



From:

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To: [REDACTED]	Re: BMD® 110 G, Monensin Premix, Safe-Guard Premix
Telephone: [REDACTED]	Case Id: ON-102121-23798
Fax: [REDACTED]	Date of Response: Oct 22, 2021 11:33:37 AM
Email: [REDACTED]	

Case Information:

Date Submitted Oct 21, 2021 9:41:17 AM
Species Turkeys
Number of Animals 27000
Location of Animals
Reason for Use
Drugs Administered

Drug Trade Name	Generics	Route	Dose	Diseases
BMD® 110 G	• bacitracin	Oral - Feed	55 ppm (in feed) Continuously for 7 days	• Alimentary: necrotic enteritis - clostridium perfringens
Monensin Premix	• monensin sodium	Oral - Feed	60 ppm (in feed) Continuously for 7 days	• Alimentary: coccidiosis
Safe-Guard Premix	• fenbendazole	Oral - Feed	16 ppm (in feed) Continuously for 7 days	• Alimentary: endoparasites - ascarids • Alimentary: endoparasites - heterakis

Response and Recommendation: 48 hours

Recent changes in legislation removed all growth promotion claims on feed additive drugs in

Canada. These changes resulted in no "on label" claim for bacitracin in turkeys. Bacitracin was approved for use in turkey feeds "as an aid in improving the rate of gain and feed efficiency" at 4.4 ppm to be fed to market weight with no withdrawal time. Based on very limited available information, it appears that the zero withdrawal time for bacitracin in turkeys in Canada was based on the very low oral bioavailability of this drug. Historically, when there was no Canadian MRL in turkeys, we recommended a very conservative meat withdrawal interval of 5 days when the bacitracin dose is increased up to 55 ppm in turkey feeds. The Canadian MRL for bacitracin in turkey tissues has now been established at 0.5 ppm (kidney, liver, muscle, and skin & fat) which is the same as the United States. Bacitracin is approved in the United States for use in turkeys at concentrations of 4.4- 55 ppm and 220 ppm with no withdrawal time. Since the MRLs for bacitracin in turkeys have not changed, it appears that doses up to 220 ppm will not result in violative residues. However to comply with CgFARAD™ policy of recommending a "greatly extended" withdrawal interval for extralabel drug use in food animals, we recommend following a minimum 24 hours meat withdrawal interval for this use of bacitracin in turkeys. Monensin is approved for inclusion in turkey rations for the prevention of coccidiosis at 100 ppm with no limit to the duration of treatment and with a zero-day withdrawal time. Fenbendazole (Safe-Guard® Premix 20%) is approved as a dewormer for growing turkeys in Canada at 16 ppm to be fed for 6 days with a withdrawal time of 24 hours. The VDD has set an MRL for turkeys at 3 ppm for liver and 2 ppm for kidney, muscle & skin-fat. In your case, fenbendazole will be used at the approved dose but the duration of treatment will be extended. By convention, we add an elimination half-life for every increasing/doubling of the drug dose. This also applies when the duration of treatment is extended. Given that the label withdrawal time of Safe-Guard Premix is 24 hours for turkeys and to comply with CgFARAD™ policy of recommending a "greatly extended" withdrawal interval for any extralabel drug use in food animals, we recommend following a withdrawal interval of at least 48 hours for this extralabel use of fenbendazole in turkeys. We are not aware of any interaction between these drugs that would require further extension of the withdrawal intervals. Therefore, we recommend following a withdrawal interval of at least 48 hours for this combination.

Therefore, the Canadian gFARAD recommends a withdrawal interval of 48 hours, which should be sufficient so that detectable residues are not found. Furthermore, this recommendation for residue avoidance does not address the risks of developing or transmitting antimicrobial resistance from treated animals to other animals or humans following the extralabel use of this antimicrobial. Because the Canadian gFARAD withdrawal recommendation is not an official withdrawal time and is based on data that has not been reviewed nor approved by the Veterinary Drugs Directorate or the Canadian Food Inspection Agency, responsibility for residue violations rests with the attending veterinarian.

To review this request in CgFARAD:

<https://farad.usask.ca/cgfarad/vet/viewRequest?id=23798&langen>