



For use by CFIA inspection staff as a guide in assessing the adequacy of written clean out procedures for cross-utilized equipment used to manufacture and handle medicated feeds containing different medications or medicated and non-medicated feeds in commercial feed mills, feed retail outlets and on-farm feed mills.

For the most part, these guidelines reflect the intended uses detailed in the Compendium of Medicating Ingredient Brochures (CMIB) which are based on the submissions from the drug companies to Health Canada for approval, with the following **three** exceptions:

1. As a result of ongoing concerns related to residues of Sulfamethazine in BBQ hogs, sequencing is no longer considered a viable drug management strategy in commercial feed mills and feed retail outlets for this medication. For on farm situations, limited flexibility remains as the livestock producer will have access to information on the feeding practices for the animals on the farm and be able to determine whether a residue might be present in animals receiving feeds that contain residual levels of Sulfamethazine.
2. Health Canada and CFIA are presently conducting a joint "Drug Risk Ranking Project" designed to quantify the risks associated with carryover drug residues for both approved and unapproved uses in order to provide additional guidance on management strategies supporting the development of production sequences that will result in the manufacture of feeds that do not negatively impact on either animal or human health. To date, Lasalocid Sodium, Monensin Sodium, Narasin and Nicarazin have been evaluated using the risk ranking model. This version of the Medication Sequencing Guideline includes the results of those evaluations, e.g., where scientifically justified, carryover levels of Lasalocid Sodium, Monensin Sodium, Narasin and Nicarazin are now considered acceptable in certain additional species for which the drug is not approved in the CMIB. Updates to the Medication Sequencing Guideline will continue to be made as the evaluation of additional drugs is completed.
3. In the absence of safety evaluations, Emergency Drugs Release (EDR's) can only be sequenced when both feeds contain the same (EDR).

#### Remarks

1. This guide requires that inspection staff consider concentration of medications in feeds when assessing sequencing procedures to verify that carryover does not result in the feeds (unintentionally) containing treatment levels of medications (for example, a complete feed might safely follow a medicated complete feed but it may not be safe for that same complete feed to follow a medicated premix or other medicated feed containing high concentrations of the same drug).
2. Market Ready is defined as follows:
  - a. For feeds manufactured in commercial feed mills - feeds labelled for consumption by finishing animals, growing swine, laying hens and lactating animals producing milk intended for human consumption or where the labelling does not specify the stage of production (e.g. swine ration)
  - b. For feeds manufactured on-farm - feeds intended for feeding to animals that produce food for human consumption (meat, milk, eggs) within the withdrawal period for the drug being fed. Special caution needs to be used when culling sows or selecting BBQ hogs, etc. to make sure that animals that have consumed a feed containing a medication that has a withdrawal period are fed unmedicated feed for a period equal to the withdrawal period for that medication prior to being shipped.

MEDICATION	BRAND NAME	MIB #	APPROVED FOR	WITHDRAWAL	MAY FOLLOW WITH FEEDS FOR
Amprolium	<ul style="list-style-type: none"> <li>• <b>AMPROL FEED PREMIX</b></li> </ul>	27	Turkeys (up to 16 weeks of age) Replacement chickens (not laying birds in production) Broiler chickens (not laying birds in production) Calves (not replacement)	7 days for calves	<b>Turkeys up to 16 weeks of age</b> <b>Chickens up to 18 weeks</b> <b>Calves (not replacement) (not market ready)</b>
Arsanilic Acid	<ul style="list-style-type: none"> <li>• <b>PRO-GEN 20%</b></li> <li>• <b>PRO-GEN 100%</b></li> </ul>	4	Broiler Chickens Replacement Chickens Laying Chickens Turkeys Swine	5 days for all meat only	<b>Chickens (not market ready-meat)</b> <b>Turkey (not market ready)</b> <b>Swine (not market ready)</b>
Bacitracin methylene disalicylate	<ul style="list-style-type: none"> <li>• <b>BMD 110 G MEDICATED PREMIX</b></li> </ul>	10.2	Chickens (starter, grower, finisher) Turkeys (starter, grower, finisher) Swine (starter, grower, finisher)	none	<b>Chickens up to 14 weeks</b>  <b>Turkeys - Meat birds up to market weight</b> <b>Swine</b>
	<ul style="list-style-type: none"> <li>• <b>BMD 110 G MEDICATED PREMIX</b></li> </ul>	48	Broiler Chickens Pregnant and Lactating Sows and Gilts	none	
Bacitracin Zinc	<ul style="list-style-type: none"> <li>• <b>ZINC BACITRACIN POWDER 110</b></li> <li>• <b>ALBAC POWDER 11% ZINC BACITRACIN PREMIX</b></li> <li>• <b>ALBAC 110P ZINC BACITRACIN PREMIX</b></li> </ul>	10.2	Chicken (starter, grower, finisher) Turkeys (starter, grower, finisher) Swine (starter, grower, finisher)	none	<b>Chickens up to 14 weeks</b> <b>Turkeys – Meat birds up to market weight</b> <b>Swine</b>
		37A	Chickens Swine	none	
Bambermycins	<ul style="list-style-type: none"> <li>• <b>FLAVOMYCIN 4 ANTIBIOTIC PREMIX</b></li> </ul>	10.12	Broiler Chickens up to market weight (not laying, replacement or breeders) Broiler Turkeys up to 12 weeks (not replacement or breeding)	none	<b>Chickens – Meat birds up to market weight</b> <b>Turkeys - Meat birds up to 12 weeks</b>

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Chlortetracycline hydrochloride	<ul style="list-style-type: none"> <li>• <b>AUREOMYCIN 50</b></li> <li>• <b>AUREOMYCIN 220G GRANULAR MEDICATED PREMIX</b></li> <li>• <b>AUREOMYCIN 110G MEDICATED PREMIX</b></li> </ul>	10.1	Chickens (0-12 weeks of age) Turkeys (0-24 weeks of age) Swine (starter, grower, finisher) Calves (starter and grower) Lambs (starter, grower, finisher) Mink	none	<b>Chickens (0-12 weeks of age)</b> <b>Turkeys (0-24 weeks of age)</b> <b>Swine</b> <b>Calves (starter and grower)</b> <b>Lambs</b> <b>Mink</b>
	<ul style="list-style-type: none"> <li>• <b>AUREOMYCIN 50</b></li> <li>• <b>CHLOROSOL 50 PREMIX</b></li> <li>• <b>AUREOMYCIN 220G GRANULAR MEDICATED PREMIX</b></li> <li>• <b>AUREOMYCIN 110G MEDICATED PREMIX</b></li> </ul>	34	Broiler Chickens Laying Chickens Replacement Chickens (up to 14 weeks) Turkeys Turkey Poults (up to 5 days) Feed-lot Lambs Swine Beef Non-Lactating Dairy Cattle Calves up to 136 kg/milk replacers	4 days Lambs 5 days Beef Cattle Non lactating Dairy Cattle, Calves 7 days Chickens Turkeys Swine	<b>Chickens (not market ready)</b> <b>Turkeys (not market ready)</b> <b>Lambs (not market ready)</b> <b>Swine (not market ready)</b> <b>Calves up to 136 kg (not market ready)</b> <b>Beef Cattle (not market ready)</b> <b>Non-Lactating Dairy Cattle (not market ready)</b>
	<ul style="list-style-type: none"> <li>• <b>AUREOMYCIN 220G GRANULAR MEDICATED PREMIX</b></li> <li>• <b>AUREOMYCIN 110G MEDICATED PREMIX</b></li> </ul>		Swine (Claim 42)		
	<ul style="list-style-type: none"> <li>• <b>CHLOR 50</b></li> <li>• <b>CHLOR 100</b></li> </ul>		Swine (Claims 35, 36, 37, 38) Calves up to 136 kg/milk replacers (Claims 40, 41) Beef Cattle (Claim 39) (not for slaughter) Non-Lactating Dairy Cattle (not for slaughter) (Claim 39)		
Chlortetracycline hydrochloride and Sulfamethazine	<ul style="list-style-type: none"> <li>• <b>AUREO S-700 G PREMIX</b></li> <li>• <b>CHLOR S-700</b></li> </ul>	49	Beef Cattle (for first 4 weeks after entering feedlot)	10 days	<b>Beef Cattle first 4 weeks after entering the feedlot – (not market ready)</b> <b>Swine (on farm feed mills only, not market ready)</b>

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Chlortetracycline hydrochloride, Sulfamethazine, and Procaine Penicillin	<ul style="list-style-type: none"> <li>• AUREO S-P 250 G PREMIX</li> <li>• AUREOMIX 625 G PREMIX</li> <li>• CHLOR 250</li> <li>• SUPER CHLOR 250</li> <li>• CHLOROSOL 250 PREMIX</li> <li>• SUPER CHLOROSOL 250 PREMIX</li> </ul>	38	Swine	10 days	Swine <b>(on farm feed mills only, not market ready)</b>
Clopidol	<ul style="list-style-type: none"> <li>• COYDEN 25 ANTICOCCIDIAL PREMIX</li> </ul>	45	Broiler Chickens (not laying hens) Replacement Chickens up to 16 weeks of age (not birds intended for breeding purposes)	none	<b>Chickens up to 16 weeks</b>
Decoquinatate	<ul style="list-style-type: none"> <li>• DECCOX 6% PREMIX</li> </ul>	50	Broiler Chicken (not laying birds) Cattle (not lactating dairy cattle producing milk for food)	none	<b>Chicken - Meat birds up to market weight</b>  <b>Cattle</b> (not lactating dairy cattle producing milk for food)
	<ul style="list-style-type: none"> <li>• DECCOX-M PREMIX</li> </ul>		In milk replacers for non-ruminating calves, including veal calves		
Dichlorvos	<ul style="list-style-type: none"> <li>• ATGARD C SWINE WORMER</li> </ul>	65	Swine	14 days	<b>Swine</b> (not market ready)
Diclazuril	<ul style="list-style-type: none"> <li>• CLINACOX 0.5% PREMIX</li> </ul>	77	Broiler Chickens up to slaughter Growing Turkeys (up to 14 weeks in age)	none	<b>Chickens - Meat birds up to market weight</b> <b>Growing Turkeys up to 14 weeks in age</b>
Erythromycin thiocyanate	<ul style="list-style-type: none"> <li>• GALLIMYCIN 50 PREMIX</li> </ul>	41	Breeding Chickens (not chickens producing eggs for food)	24 hours	<b>Breeding Chickens not producing eggs for food</b> (not market ready)
Fenbendazole	<ul style="list-style-type: none"> <li>• SAFE-GUARD PREMIX 20%</li> </ul>	72	Swine Cattle	13 days cattle	<b>Swine</b> <b>Cattle</b> (not market ready)
Halofuginone hydrobromide	<ul style="list-style-type: none"> <li>• STENOROL PREMIX</li> </ul>	76	Broiler Chickens (not laying, replacement or breeders)	5 days	<b>Chickens - Meat birds raised for slaughter</b> (not market ready)

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Hygromycin B	<ul style="list-style-type: none"> <li>• <b>HYGROMIX 8</b></li> </ul>	20	Swine Broiler Chickens Replacement Chickens ) (up to 14 weeks of age) Laying Chickens	2 days	<b>Swine</b> (not market ready) <b>Chickens – meat</b> (not market ready)
Ivermectin	<ul style="list-style-type: none"> <li>• <b>IVOMEK PREMIX FOR SWINE</b></li> <li>• <b>IVOMEK 0.04% PREMIX FOR SWINE</b></li> <li>• <b>ULTRAMECTRIN PREMIX FOR SWINE</b></li> <li>• <b>NOROMECTIN PREMIX FOR SWINE</b></li> </ul>	78	Swine	5 days 14 days for breeding swine (IVOMEK Premix only)	<b>Swine</b> (not market ready)
Lasalocid Sodium	<ul style="list-style-type: none"> <li>• <b>AVATEC LASALOCID SODIUM MEDICATING PREMIX</b></li> </ul>	66	Broiler Chickens (not replacement, breeding or laying chickens) Growing Turkeys up to 14 weeks of age for female, and 16 weeks of age for males (not replacement and breeding turkeys)	none	<b>Chickens - Meat birds up to market weight</b> <b>Turkeys - Meat birds up to market weight</b> <b>Cattle*</b> <b>Lambs</b> (not market ready) <b>Ewes and Rams*</b> <b>Swine*</b>  <b>* additional flexibility as a result of the Risk Ranking Project</b>
	<ul style="list-style-type: none"> <li>• <b>BOVATEC LASALOCID SODIUM MEDICATED PREMIX</b></li> </ul>		Cattle (not dry or lactating dairy) Lambs	2 days Lambs	
	<ul style="list-style-type: none"> <li>• <b>AVATEC 20 LASALOCID SODIUM PREMIX</b></li> <li>• <b>BOVATEC 20 LASALOCID SODIUM PREMIX</b></li> </ul>		Broiler Chickens, Turkeys, Cattle(non lactating) and lambs		
Levamisole	<ul style="list-style-type: none"> <li>• <b>TRAMISOL 10 % PREMIX</b></li> </ul>	54	Swine	4 days Swine	<b>Swine</b> (not market ready) <b>Cattle</b> (not market ready or lactating dairy cows)
	<ul style="list-style-type: none"> <li>• <b>TRAMISOL 50% MEDICATED PREMIX</b></li> </ul>		Cattle (not lactating dairy cows) Swine	10 days Cattle 2.5 days milk	
Lincomycin	<ul style="list-style-type: none"> <li>• <b>LINCOMIX 44 PREMIX</b></li> <li>• <b>LINCOMIX 110 PREMIX</b></li> </ul>	10.5	Only Broiler Chickens (not laying, breeding or replacement chickens)	none	<b>Chickens - Meat birds up to market weight</b>

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	<ul style="list-style-type: none"> <li>LINCOMIX 44 PREMIX</li> <li>LINCOMIX 110 PREMIX</li> <li>LINCOMYCIN 44 PREMIX</li> <li>LINCOMYCIN 110 PREMIX</li> <li>LINCOMYCIN 44 G PREMIX</li> <li>LINCOMYCIN 110 G PREMIX</li> </ul>	68	Swine (not breeding swine)	None - 1 Day (specific to brand and claim, refer to CMIB)	Swine (not breeding swine and not market ready if following 220 mg/kg inclusion)
Lincomycin and Spectinomycin	<ul style="list-style-type: none"> <li>L-S 20 PREMIX</li> <li>LINCOMYCIN-SPECTINOMYCIN 4.4% G PREMIX</li> </ul>	62	Swine up to 57 kg intended for slaughter	24 hours	Swine up to 57 kg intended for slaughter (not market ready)
Maduramicin ammonium	<ul style="list-style-type: none"> <li>CYGRO 1% PREMIX</li> </ul>	71	Broiler Chickens(not laying, replacements or breeders) Turkeys (not laying, replacement or breeders)	5 days	Chickens - Meat birds raised for slaughter (not market ready) Turkeys Meat birds raised for slaughter (not market ready)
Melengestrol acetate	<ul style="list-style-type: none"> <li>MGA 100 PREMIX</li> </ul>	46	Beef cattle (heifers only, 181 kg or more)	24 hours	Beef cattle - heifers only, 181 kg or more (not market ready)
Monensin Sodium	<ul style="list-style-type: none"> <li>COBAN PREMIX</li> <li>RUMENSIN PREMIX</li> <li>MONENSIN PREMIX</li> </ul>	57	Broiler Chickens (not replacement or laying chickens) Turkeys up to 10 weeks of age (not replacement, laying or breeding turkeys) Beef Cattle Cattle Pasture Cattle	none	Chickens - Meat birds up to market weight Turkeys raised for slaughter up to 10 weeks of age Cattle* Swine* Lambs, Ewes and Rams*  * additional flexibility as a result of the Risk Ranking Project
	<ul style="list-style-type: none"> <li>COBAN PREMIX</li> <li>RUMENSIN PREMIX</li> </ul>		Lactating Dairy Cows Dry and Lactating Dairy Cows	none	
Morantel tartrate	<ul style="list-style-type: none"> <li>BANMINTH II 20% PREMIX</li> </ul>	61	Cattle Swine	30 days	Cattle (not market ready) Swine (not market ready)

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Narasin	• <b>MONTEBAN 70 PREMIX</b>	73	Broiler Chickens (not laying birds) Growing-Finishing Swine (20kg to market weight, not replacement)	none	<b>Chickens-Meat birds up to market</b> <b>*Swine</b> <b>* additional flexibility as a result of the Risk Ranking Project</b>
Narasin and Nicarbazin	• <b>MAXIBAN PREMIX</b>	75	Broiler Chickens (not laying birds or breeding hens in production)	4 days	<b>Chickens- Meat birds raised for slaughter</b> (not market ready)
Nicarbazin	• <b>NICARB 25%</b>	9	Chickens (not laying or breeder hens in production)	4 days	<b>Chickens up to 18 weeks of age</b> (not market ready) <b>*Turkeys - Meat birds up to market weight</b> (not market ready) <b>* additional flexibility as a result of the Risk Ranking Project</b>
Nitarstone	• <b>HISTOSTAT 50</b>	81	Turkeys (not laying, replacement or breeding)	5 days	<b>Turkeys Meat birds up to market weight</b> (not market ready)
3-Nitro-4-hydroxyphenylarsonic acid	• <b>3-NITRO-20</b>	21	Broiler Chickens Replacement Chickens (up to 14 weeks) Laying Chickens Turkeys Swine	5 days	<b>Chickens –Meat</b> (not market ready) <b>Replacement Chickens</b> (up to 14 weeks) <b>Laying Chickens</b> <b>Turkeys</b> (not market ready) <b>Swine</b> (not market ready)
Novobiocin	• <b>ALBAMA PREMIX</b>	40	Turkeys (not laying or replacement)	4 days	<b>Turkeys - Meat birds raised for slaughter</b> (not market ready)
Oxytetracycline hydrochloride	• <b>TERRAMYCIN-AQUA</b>	35A	Salmonids (salmon and trout)	40-80 days	<b>Salmonids</b> (salmon & trout) (not market ready)

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	<ul style="list-style-type: none"> <li>• TERRAMYCIN-50</li> <li>• TERRAMYCIN-100</li> <li>• TERRAMYCIN-200</li> <li>• OXY SOL 110</li> <li>• OXY SOL 220</li> <li>• OXY SOL 440</li> <li>• OXYTETRACYCLINE 50 PREMIX</li> <li>• OXYTETRACYCLINE 100 PREMIX</li> <li>• OXYTETRACYCLINE 200 PREMIX</li> <li>• OXY – 110</li> <li>• OXY – 220</li> <li>• OXY – 440</li> </ul>	35	Broiler Chickens (not laying hens Claim 8 220mg/kg) Laying Chickens Replacement chickens (not laying hens Claim 21 220 mg/kg) Turkeys Lambs Swine Young cattle on pasture or in feedlots (Not dairy cows) Calves/Calf milk replacers	4 days Lambs  5 days Calves  7 days all others	<b>Chickens</b> (not market ready)  <b>Turkeys</b> (not market ready)  <b>Lambs</b> (not market ready) <b>Swine</b> (not market ready) <b>Cattle not including Lactating Dairy Cows</b> (not market ready)
Oxytetracycline hydrochloride and Neomycin sulphate	<ul style="list-style-type: none"> <li>• NEO-TERRAMYCIN 50/50 PREMIX</li> </ul>	55	Beef Cattle	7 days	<b>Beef Cattle</b> (not market ready)
Penicillin from Procaine penicillin	<ul style="list-style-type: none"> <li>• PEN-P 110</li> <li>• PEN-P 1000</li> <li>• PENICILLIN G PROCAINE 110</li> </ul>	10.7	Chickens up to 14 weeks (starter, grower and finisher)	none	<b>Chickens up to 14 weeks</b> <b>Swine *(OK as per pervious versions of MIB 37)</b> <b>Turkeys*</b> <i>* As CMIB 10.14 was removed for reasons not related to animal health or food safety, the previously accepted sequences are still considered valid</i>
Piperazine	<ul style="list-style-type: none"> <li>• PIPERAZINE 52</li> <li>• ASCAREX D</li> </ul>	19	Turkeys Chickens Swine	none	<b>Turkeys</b> <b>Chickens</b> <b>Swine</b>
Poloxalene	<ul style="list-style-type: none"> <li>• BLOAT-GUARD</li> </ul>	56	Cattle	none	<b>Cattle</b>

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Pyrantel tartrate	• <b>PRO-BANMINTH PREMIX</b>	64	Swine intended for slaughter	7 days	<b>Swine intended for slaughter</b> (not market ready)
Ractopamine Hydrochloride	• <b>PAYLEAN 20 PREMIX</b>	82 Δ Aug. 2010	Finishing barrows and gilts ≥70 kg, (not breeding or replacement swine) Finishing heavy turkeys, toms and hens (not breeding)	none	<b>Finishing Swine ≥70 kg</b> (not breeding or replacement swine) <b>Finishing heavy toms or hens turkeys for the last 14 days prior to slaughter</b> (not breeding)
	• <b>OPTAFLEXX 100 PREMIX</b>		Beef Cattle greater than 400 kg (steers and heifers) fed in confinement 28-42 days prior to slaughter	none	<b>Beef steers and heifers</b> (greater than 400 kg fed in confinement 28-42 days prior to slaughter)
Robenidine hydrochloride	• <b>ROBENZ MEDICATED PREMIX</b>	58	Broiler Chickens not laying , replacement and breeders) Broiler Turkeys (under 8 weeks of age) not replacement and breeders) Weaned and growing Rabbits( not breeding rabbits or pregnant does)	6 days	<b>Chickens - Meat birds raised for slaughter</b> (not market ready) <b>Turkeys Meat birds raised for slaughter under 8 weeks of age</b> <b>Weaned and growing Rabbits</b> not breeding rabbits or pregnant does (caution) (not market ready)
Salinomycin Sodium	• <b>POSISTAC 6% PREMIX</b>	10.13	Swine (growing-finishing, 25kg body weight to market weight) (not breeding swine)	none	<b>Swine - growing-finishing, 25kg body weight to market weight</b> (not breeding swine) <b>Chickens - Meat birds up to market weight</b> <b>Beef Cattle steers greater than 220 kgs</b> <b>Beef Cattle heifers greater than 220 kgs</b> (not replacement or breeding heifers)
	• <b>POSISTAC 6% PREMIX</b> • <b>COXISTAC 6% PREMIX</b> • <b>COXISTAC 12% PREMIX</b> • <b>SACOX 120 MEDICATED PREMIX</b> • <b>SALINOMYCIN 60 PREMIX</b> • <b>BIO-COX 120 G PREMIX</b> • <b>BIO-COX 120 G PLUS PREMIX</b>	69	Broiler Chickens (not replacement, laying for breeding chickens)  Beef Cattle (steers and feedlot heifers greater than 220 kg)(not replacement or breeding cattle)	None  24 hours for Heifers	
Semduramicin sodium	• <b>AVIAX MEDICATED PREMIX 5%</b>	79	Broiler Chickens (not laying, breeders or replacement chickens)	2 days	<b>Chickens - Meat birds raised for slaughter</b> (not market ready)

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Tiamulin	<ul style="list-style-type: none"> <li>• <b>DENEGARD MEDICATED PREMIX</b></li> <li>• <b>TIAMULIN 1.78% PREMIX</b></li> </ul>	74	Swine (not for gilts and sows during four weeks after service)	2 – 7 days	<b>Swine</b> (not market ready or gilts/sows within four weeks after service)
Tilmicosin	<ul style="list-style-type: none"> <li>• <b>PULMOTIL PREMIX</b></li> </ul>	80	Swine	14 days	<b>Swine</b> (not market ready)
Tylosin Phosphate	<ul style="list-style-type: none"> <li>• <b>TYLAN 10 PREMIX</b></li> <li>• <b>TYLAN 40 PREMIX</b></li> <li>• <b>TYLAN 100 PREMIX</b></li> </ul>	10.10	Swine (starter, grower, finisher)	none	<b>Swine</b>
	<ul style="list-style-type: none"> <li>• <b>TYLAN 10 PREMIX</b></li> <li>• <b>TYLAN 40 PREMIX</b></li> <li>• <b>TYLAN 100 PREMIX</b></li> <li>• <b>TYLOSIN 10 PREMIX</b></li> <li>• <b>TYLOSIN 40 PREMIX</b></li> </ul>	43	Swine Beef Cattle (not replacement, breeding or lactating Cattle) Broiler Chickens (not laying hens)	48 hours for Swine treated concurrently with this drug in the complete feed and with tylosin tartrate in drinking water	<b>Beef Cattle</b> (not replacement, breeding or lactating cattle) <b>Chickens Meat birds up to market weight</b>
Tylosin Phosphate and Sulfamethazine	<ul style="list-style-type: none"> <li>• <b>TYLAN 50/SULFA G PREMIX</b></li> </ul>	67	Swine starter feeds	10 days	<b>Swine starter feeds (on farm feed mills only, not market ready)</b>
Virginiamycin	<ul style="list-style-type: none"> <li>• <b>STAFAC 22</b></li> <li>• <b>STAFAC 44</b></li> <li>• <b>STAFAC 500</b></li> <li>• <b>VIRGINIAMYCIN 44 PREMIX</b></li> </ul>	10.11	Swine (starter, grower, finisher)  Broiler Chickens (starter, grower, finisher; not laying, replacement or breeding chickens)	none	<b>Swine</b> <b>Chickens-Meat birds up to market weight</b>
		63	Swine Broiler Chickens (not laying, replacement or breeding chickens)	none	
Zilpaterol hydrochloride	<ul style="list-style-type: none"> <li>• <b>ZILMAX PREMIX</b></li> </ul>	83	For beef cattle greater than 450 kg body weight fed in confinement for slaughter (not calves to be processed for veal) (not animals intended for breeding)	4 days	<b>Beef Cattle Greater than 450kg (on farm only, not market ready)</b> (not calves to be processed for veal or animals intended for breeding)
Zinc bacitracin and procaine penicillin	<ul style="list-style-type: none"> <li>• <b>BACIFERM-PB-50</b></li> </ul>	37	Chickens (not laying or breeding chickens) Swine	none	<b>Chickens under 14 weeks</b> <b>Swine</b>

△ As of August, 2010, "Date Revised" indicates the most recent date for which a revision to "May Follow With Feeds For" was made **AND** resulted in changes to acceptable sequencing.

Medication Sequencing Guideline for Management of Drug Carryover

MEDICATION	BRAND NAME	MIB #	APPROVED FOR	WITHDRAWAL	MAY FOLLOW WITH FEEDS FOR
Zoalene	<ul style="list-style-type: none"> <li><b>ZOAMIX MEDICATED PREMIX</b></li> </ul>	7	Broiler Chickens (not laying hens) Replacement Chickens up to 14 weeks of age Turkeys up to 7 weeks of age	none	<b>Chickens up to 14 weeks of age</b> <b>Turkeys up to 7 weeks of age</b>

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 Medication Sequencing Guideline for Management of Drug Carryover