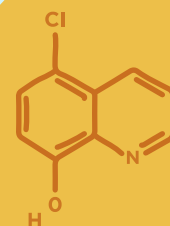
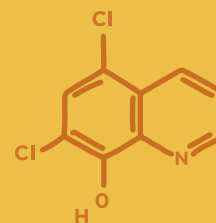
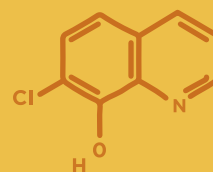


# GrowGuard™ Plus

Premium Choice For Premium Flock



**Halquinol 60%**  
Non-antibiotic Growth Promoter



# GrowGuard™ Plus

Premium Choice For Premium Flock

GrowGuard™ Plus is a hydroxyquinoline antimicrobial used as feed additive and growth promoter for poultry and pigs. It is a chlorinated derivative of 8 hydroxy quinoline that contains 5, 7-dichloro-8 hydroxyquinoline and 5-chloro-8 hydroxyquinoline. It is very effective against bacteria, fungi and protozoa that cause diarrhea or wet droppings.

## INDICATIONS

- Gut specific antimicrobial reducing pathogenic microorganisms like *Salmonella spp.*, *E. coli*, and *Clostridium perfringens*.
- GrowGuard™ Plus reduces the severity of coccidiosis by acting on *Eimeria* spp. & controlling opportunistic bacterial infections.
- Prevents & controls several types of non-specific diarrhea.
- Has strong anti-fungal properties preventing fungal infections caused by *Aspergillus* spp. *Candida* spp., *Trichomonas* spp. etc.
- GrowGuard™ Plus improves nutrient absorption and feed conversion efficiency.

## BENEFITS

- GrowGuard™ Plus has broad-spectrum antimicrobial properties effective against various bacteria, fungi, and protozoal microbes in the gut.
- Prevents & controls several types of non-specific diarrhea
- Possess unique antiperistalsis activity to promote better absorption of nutrients and growth.
- Improves egg production and quality in laying hens by promoting health and reducing disease burden.
- Antimicrobial activity of GrowGuard™ Plus modifies microflora in digestion to improve feed absorption & production performance.

## INCLUSION LEVELS

**Broilers** - 60 - 100 g / tonne of feed  
**Layer** - 75 - 100 g / tonne of feed  
**Swine** - 200- 250 g/tonne of feed

## MECHANISM OF ACTION

- GrowGuard™ Plus acts by inhibiting the growth of pathogenic microorganisms in the gut. Its mechanism involves disrupting the bacterial cell wall and interfering with metabolic processes, leading to the death of harmful microbes. This creates a more favorable environment for nutrient absorption and overall health improvement in poultry.
- It also reduces tone and motility of smooth muscles in intestine, allowing food to stay for a longer time in the gut for better nutrient absorption, preventing diarrhea.

## WET DROPPINGS IN POULTRY

The main reason behind wet droppings in poultry are majorly bacterial infections like *E. Coli*, *Salmonella* spp. Halquinol is the medicine of choice to control & treat poultry diarrhea because of its specific antimicrobial and antidiarrheal properties.

**Mycosis:** GrowGuard™ Plus protects the feed and crop of the bird by targeting fungal growth and infections.

## COMPOSITION

Each 100 g of GrowGuard™ Plus contains

Halquinol 60.00 gm  
(Chloro-hydroxyquinoline)

## ROSSARI BIOTECH LIMITED

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