

TECHNICAL SERVICE UPDATE

QUESTIONS AND ANSWERS ABOUT AMPROL PRODUCTS

WHAT IS AMPROL?

AMPROL products are anticoccidials used for both the prevention and the treatment of coccidiosis in many avian species.

HOW IS AMPROL USED?

As a preventive, AMPROL 25% or AMPROL Plus[®] (amprolium & ethopabate) is mixed in feed and fed continuously. As a treatment, AMPROL 20% Soluble Powder or 9.6% Oral Solution is added to the drinking water of birds that already have coccidiosis in order to reduce production losses.

WHAT IS AMPROL PLUS?

AMPROL PLUS is a feed medication combined with ethopabate to improve the effectiveness of AMPROL against certain species of coccidia.

WHAT AVIAN SPECIES ARE AMPROL PRODUCTS APPROVED FOR?

AMPROL is approved for use in chickens, including broilers, layers and replacements as well as turkeys and pheasants.

ARE AMPROL PRODUCTS SAFE?

AMPROL and AMPROL PLUS have a wide margin of safety. A five-fold multiple of the highest approved dose produced no signs of toxicity. There is no known AMPROL toxicity in non-target species at approved dose levels. AMPROL at approved levels does not affect production in layers or broiler breeders.

WHAT ARE THE MAJOR ADVANTAGES OF AMPROL PRODUCTS?

Besides their wide safety margin, AMPROL products are especially effective against *E.tenella* and *E.necatrix* in chickens. AMPROL is the only anticoccidial used for treatment with no withdrawal time. It has a wide dose range and can be used as a preventative or treatment, in either feed or water. AMPROL is approved in many combinations with other feed medications, and has a 3 year shelf life.

ARE THERE ANY UNIQUE ASPECTS ABOUT AMPROL?

A recent study showed that AMPROL in either feed or water not only reduced the shedding of oocysts by *E.acervulina*, *E.maxima*, *E.tenella* and *E.necatrix*, but also, for most strains tested, reduced the infectivity of those oocysts that were shed.

Another recent study showed that AMPROL in the water can be used to supplement an anticoccidial in the feed of replacement chickens on a skip-a-day feeding program. AMPROL used in this way improved protection against coccidiosis while still allowing immunity to develop.

ARE THERE ANY OTHER RECENT STUDIES ON AMPROL?

Sensitivity studies done at the USDA Laboratory in Beltsville, MD show that AMPROL PLUS is more effective than most anticoccidials against field isolates. In addition, a broiler field trial in September 1993 in Mississippi showed that birds medicated with AMPROL PLUS had 2 points better weight gain and 2 points improvement in feed conversion compared to DECCOX™ dequateate.

ARE THERE ANY DRAWBACKS TO THE USE OF AMPROL?

AMPROL premix is very stable, but loses activity in mixed feed at the rate of 5 - 7% per month.

HOW CAN I GET OTHER QUESTIONS ABOUT AMPROL ANSWERED?

If you or your customers have any questions about AMPROL products, such as dosage, mixing or safety, please call Koffolk Technical Services at 1-800-964-9063, 24 hours a day.

References:

1. Supplemental Use of Liquid Amprolium in Skip-a-Day Feeding of Replacement Pullets, M.D. Ruff and M.B. Chute, Poultry Science, 70:515-520, 1990.
2. Effect of Amprolium on Production, Spoilation, and Infectivity of Eimeria Oocyts, M.D. Ruff et al, Avian Diseases, 37:988-92, 1993.
3. Coccidiosis in Gamebirds, L.R. McDougald, L.P. Joyner, and P.L. Long, Proceeding of the Georgia Coccidiosis Conference, Gainesville, GA Nov 18-20, 1985.
4. Coccidiosis in Gallinaceous Game Birds and its Control, M.D. Ruff, L.R. McDonald, L.O. Joyner and P.L. Long, Proceedings of the Georgia Coccidiosis Conference, Gainesville, GA Nov 18-20, 1985
5. Prevention of Coccidiosis in Bobwhites by Medication, M.D. Ruff, G.C. Wilkins, M.B. Chute, Poultry Science, 1987, 66, 9, 1437-1445

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