

Fostering Core Stewardship Principles and VFD Animal Feed

Outline



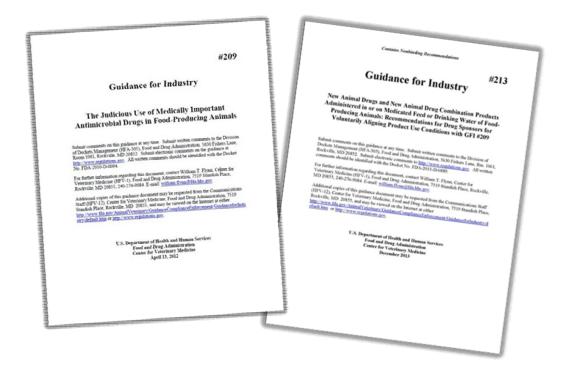
What changes were made?

- Changes to Affected Applications
- Veterinary Feed Directive
- Major and Minor Species

Core stewardship principles and VFD Animal feed.



What changes were made and why?





Guidance #209: Outlined AMR Policy

Described overall policy direction

#209

Guidance for Industry

The Judicious Use of Medically Important Antimicrobial Drugs in Food-Producing Animals

Submit comments on this guidance at any time. Submit written comments to the Division of Docketh Management (ER A. 105). Food and Drug Administration, 5019 Finiters Lane, Room 1061, Rockettl, RD 201825. Submit electronic comments on the guidance at https://docketh.org/lines.gov/All written comments should be identified with the Docket No. FDA. 2010-0.0094.

For further information segarding this document, contact William T. Flynn, Celter for Veterinary Medicine (HPV-1), Food and Drug Administration, 7519 Standish Place, Rockville, MD 20855, 240-276-9084. E-mail: wslinam.flynn/fl/da.hhs.gov.

Additional copies of this guidance document may be requested from the Communications Staff (GPV-12). Center for Veterinary Medicine, Food and Drug Administration, 7519 Standah Flate, Rockella, MD 2053, and may be versed on the Internet at other http://www.fds.gov/Annai/Veterinary/Confunes/Compliance/Enforcement/Ondone/Confunes/Enforcement/Ondone/Confunes/Enforcement/Ondone/Confunes/Enforcement/Ondone/Confunes/Conf

U.S. Department of Health and Human Services Food and Drug Administration Center for Veterinary Medicine April 13, 2012

FDA's Judicious Use Strategy



Two key principles outlined in Guidance #209 Limit use of medically important antimicrobial drugs in food-producing animals to those uses that:

- 1. are considered necessary for assuring animal health and,
- 2. that include veterinary oversight or consultation

Guidance #213: Implementation



Finalized December 2013

More detailed guidance on implementing key

principles in Guidance #209

- Timeline = December 2016
- Defined medically important
- In or on feed or
- in drinking water

#213

Guidance for Industry

New Animal Drugs and New Animal Drug Combination Products Administered in or on Medicated Feed or Drinking Water of Food-Producing Animals: Recommendations for Drug Sponsors for Voluntarily Aligning Product Use Conditions with GFI #209

Sabanit comments on this guidance at any time. Sabanit written comments to the Division of Dockets Management (IFA-305). Food and Drug Administration, 550s Pubers Lanc, Rm. 1061, Rockvilk, MD 20025. Submit electronic comments to https://www.reamlitions.may. All written comments belief (IFA-105). Food and Drug Administration, 550s Pubers Lanc, Rm. 1061, Rockvilk, MD 2005. Submit electronic comments to https://www.reamlitions.may. All written comments belief (IFV-1). Food and Drug Administration, 7519 Standisch Place, Rockville, MD 2005. 200-276-908. Lomain william Drum (Ifa Jahn 2005.

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"Medically Important" antimicrobials

In reporting year 2016 -

- For the distribution of all medically important antimicrobials:
 - approximately 72 % were animal feed uses.
 - approximately 23 % were drinking water uses.

https://www.fda.gov/downloads/ForIndustry/UserFees/AnimalDrugUserFeeActADUFA/UCM588085.pdf

Changes to Affected Products



Of the **292** new animal drug applications initially affected by **Guidance for Industry #213**:

- 84 were completely withdrawn
 - Of the remaining 208 applications,
 - 93 applications oral dosage form converted from OTC to Rx
 - 115 applications animal feed converted from OTC to VFD
- —Production (e.g., growth promotion) indications associated with the medically important antimicrobial were withdrawn from all applications that included such indications



Changes to Animal Feed Products

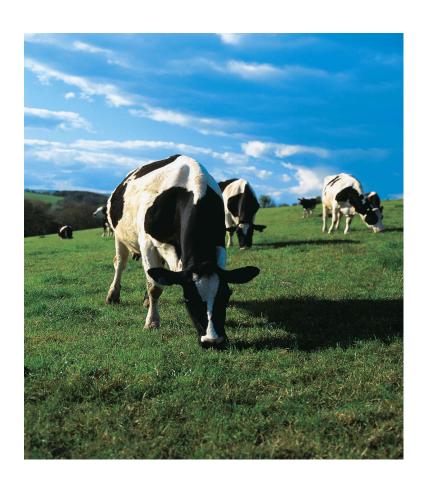
VFD Animal Feed

• (21 CFR Part 558)

Federal Law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.



Major and Minor Species Impacts





Major vs Minor Species



The term 'major species' means cattle, horses, swine, chickens, turkeys, dogs, and cats, ... 21 U.S.C. 321 (nn)

The term 'minor species' means animals other than humans that are not major species. 21 U.S.C. 321 (00)

Extralabel Use (ELU)



Major Species

The Animal Medicinal Drug Use Clarification Act (AMDUCA) of 1994 and the regulations published at 21 CFR part 530 describe the requirements for, and restrictions on, extralabel drug use.

AMDUCA amended section 512 of the FD&C Act to permit extralabel uses of drugs under certain conditions **except in animal feed**. (21 U.S.C. 360b(a)(4)(A)).

Extralabel Use Minor Species CPG 615.115



Extralabel Use of Medicated Feeds for Minor Species

Therefore, when

- there are no approved treatment options available and
- 2. the health of animals is threatened, and
- 3. suffering or death would result from failure to treat the affected animals,

extralabel use of medicated feed may be **considered** for **minor species**.

Extralabel Use



Minor Species

CPG 615.115 –

Extralabel Use of Medicated Feeds for Minor Species

In general, the Agency will not recommend or initiate enforcement action against

- -the veterinarian,
- -animal producer,
- feed mill, or other distributor

when extralabel use is **consistent with this document.** (CPG 615.115)

Outline



- What changes were made?
 - Changes to Affected Applications
 - Veterinary Feed Directive
 - Major and Minor Species
- Core stewardship principles and VFD Animal feed.









American Veterinary Medical Association (AVMA)

Antimicrobial Stewardship Definition and Core Principles

January 2018

https://www.avma.org/KB/Policies/Pages/Antimicrobial-Stewardship-Definition-and-Core-Principles.aspx

Antimicrobial Stewardship Core Principles

- 1. Commit to stewardship
- 2. Advocate for a system of care to prevent common diseases
- 3. Select and use antimicrobial drugs judiciously
- 4. Evaluate antimicrobial drug use practices
- 5. Educate and build expertise

1. Commit to stewardship

Relevant stakeholders have played, and will continue to play, important roles

Veterinary associations Federal agencies

Animal producer organizations State agencies

Feed manufacturers & distributors

- 1. Commit to stewardship
- 2. Advocate for a system of care to prevent common diseases
- 3. Select and use antimicrobial drugs judiciously
- 4. Evaluate antimicrobial drug use practices
- 5. Educate and build expertise



- 2. Advocate for a system of care to prevent common diseases
 - animal husbandry and hygiene,
 - biosecurity and infection control,
 - nutrition, and
 - vaccination programs. (9 CFR 101.2 Animal Biologic)

FDA

Antimicrobial Stewardship Definition and Core Principles

2. Advocate for a system of care to prevent common diseases

Producer "quality assurance programs"



- 1. Commit to stewardship
- 2. Advocate for a system of care to prevent common diseases
- 3. Select and use antimicrobial drugs judiciously
- 4. Evaluate antimicrobial drug use practices
- 5. Educate and build expertise

- 3. Select and use antimicrobial drugs judiciously
 - Use an evidence-based approach
 - NARMS retail meat
 - Pathogens: Salmonella, Campylobacter,
 - Markers: E.coli, Enterococcus

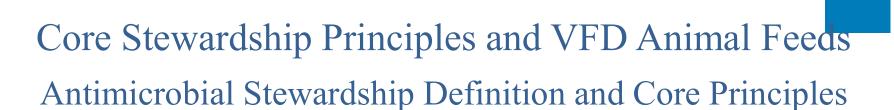
https://www.fda.gov/animalveterinary/safetyhealth/antimicrobialresistance/nationalantimicrobialResistanceMonitoringSystem/default.htm



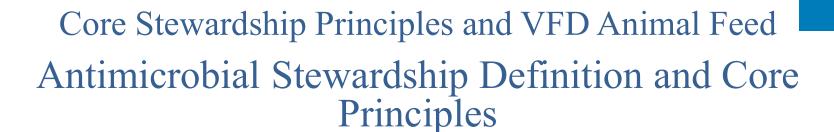
- 3. Select and use antimicrobial drugs judiciously
 - Use an evidence-based approach
 - review relevant publications



- 1. Commit to stewardship
- 2. Advocate for a system of care to prevent common diseases
- 3. Select and use antimicrobial drugs judiciously
- 4. Evaluate antimicrobial drug use practices
- 5. Educate and build expertise



- 4. Evaluate antimicrobial drug use practices
 - Ensure that feedback is provided to veterinarians.
 - Resistance patterns in isolates seen in veterinary diagnostic laboratories CVM OR



- 1. Commit to stewardship
- 2. Advocate for a system of care to prevent common diseases
- 3. Select and use antimicrobial drugs judiciously
- 4. Evaluate antimicrobial drug use practices
- 5. Educate and build expertise



- 5. Educate and build expertise
 - Make resources available and encourage the development of expertise in antimicrobial stewardship.

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Federal

State

Veterinary Associations

Producer Associations



5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

CVM FDA

	Since	"Hits" -	14 August 2018
VFD Main Website	1 September 2	2015 =	182, 342
Retail Establishments Letter	13 November	2015 =	10,788
State/Federal VCPR	13 November	2015 =	7,616
GFI # 233 – Common Format	30 November	2015 =	4,505
GFI # 120	January 2	2016 =	10,710



5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

CVM FDA

	Since "Hi	ts" as of 1	4 August 2018
Videos			
Overview	18 November 2016	=	8,239
Veterinarian	18 November 2016	=	3,661
Distributors	19 November 2016	=	2,100
Producers	20 November 2016	=	2,079





5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

CVM FDA

Brochures	"Hits" from July 2015		
	as of 14 August 2018		
Producers	17,035		
Distributors			
Who manufacture	10,439		
Who don't	8,114		
Veterinarians	15,045		
Students	4,897		

Since October 2016 – also in Spanish



5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

CVM FDA

"Hits" as of 14 August 2018

Presentations:

Fostering Stewardship	1 April 2017	713
Honey Bees	7 August 2017	1,571

5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

CVM FDA

Outreach:	Since ~ June 2015
In-person or Webinar Presentations	179
Responsive Questions (21 CFR 10.85(k))	360

CVM Updates:

_	Anaplasmosis	20 December 2017	1,548
_	Beekeepers	18 December 2017	2,124

www.AskCVM@fda.hhs.gov



5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

USDA APHIS NVAP

Veterinary Accreditation

Module # 23 – Use of Antibiotics in Animals

Module # 29 – Veterinary Feed Directive Rule

Module #30 - The Role of Veterinarians in Honey Bee Health

https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/nvap/ct_aast



Core Stewardship Principles and VFD Animal Feed

5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Federal Agencies

USDA APHIS NVAP

<u>Veterinary Accreditation</u> <u>Times Completed by Accredited Veterinarians</u>

Module # 23 –	Since 2012	= 27,695	CY 2018 =	3,761
Module # 29 –	Since 2016	= 8,322	=	2,920
Module # 30 -	Since 2018	<u>= 819</u>	<u>=</u>	819
Totals		= 36,836	=	7,500

https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/nvap/ct_aast



Core Stewardship Principles and VFD Animal Feeds

5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

State Agencies

State or Federal VCPR

https://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/ucm460406.htm

American Association of Veterinary State Boards (AAVSB)

Memorandum of Understanding

https://www.fda.gov/aboutfda/partnershipscollaborations/memorandaofunderstandingmous/othermous/ucm584198.htm



5. Educate and build expertise

Professional Associations

AVMA Websites:

Since As of 31 July 2018

VFD Webpage 1 July 2017 = 8,086



5. Educate and build expertise

Professional Associations

AVMA Definition and Core Principles:

Since As of 31 July 2018

January 2018 = 2,187



5. Educate and build expertise

Professional Associations

Since

As of 31 July 2018

Honey Bee

Website

1 July 2017

=

3,921

Webinar

1 July 2017

872



5. Educate and build expertise

Professional Associations – AVMA

Since

As of 31 July 2018

Aquaculture

Webinar 1 July 2017

207



Core Stewardship Principles and VFD Animal Feed

5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Veterinary Associations

Associations representing veterinarians who practice cattle, swine, chicken, and turkey medicine have <u>also</u> published antimicrobial stewardship guidelines

Core Stewardship Principles and VFD Animal Feeds



5. Education - Make resources available and encourage the development of expertise in antimicrobial stewardship.

Producer - "quality assurance programs"



5. Educate and build expertise

- use of antimicrobial alternatives
 - Drugs, enzymes
 - Phytochemicals
 - Microbial derived products



FDA Drug vs. Food

- ➤ Intended use of a substance determines if it is regulated as a food or a drug
- > CVM Program Policy And Procedures Manual Guide 1240.3605, Regulating Animal Foods With Drug Claims at
 - http://www.fda.gov/downloads/animalveterinary/guidancecompliance enforcement/policiesproceduresmanual/ucm046883.pdf
 - Matrix listing to delineate drug vs. food



- 5. Educate and build expertise
 - Support research on antimicrobial drug use and resistance.

FDA

In Summary

Significant progress has been made.

All drug sponsors voluntarily met the January 2017 milestone.

Primary stakeholders for the VFD Rule are the veterinary community, animal producers, & feed manufacturers/distributors.

Substantial outreach fostering stewardship to, and by, these stakeholders has occurred. Continued engagement of VFD Rule stakeholders is critical to continued success.

www.fda.gov 48



In Summary

Core Principles of Antimicrobial Stewardship have been published by AVMA.

Producer Quality Assurance programs continue to support stewardship.

An education and research institute has been announced.

Sponsors are invited to consult with FDA, and our colleagues at USDA, as alternative products are developed.

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