



SOP 4.4 FEED SEQUENCING, MIXING AND DISTRIBUTION

★ CRITICAL CONTROL POINT

This standard operating procedure (SOP) may be used as a template.
If you develop your own version, all required elements must be included.

PID#:

Site Manager: Person in charge:

FEED SEQUENCING AND MIXING PROTOCOL

This SOP must be implemented for on-farm feed mill using medicated feed.

Designated personnel must follow the protocol below every time medicated feed is sequenced and mixed on-farm:		Applied On-Farm	Importance
1	The Site Manager must ensure the personnel in charge of this protocol are adequately trained.	<input type="checkbox"/>	Mandatory
2	Ensure dosage is accurate according to the manufacturer's instructions, CMIB guidelines and/or the veterinarian's prescription, as applicable. a. <i>What methods do you use to make sure the dosage used in the ration is adequate? (See guidance in Section 4.4 for example.)</i> _____	<input type="checkbox"/>	
3	Calibrate on-farm feed manufacturing equipment once a year and record your calibration on a Calibration Record (R-X): a. <i>Describe the method used to calibrate the feed mill:</i> _____ AND Conduct performance testing on a feed sample every three years and record the result on a Calibration Record (R-X).	<input type="checkbox"/>	
4	Maintain the Feed Sequencing, Mixing and Distribution Record (R-S): a. Record each batch mixed, including feed manufactured for other species. b. Record which batch is considered a flush. c. <i>Describe sequencing method(s) used: Ensure no finisher ration is mixed after a batch of medicated feed without physical clean-out, flushing or sequencing when feed is intended for animals going to slaughter</i> _____	<input type="checkbox"/>	
5	Visually inspect processing equipment and processed feed on a regular basis (to ensure ration uniformity).	<input type="checkbox"/>	
6	<i>Other good production practices:</i> _____ _____	<input type="checkbox"/>	

FEED DISTRIBUTION PROTOCOL

Designated personnel must follow this protocol each time feed is distributed on-farm:		Applied On-Farm	Importance
1	The Site Manager must ensure the personnel in charge of this protocol are adequately trained.	<input type="checkbox"/>	Mandatory
2	Describe how you ensure feed bins containing medicated feed requiring withdrawal time are emptied prior to filling the feed bin with non-medicated feed before feeding pigs going to slaughter (the start of a slaughter withdrawal period): _____ _____	<input type="checkbox"/>	
3	Describe how you ensure feed is distributed to the targeted pigs only: (e.g., No medicated feed is given to finisher pigs or pigs going to slaughter (respecting the rations used on-farm and the feed sequencing records)). _____ _____	<input type="checkbox"/>	
4	Other good production practices: _____ _____	<input type="checkbox"/>	Highly recommended

DEVIATION MEASURES

What happens if something goes wrong? If an error occurs, designated personnel must take following corrective actions.		Applied On-Farm	Importance
1	If necessary, identify and keep the pigs segregated on-site until the withdrawal period is complete.	<input type="checkbox"/>	Mandatory
2	Notify concerned individuals (such as marketing agencies, slaughterhouses [per their requirements], the Site Manager, other purchasers) and consult with your veterinarian to determine the appropriate withdrawal period.	<input type="checkbox"/>	
3	<i>Describe how to dispose of contaminated feed:</i> <i>(e.g. Apply the adequate withdrawal period to all pigs fed with medicated feed, if necessary or transfer the feed to another production stage where it does not cause risk of residues in accordance with veterinarian instructions.)</i> _____ _____	<input type="checkbox"/>	
4	Flush the feed system, if necessary. (If possible, use a non-medicated feed to flush the lines. Otherwise, flush the feed system with corn (or another grain according to a validated protocol and/or according to veterinarian instructions)).	<input type="checkbox"/>	
5	Identify the nature of the deviation, for example: a. The medication deviated from the manufacturer's label or prescription dosage (critical limits). b. The feed was delivered to the wrong group of pigs.	<input type="checkbox"/>	Mandatory
6	Record the deviation on an Incident Report (R-2) and record when adequate corrective actions were implemented.	<input type="checkbox"/>	
7	<i>Other good production practices:</i> _____ _____	<input type="checkbox"/>	Highly recommended

LEVELS OF NON-COMPLIANCE FOR CRITICAL CONTROL POINT

- Minor:** The corrective action must be completed within 60 days.
- Major:** (prior to shipping pigs): The corrective action must be completed within 30 days.
- Critical:** The corrective action must be completed within 24 hours.

VERIFICATION MEASURES

Designated personnel must complete the following verification measures: <i>Anyone who has completed PigSAFE training can be designated to complete the verification measures.</i>		Applied On-Farm	Importance
1	Verify the Ration Used On-Farm Record (R-R) and the Feed Sequencing, Mixing and Distribution Record (R-S) at least once a year to ensure the documents have been completed.	<input type="checkbox"/>	Mandatory
2	Verify the Feed Sequencing, Mixing and Distribution SOP (SOP 4.4) is reviewed annually or each time management changes occur and/or equipment is modified.	<input type="checkbox"/>	
3	Observe the person in charge of the SOP to ensure that the methods followed comply with the written SOP.	<input type="checkbox"/>	
4	Complete, sign and date the Verification Record (R-1) once a year.	<input type="checkbox"/>	

RECORDS

Name of Record		Importance
R-B	Training Record	Mandatory
R-R	Rations Used On-Farm Record	
R-S	Feed Sequencing, Mixing and/or Distribution Record	
R-X	Calibration Record	
R-1	Verification Record	
R-2	Incident Report (if applicable)	
R-3	Corrective Action Request (if applicable)	
R-4	Monitoring Record	
	Veterinary prescription (if applicable)	Highly recommended
R-U	Emergency Contact List	