

SCHERING-PLOUGH ANIMAL HEALTH TECHNICAL SERVICE BULLETIN

A Clinacox™ Field Efficacy and Comparative Study in Turkey Toms

No. 373



Coccidiosis primarily affects turkeys between the ages of 3-10 weeks and is characterized by enteritis, watery or mucoid diarrhoea, and anorexia contributing to overall poor flock performance. It is common practice to include anticoccidials in turkey feeds during the rearing period for coccidiosis prevention.

Clinacox is a new anticoccidial feed additive recently approved in the United States for use in both turkeys and broiler chickens.

A Clinacox field trial was conducted at a large turkey producer located in the southeastern United States. The objective of the trial was to test the efficacy of the new anticoccidial chemical Clinacox (diclazuril) in turkey toms grown to 146 days of age. Performance data from the turkey toms on the straight Clinacox program was also obtained at the end of grow-out and compared to a Clinacox/monensin/lasalocid shuttle program. Both test groups were fed Clinacox during the brooding period to 5 weeks of age.

Treatments:

Table 1

	Brooder Barn	Growout / Finisher Barn			
Program	1-5 weeks	5-8 weeks	8-10 weeks	10-11 weeks	11 wks-mkt
Shuttle	Clinacox (1 ppm)	Monensin (60 gms)	Lasalocid (90 gms)	Lasalocid (113 gms)	Virginiamycin (10 gms)
Straight	Clinacox (1 ppm)	Clinacox (1 ppm)	Clinacox (1 ppm)	Clinacox (1 ppm)	Virginiamycin (10 gms)

Performance Results:

Table 2

Variables	Shuttle Program Combined Averages	Straight Program Combined Averages
No. Placed	13,900	13,900
Liveability	91.9%	92.5%
Avg. Weight	41.68	41.18
Feed Conversion.	2.722	2.705
Feed cost/lb	\$0.1909	\$0.1905

Summary

For turkeys, fewer anticoccidial products are available than for broiler chickens. As with broiler chickens, the development of anticoccidial drug resistance is an equal threat for turkey coccidia. Therefore rotation programs with products having different mode of action should be considered.

The results from this trial demonstrate that Clinacox is a safe, equally effective, and economical anticoccidial option for coccidiosis control in turkeys.