

Product Category: Animal Food Supplements Intended Species: Cattle Life Stage: All

# **Model Animal Food Safety Plan for Animal Food Supplements for Cattle**

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### List of Product Ingredients and Incoming Materials Form (1)

Product Category: Manufacturers of Animal Supplements Livestock

<b>Bulk Ingredients</b>	<b>Bag, and Hand Add Ingredients</b>	<b>Medications/Drugs</b>
Feather Meal Cottonseed Meal Calcium Carbonate Distillers Dried Grain	Feed Grade Urea  Vitamin-Mineral Premix	None
<b>Liquids</b>	<b>Packaging Materials</b>	<b>Other Additives</b>
Molasses Products Vegetable Oil	Plastic Tubes	

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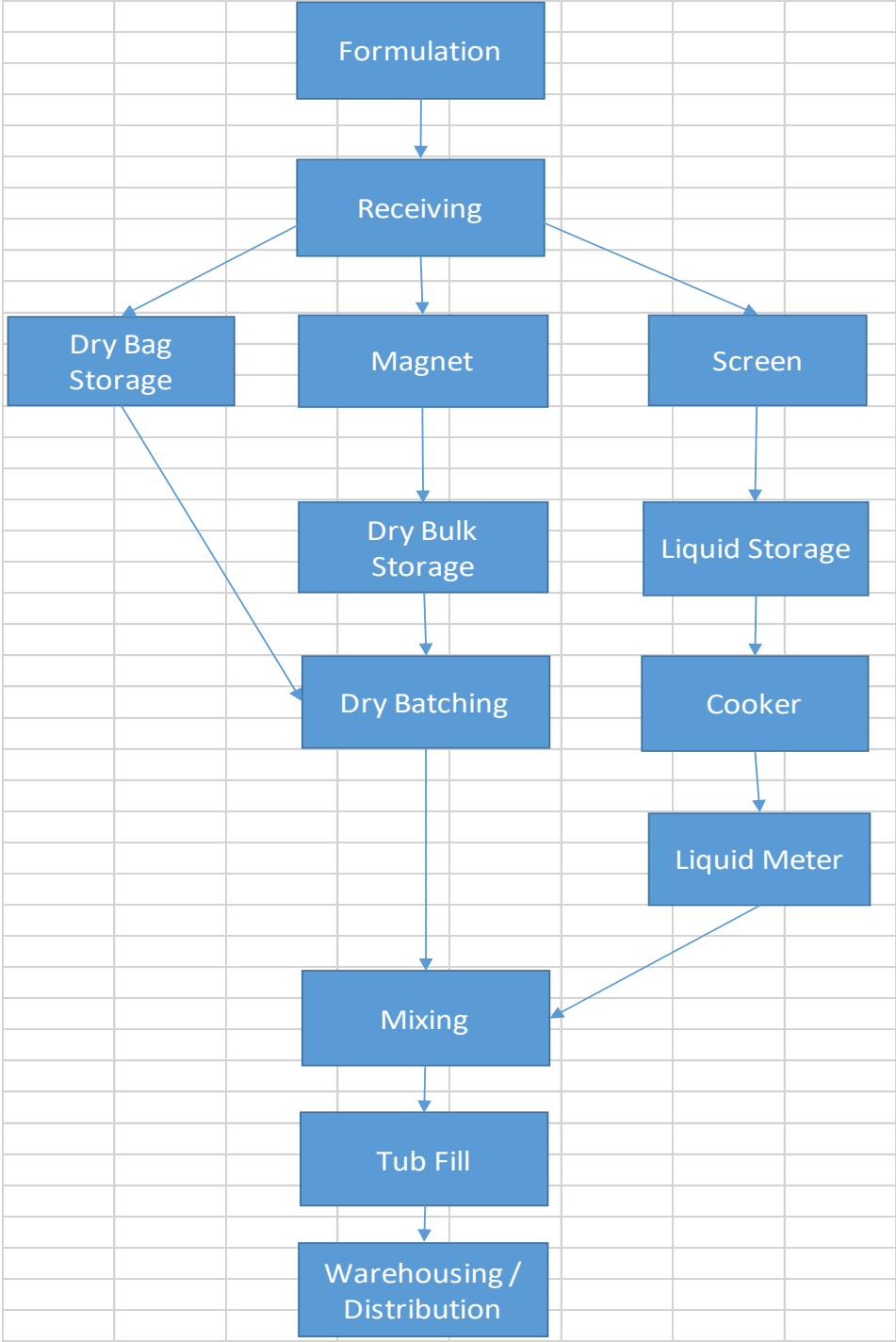
## Product Description Form (2)

Product Category: Manufacturing of Animal Supplements Livestock

<b>1. Product name(s)</b>	Beef Cattle Feeds
<b>2. Product safety properties (Moisture, Temperature, NPN, etc.)</b>	None
<b>3. Intended use and customer</b>	End User
<b>4. Type of packaging</b>	Tubes
<b>5. Shelf life</b>	90 days
<b>6. Where will the product be sold?</b>	Wholesale and retail
<b>7. Labeling instructions</b>	Free Choice on pasture
<b>8. Special distribution control</b>	None

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Date: \_\_\_\_\_



**Hazard Analysis Form (4)**

<b>Ingredient or Process Step</b>	<b>Known or reasonably foreseeable hazards introduced, increased or controlled at this step</b>	<b>Do known or reasonably foreseeable hazards require a preventive control based on Severity and Probability "Yes" or "No"</b>	<b>Explanation/Justification</b>	<b>Preventive Control Measures Applied</b>	<b>Is the Preventive Control Applied at this Step? "Yes" or "No"</b>
1. Formulations	Biological None identified at this time				
	Chemical Aflatoxin Fumonisin Copper Sulfur	Yes	Possible Aflatoxin and fumonisin if corn is included in ration.  In correct formulation or sequencing error could result in copper toxicity in sheep, sulfur in cattle and high non-protein nitrogen can result in immediate health effects or death, wrong pre-mix or processing error.	Randomly test for aflatoxin & fumonisin. Reject over 20 ppb aflatoxin. Inventory control, check off list.	No
	Physical None identified at this time				

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Ingredient or Process Step	Known or reasonably foreseeable hazards introduced, increased or controlled at this step	Do known or reasonably foreseeable hazards require a preventive control based on Severity and Probability "Yes" or "No"	Explanation/Justification	Preventive Control Measures Applied	Is the Preventive Control Applied at this Step? "Yes" or "No"
2. Receiving dry bulk ingredients	Biological Salmonella Prohibited mammalian protein	No	Low likelihood of occurrence for Salmonella and prohibited mammalian protein through prerequisite programs including approved supplier, carrier inspection, and cleanout certificates.		
	Chemical Aflatoxin Fumonisin Sulfur	Yes	Possible aflatoxin in cottonseed meal, Aflatoxin, fumonisin, sulfur in DDG.	Randomly testing for aflatoxin, fumonisin. Reject over 20 ppb aflatoxin.	Yes CCP1
	Physical	No	Physical hazards may cause lacerations to the mouth, present a choking hazard, or other internal blockage. Hazards controlled through, visual inspection, approved supplier, magnets and screens using prerequisite program		

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3. Magnet and screen	Biological  None identified at this time				
	Chemical  None identified at this time				
	Physical Metal Stone Wood Plastic	No	Physical hazards would be reduced by prerequisite programs		



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4. Receiving dry bags	Biological Prohibited mammalian protein				
	Chemical  NPN	No	approved supplier program		
	Physical None identified at this time				

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5. Batching And Mixing Dry.	Biological None identified at this time				
	Chemical Potential batching errors	Yes	Wrong pre-mix or a processing error at the manufacturing facility.	Batching control	Yes CCP2
	Physical None identified at this time				

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6. Receiving Bulk Liquid	Biological None identified at this time				
	Chemical None identified at this time				
	Physical Metal Glass Wood Plastic	No	Hazards are controlled using screens		

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7. Cooking Liquid	Biological None identified at this time				
	Chemical None identified at this time				
	Physical None identified at this time				

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8. Mixing of Dry and Liquid feed components for finished product.	Biological Salmonella	NoNo	Low likelihood, 175 degree temperature to adequately control salmonella		
	Chemical NPN Copper S	No	Nutrient toxicities, wrong pre-mix, or processing error at the manufacturing facility are handled with CCP at batching step. Monitored each batch of the amount of liquid and dry. Computer control.		CCP2
	Physical	No			

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9. Filling Tubs	Biological None identified at this time				
	Chemical None identified at this time				
	Physical None identified at this time				

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10. Warehouse Distribution	Biological None identified at this time				
	Chemical None identified at this time				
	Physical None identified at this time				

Date: \_\_\_\_\_

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### Identifying Critical Limits, Monitoring and Corrective Actions Form (5)

Process Step/CCP	Critical Limit	Monitoring Procedures	Corrective Action
<p><b>2.</b> <b>Receiving Dry Bulk Ingredients</b></p>	<p>1) Aflatoxin Less than 20 ppb. 2) Fumonisin Less than 5 PPM.</p>	<p><b>What will be measured?</b> Aflatoxin, Fumonisin. Verify approved suppliers, In house testing</p> <p><b>Where will the CL be measured?</b> Bulk Receiving Lab/office</p> <p><b>How will the CL be measured?</b> GIPSA approved equipment in lab.</p> <p><b>Who will monitor the CL?</b> Bulk Receiving Manager/ Analyst</p> <p><b>How often will the CL be measured?</b> Every truck load</p>	<p><b>Cause of the deviation?</b> Improper handling of grain.</p> <p><b>How will the process be corrected?</b> Reject load, notify supplier</p> <p><b>Product disposition?</b> Reject violative loads</p> <p><b>Measure to prevent recurrence?</b> Remove supplier from approved list.</p> <p><b>Who is responsible for implementing the CA?</b> Bulk Receiving Manager</p>

Approved: \_\_\_\_\_

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Process Step/CCP	Critical Limit	Monitoring Procedures	Corrective Action
<p><b>5. Batching and Mixing Dry/ CCP #2.</b></p>	<p>Plus or Minus NPN.....3%</p>	<p><b>What will be measured?</b> NPN</p> <p><b>Where will the CL be measured?</b> Hand Add Storage room.</p> <p><b>How will the CL be measured?</b> Compare theoretical inventory to actual inventory.</p> <p><b>Who will monitor the CL?</b> Mixer Operator.</p> <p><b>How often will the CL be measured?</b> Daily.</p>	<p><b>Cause of the deviation?</b> Improper amounts added to batches or incorrect ingredient added.</p> <p><b>How will the process be corrected?</b> Place product on hold and assay products in question.</p> <p><b>Product disposition?</b> Place product on hold or disposal.</p> <p><b>Measure to prevent recurrence?</b> Training employees on mixing procedures.</p> <p><b>Who is responsible for implementing the CA?</b> Mill Supervisor.</p>

Approved: \_\_\_\_\_

Date: \_\_\_\_\_

Record Keeping and Verification Form (6)

Process step/CCP	Hazard	Records	Responsibility	CCP Verification
<b>Receiving Dry Bulk Ingredients/ CCP#1</b>	Products received over the legal limit.	<b>1.</b> In House testing.	Bulk Receiving Manager	<p><b>Short term</b> Daily Verification by QA Manager.</p> <p><b>Long term</b> Training employees on sampling and testing techniques.</p>

Process step/CCP	Hazard	Records	Responsibility	CCP Verification
<b>5. Batching and Mixing Dry / CCP#2</b>	Over or under formulations of NPN.	<b>Daily inventories of NPN.</b>	Mixer Operator	<p><b>Short term</b> Daily Verification by QA Manager</p> <p><b>Long term</b> Training employees on mixing and recordkeeping.</p>

Approved: \_\_\_\_\_

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### Animal Food Safety Plan Summary Form (8)

Process step and CCP	Hazard	Critical Limits for each CCP	Monitoring				Corrective Action	Verification Activities	Record-keeping Procedure
			What	How	Frequency	Who			
2. Receiving CCP#1	Aflatoxin and fumonisin	Aflatoxin 20ppb. Fumonisin 5 PPM.	1.Aflatoxin, Fumonisin,  2. Approved Supplier list	1.Lab Test Verify 2.Approved suppliers	Daily Every truck load	Bulk Receiving Manager	Reject load. Notify Supplier, Remove supplier from approved list	Daily review of logs	1. In house testing results 2. Approved supplier list
5. Batching and Mixing/ CCP#2	Over or under formulation NPN.	NPN >3%	Inventories of: NPN	Calculate theoretical inventory to actual inventory	Daily	Mixer Operator	Hold and Assay products in question	Daily verification these products are within the CL	Daily inventories of NPN.

Approved \_\_\_\_\_

Date: \_\_\_\_\_