



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 6 days when bacitracin is used in turkey feeds at 110 ppm. 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, we recommend following a minimum 24 hours meat withdrawal interval for this use of bacitracin in turkeys. We are not aware of any interaction between these drugs that would require further extension of the withdrawal interval. As such, we recommend that you follow a withdrawal interval of at least 24 hours for this combination.

Therefore, the Canadian gFARAD recommends a withdrawal interval of 24 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=20615&langen>