facilitate hemopoiesis.

**Vit B<sub>1</sub> (Thiamine):** Necessary to stimulate the appetite to form certain enzymes necessary for digestion & to prevent nervous disorder.

**Vit B<sub>12</sub>:** Help correcting anaemic condition and retarded growth caused due to extensive liver damage.

**Panthenol:** Help in proper feathering and adequate growth.

## DIRECTIONS FOR USE FOR 100 BIRDS :

Chick	: 5 ml daily
Broiler	: 10 ml daily
Grower and Layer	: 20 ml daily
Breeder	: 25 ml daily

**Shake well before use**

**PACKING:** 1 liter HDPE bottle.

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animal health

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Manufactured by



An ISO 22000:2005 & GMP certified company