

## Section 3.2

# Feed: Rations and Additives

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### REFERENCED IN THIS SECTION:

Number/ Identifier	Name	Importance
 <b>RECORDS</b>		
R-2	Incident Report	
R-4	Monitoring Record	
R-R	Rations Used On-Farm Record	Mandatory
R-R1	Rations Used On-Farm Record (for Quebec)	
R-V	List of Feed Suppliers	Highly recommended

## SECTION 3.2

### FEED: RATIONS AND ADDITIVES

#### REQUIREMENTS

1. All medicated and non-medicated rations, feed additives, Veterinary Health Products or any other products added to a ration or given to pigs (e.g., top dressing of potato starch) must be identified on the **Rations Used On-Farm Record (R-R or R-R1)**. This record must include:
  - a. the ration name or number
  - b. whether the ration was purchased complete or was mixed on-farm
  - c. the name of the supplier of the feed or feed ingredient(s)
  - d. whether the ration was medicated or not
  - e. the name of the medication
  - f. the amount of medication (kg) per 1,000 kg of feed
  - g. the number of grams of active ingredients per 1,000 kg of feed
  - h. the withdrawal period for each medication used.
2. The Rations Used On-Farm Record (R-R or R-R1) must be up to date.
3. The feed medications, the dosage and withdrawal periods must comply with either:
  - a. the manufacturer's label OR
  - b. the veterinarian's prescription.
4. All feed medication prescriptions must be available.
5. Feed delivery slips must be checked and signed by designated personnel and kept on file since the last validation.
6. Raw or cured meat products or any products that may come into contact with raw or cured meat must not be fed to pigs.

 Requirements identified with a star are related to Module 5.4 (Medication Withdrawal) which is a CCP.

*For your convenience, a template for the Rations Used On-Farm Record (R-R or R-R1) has been developed for you to use.*

#### RATIONALE

- a. All feed ingredients used on-farm must be approved by the Canadian Food Inspection Agency (CFIA). The description and purpose of these ingredients are listed and defined in schedules IV and V of the Feeds Regulations, together with appropriate guarantees, standards and labelling requirements.
- b. It is crucial to keep a record (list) of all feed rations and feed ingredients used on-farm. The record is required to demonstrate that the Site Manager is in control of all rations used and to ensure the rations can be correlated with a prescription, if applicable. It is also information required under Hazard Analysis and Critical Control Points (HACCP) programs and a crucial element of the feed medication critical control point.
- c. Due to the risk of zoonotic and exotic diseases, it is illegal in Canada to feed meat products and by-products or any products not approved by the Canadian Food Inspection Agency (CFIA).
- d. In Canada, meat, meat by-products and any products that may come into contact with raw meat cannot be used as recycled food products due to disease transmission hazards.

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## GUIDANCE

- a. Any new rations, or changes to current rations, have to be added on the Rations Used On-Farm Record (R-R or R-R1).
- b. The list of suppliers is included on the Rations Used On-Farm Record (R-R or R-R1). However, it is recommended that a separate list of suppliers (R-V) be maintained that includes the names of the individuals in charge as well as their addresses, phone numbers and email addresses.
- c. It is recommended that producers choose a feed supplier that follows a feed quality assurance program. A HACCP or ISO quality program for feed and feed ingredients includes measures to control contamination by hazards such as drug residue, chemical products, pathogens, mycotoxins and animal feces. A feed quality assurance program also provides feed mill personnel and truckers with training to prevent this type of cross-contamination.
- d. It is recommended that producers ask their feed and feed-ingredient suppliers to provide a letter of guarantee that contains the following:
  - i. The name of the feed-quality assurance program they follow to prevent their feed from being contaminated by drug residue, chemical products, pathogens, mycotoxins, and animal feces.
  - ii. A declaration that feed mill personnel and truckers are trained in good production practices for feed handling.
- e. In the event that drug residue is detected in the meat of pigs from your operation, feed samples can help to identify if inappropriate levels of drugs were present in the feed provided by your suppliers. This can be useful to identify the origin of the residue, which may show that you are not responsible for the situation. It is recommended that medicated and non-medicated premixes be stored separately.
- f. When samples are kept, they should weigh between 0.5 kg and 1 kg. Samples should be kept for at least six months and stored in adequately sealed containers to protect them from rodents and birds.
- g. Veterinary Health Products (homeopathic, plant-based products, probiotics, etc.) used on-farm should be properly identified and labeled. The label should provide information about the strength or concentration of the natural health product, recommended dosage and the manufacturer. Such products should be purchased only from recognized manufacturers or authorized retailers. New supplies should be inspected to ensure their packaging is original, intact and sealed.
- h. All Veterinary Health Products, any products that goes in, on and around the pigs that is used on-farm (e.g., probiotics, prebiotics, enzymes, essential oils) should be listed on Record R-P1 Other Products Used On-Farm.
- i. It is recommended that producers refuse to accept any bulk or bagged complete feed that comes without proper documentation.
- j. All personnel should be aware of potential hazards posed by foreign objects in feedstuffs.
- k. Producers are encouraged to consider using water-medications, given the ease of flushing the system.
- l. The Rations Used On-Farm Record (R-R1) includes the option to record the following information to help producers calculate their antimicrobial usage on-farm:
  - i. duration of ration usage (days)
  - ii. kilograms of feed consumed per pig.

## ? AUDIT QUESTIONS

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Q3.2.1	Verify that the Rations Used On-Farm Record (R-R or R-R1) includes all required elements and has been kept on file for at least one year.	<b>Full and Partial Validation:</b> > R-R or R-R1: Rations Used On-Farm Record			
	Does the Rations Used On-Farm Record (R-R or R-R1) include all PigSAFE-required elements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q3.2.2	Verify that all rations are listed on the Rations Used On-Farm Record (R-R or R-R1).	<b>Full and Partial Validation:</b> > R-R or R-R1: Rations Used On-Farm Record > interview			
	Is the Rations Used On-Farm Record (R-R or R-R1) up to date?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Q3.2.3	a. Verify that the feed medications and dosages used comply with the manufacturer's label or veterinarian's prescription. b. Verify that the feed medications withdrawal periods are being followed according to the manufacturer's label or the veterinarian's prescription. Cross-reference the rations listed on the Rations Used On-Farm Record (R-R or R-R1) with prescriptions and feed delivery slips to verify consistency.	<b>Full and Partial Validation:</b> > R-R or R-R1: Rations Used On-Farm Record > veterinary prescription(s)			
	a. Do the feed medications and dosages used comply with the veterinarian's prescription or the manufacturer's label (if there is no prescription)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Do the feed medications withdrawal periods comply with the veterinarian's prescription or the manufacturer's label (if there is no prescription)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q3.2.4	Verify that copies of prescriptions for any extra-label drug use are available and have been kept on file since the last validation. Cross-reference the rations listed on the Ration Used On-Farm Record (R-R or R-R1) with prescriptions and feed delivery slips to verify consistency.	<b>Full and Partial Validation:</b> > R-R or R-R1: Rations Used On-Farm Record > veterinary prescription(s)			
	If applicable, are copies of feed medication prescriptions available and do they indicate the withdrawal periods to be respected for all veterinary drugs used on label or in an extra label manner?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q3.2.5	Verify that feed delivery slips from commercial feed mills have been verified or electronic copies have been filed adequately or signed by designated personnel and have been kept on file since the last validation.  Electronic feed delivery slips are accepted whether they are filed in an electronic folder or printed, initialed and organized in a paper file folder (i.e., compliance cannot be verified by finding feed delivery slips through emails).  For feed received from an off-site on-farm feed mill, feed delivery slips must also be available.  Unopened emails in an inbox is not a good indication that the rations are actually being checked before being used.	<b>Full and Partial Validation:</b> > feed delivery slips			
	Have feed delivery slips been checked and signed by designated personnel and kept on file for a minimum of 12 months or since the last validation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Q3.2.6	Verify that pigs are fed feed that has not come into contact with raw meat and contains no raw/cured meat products or by-products.	<b>Full and Partial Validation:</b> > R-R or R-R1: Rations Used On-Farm Record > interview			
	Are pigs only given feed that has not come into contact with raw meat and that contains no raw or cured meat products or by-products ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

N/A = not applicable



## LEVELS OF COMPLIANCE – EXAMPLES

### COMPLIANT

- > The Rations Used On-Farm Record (R-R or R-R1) is complete and up to date.



### MINOR NON-COMPLIANCE **Timeline: 60 days**

- > The Rations Used On-Farm Record (R-R or R-R1) is not up to date.
- > The Rations Used On-Farm Record (R-R or R-R1) is missing some requirements.
- > Feed delivery slips have not been signed by the designated individual(s).
- > Feed delivery slips have not been kept on file for a minimum of 12 months or since the last validation.



### MAJOR NON-COMPLIANCE **Timeline: 30 days**

- > The Rations Used On-Farm Record (R-R or R-R1) is not available.
- > The medication, the dosages or the withdrawal periods do not comply with the prescription(s) or manufacturer's label.
- > There has been extra-label drug use of medication(s) without a prescription.
- > Pigs are being given or have been given feed containing raw meat products or by-products, or material that may have come into contact with raw meat.



## DEVIATION MEASURES

- > If some rations or additives are not listed on Rations used on-Farm Record (R-R or R-R1), the designated personnel must ensure the R-R or R-R1 is completed, includes all required elements, is updated, and kept on file.
- > If indications or veterinarian prescriptions are not available on site, the designated personnel must obtain them and keep it on file.
- > If raw or cured meat is observed in the barn, the designated personnel must ensure these products are not given to pigs.

Complete record R-2 Incident Report.

