FEED ADDITIVES

IMPROVED PROFITABILITY FOR POULTRY PRODUCERS

YUMAMYCIN® 1% PREMIX

(maduramicin ammonium)

YUMAMYCIN is a premix containing 10g maduramicin ammonium activity per kg in a carrier suitable for feed supplementing. It is available as a microGranulate.

EFFECTIVE BROAD-SPECTRUM CONTROL OF COCCIDIOSIS

- Yumamycin exhibits broad-sprectrum activity against coccidiosis caused by the most frequently occurring *Eimeria* species in chickens: *E. tenella, E. acervulina, E. necatrix, E. maxima, E. mivati, E. brunetti*, and in turkeys: *E. adenoides* and *E. meleagrimitis, E. gallopavonis.*
- Study results reveal that the preparation is effective against the early stages of the parasite's life cycle (sporozoites, trophozoites and first generation of schizonts). The decrease in *Eimeria* populations in chickens and turkeys occurs by killing the parasites, unlike other coccidiostats which only inhibit their development.
- The product's unique mechanism of action reduces to a minimum the emergence of cross-resistance with other monovalent or bivalent ionophores. Trials have demonstrated that Yumamycin is efficacious against *Eimeria* strains resistant to monensin, narasin and salinomycin.
- The effective dose is moderately low.
- It enables poultry producers to control coccidiosis and to enhance bird performance.
- Yumamycin is highly effective against the most damaging *Eimeria - E. tenella.*
- By protecting the intestinal lining from damage by coccidia, it reduces the risk of secondary infection by pathogens, such as *Clostridium perfringens.*

HUVEPHARMA®
WE ADD PERFORMANCE TO YOUR BUSINESS

YUMAMYCIN® 1%, PREMIX (maduramicin ammonium)

COMPOSITION

Content	Yumamycin® 1% premix
Maduramicin ammonium	1 g
Excipients	up to 100 g

PHARMACOLOGICAL ACTION

Maduramicin is a monovalent glycoside polyether ionophore coccidiostat. It induces an anticoccidial effect on the asexual forms (sporozoites, merozoites and falciform bodies) of the endogenous development of coccidia *(Eimeria tenella, E. acervulina, E. mivati, E. brunetti, E. maxima, E. necatrix)* in poultry, some resistant forms to other ionophore coccidiostats included. Its anticoccidial activity is due to disorder in ion metabolism (potassium and sodium in particular). It is incompatible with tiamulin.

INDICATIONS

For prevention and control of coccidiosis in chickens for fattening, pullets reared for laying up to 16 weeks of age; turkey poults up to 12 weeks of age.

CONTRAINDICATIONS

Do not treat animals with feed supplemented with Yumamycin® while receiving, or for at least seven days before or after receiving feed containing tiamulin. Do not mix with another anticoccidial. Do not administer to horses or other equines.

MODE OF ADMINISTRATION

Orally, thoroughly mixed into feed.
In order to reach uniform homogenization with feed, it is recommended to mix the measured quantity of the preparation (calculated on the basis of the prescribed dose) on stages in the following order: up to 10 kg feed; up to 100 kg feed; and up to 1000 kg feed.

TARGET SPECIES

Poultry.

DOSAGE

Species	Maduramicin ammonium ppm	Yumamycin® 1% premix g/ ton feed
Chickens for fattening	5	500
Replacement layers up to 16 weeks of age	5	500
Turkey poults up to 12 weeks of age	5	500

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SIDE EFFECTS

In case of overdose, possible suppression of growth and intoxication (with clinical manifestation such as loss of appetite, tremor, paresis of limbs and death) could occur.

WITHDRAWAL PERIOD

Nil.

STORAGE

In the original packing, well closed, in dry and well-ventilated facilities, protected from direct sunlight.

PACKING

25 kg PE-lined multi-layer paper bags.

WARNING

Do not leave or dispose of medicated feed or premix containing maduramicin in places accessible to other domestic or wild animal species.

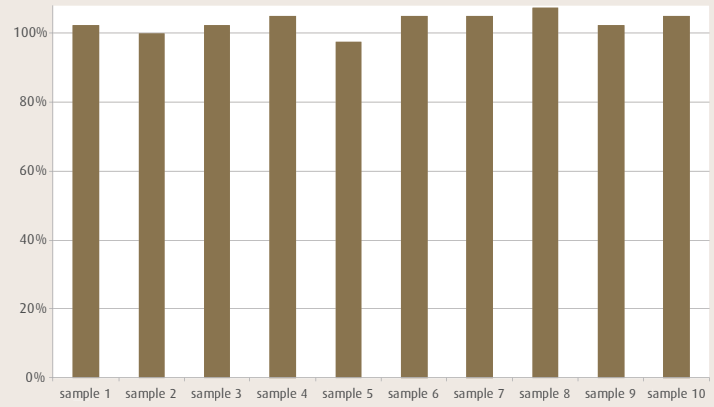
Heat stability of Yumamycin®

Factbox

Investigation of stability of Yumamycin® (maduramycin) in pelleted broiler feed.
Inclusion rate of 500 grams of Yumamycin® per ton of feed or 5 ppm.
Recovery % of maduramycin after pelleting at 80°C was investigated in 10 different feed samples.

Results

Recovery rate of maduramycin in Yumamycin® after pelleting (%)



Conclusion

- Recovery percentage above 100% is due to analytical variation which is typical for in feed anticoccidial detection.
- No loss of maduramycin (in Yumamycin®) after pelleting.
- Microgranulated Yumamycin® ensures a uniform mixing and high recovery of maduramycin.

FEED ADDITIVES

YUMAMYCIN HAS A PROVEN ANTICOCCIDIAL EFFICACY AND CONSEQUENT PRODUCTIVITY ENHANCING EFFECTS IN POULTRY

SAFE

- Yumamycin is extremely safe in target species.
- Yumamycin can be applied all year-round.
- It does not affect the feed and water intake, nor does it increase moisture in the urine and fecal discharge.
- The product can be added to finisher feed because of its short withdrawal period.
- The product does not affect the slaughter yield, the pigmentation of skin, legs and fat, the chemical composition and the meat taste.
- It remains stable during processing (e.g. pelleting) and storage both as a premix and in compound feeds.
- Yumamycin is compatible with most other feed additives.

COST-EFFECTIVE

- It increases weight gain and stimulates feed conversion efficiency in chickens.
- It is successfully included in rotation and shuttle programs against coccidiosis in chickens and turkey poults.
- It helps producers save on feed costs and medication costs thus increasing the potential profit per animal.

EFFICACY

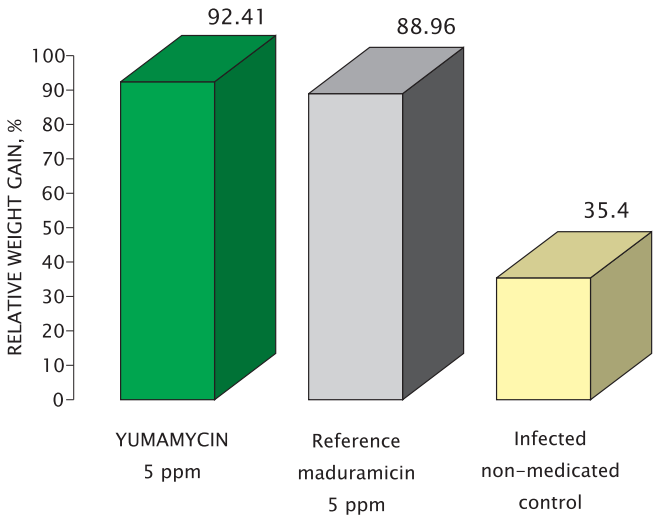
Yumamycin's efficacy has been evaluated in the conditions of clinical trial involving chickens experimentally infected with *E. tenella*, in floor-pen raised chickens infected with mixed *E. tenella, E. acervulina, E. necatrix* and *E. mivati* infection and in field trials.

EFFICACY OF YUMAMYCIN IN THE CONDITIONS OF INDUCED COCCIDIAL INFECTION IN BROILER CHICKENS

Treatment	Yumamycin 5 ppm	Reference maduramicin 5 ppm	Infected non-medicated control
Concentration in feed ppm	5	5	-
Mortality %	0	0	60
Relative weight gain %	92.41	88.96	35.4
Mean lesion score	2	4	38.55
Mean oocyst count	1	10.5	10.5
Anticoccidial index	189.41	179.48	31.35

Yumamycin is packaged in 25 kg multi-layer, flat-bottom bags.

RELATIVE WEIGHT GAIN, COMPARISON TRIAL



Please refer to the product label for instructions for use, including dosage, mixing, handling, safety precautions and storage.