



From:

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To: [REDACTED] **Re:** Robenz® Medicated Premix, Surmax™ Premix, Safe-Guard® Premix 20%
Telephone: [REDACTED] **Case Id:** ON-012122-24179
Fax: [REDACTED] **Date of Response:** Jan 21, 2022 1:30:59 PM
Email:
[REDACTED]

Case Information:

Date Submitted Jan 21, 2022 12:29:47 PM
Species Turkeys
Number of Animals 6000
Location of Animals
Reason for Use Prophylaxis
Drugs Administered

Drug Trade Name	Generics	Route	Dose	Diseases
Robenz® Medicated Premix	• robenidine hydrochloride	Oral - Feed	33 ppm (in feed) Continuously for 7 days	• Alimentary: coccidiosis
Surmax™ Premix	• avilamycin	Oral - Feed	20 ppm (in feed) Continuously for 7 days	• Alimentary: necrotic enteritis - clostridium perfringens
Safe-Guard® Premix 20%	• fenbendazole	Oral - Feed	16 ppm (in feed) Continuously for 7 days	• Alimentary: endoparasites - ascarids

Response and Recommendation: 6 days

Robenidine is approved for use in turkey rations for the prevention of coccidiosis at 33 ppm to be

fed up to eight weeks of age with a withdrawal time of 6 days. Avilamycin is not approved for use in turkeys in Canada, and there are no maximum residue limits for turkeys. Therefore, any amount detected at slaughter will constitute a violative residue. CgFARAD™ was able to obtain tissue depletion data for avilamycin used at 45 ppm for 21 days in turkeys from Elanco. Based on the results of the Elanco study, following a withdrawal interval of 24 hours should be sufficient for the use of avilamycin up to 45 ppm for 21 days in turkeys. Fenbendazole (Safe-Guard® Premix 20%) is approved as a dewormer for growing turkeys 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. As such, we recommend following a withdrawal interval of at least 6 days for this combination.

Therefore, the Canadian gFARAD recommends a withdrawal interval of 6 days, 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.