



Encouraging improved animal health and responsible medicines use through data collection and benchmarking within the UK beef industry

Jon Massey MSc CITP MCITP

Kristen Reyher BSc(Hons) DVM PhD FHEA MRCVS

David Barrett BSc(Hons) BVSc(Hons) DBR DCHP Dip. ECBHM FHEA FRCVS

Rachel Adams BVSc(Hons) MRCVS

Bristol Veterinary School, University of Bristol
Jude Capper BSc(Hons) PhD
Livestock Sustainability Consultancy





Project aims

 Better understand medicines use on UK beef farms

Propose benchmarking strategy

Why measure medicines use

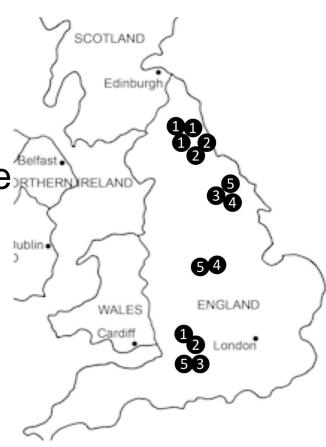
- Key concern for stakeholders
 - Food Safety & Security
 - Antimicrobial resistance
- Stimulates farmer-vet conversations
 - Responsible medicines use
 - Maintaining/improving health & productivity KPIs¹

Methodology

Convenience sample

On farm interviews, questionnaire

Medicines usage





Results

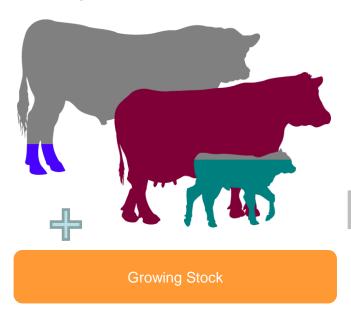


Medicine Book www.farmmatters.co.uk m												
Date							Record Count					
31/05/2017 - 01/06/2018								5294				
Date of	Date treatment finished¹	#	Identity of Animal/Group Treated	Medicine	Dose	Batch I	Number	Wit	thdrawal	Name of person who adminstered the treatment	Reason for treatment	
treatment								Meat	Milk			
31/05/2017		1	UK341199701696	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	0ml j21024E22		15/06/2017			PNEUMONIA	
31/05/2017		1	UK341199701696	Zactran 150 mg/ml Solution for Injection for Cattle and Pigs	2.00ml	EY204	7CE	03/08/2017			PNEUMONIA	
31/05/2017		1	UK324214502892	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	.50ml j21024E		15/06/2017			PNEUMONIA	
31/05/2017		1	UK363395305834	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	j21024	E22	15/06/2017			PNEUMONIA	
31/05/2017		1	UK345244501342	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	j21024	E22	15/06/2017			PNEUMONIA	
31/05/2017		1	UK344089702583	Draxxin 100 mg/ml Solution for Injection for Cattle and Pigs	2.00ml	B10320	08	22/06/2017			PNEUMONIA	
31/05/2017		1	UK344089702583	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	j21024	E22	15/06/2017			PNEUMONIA	
31/05/2017		1	UK322009401575	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	j21024	E22	15/06/2017			PNEUMONIA	
31/05/2017		1	UK322009101572	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	1.50ml	j21024	E22	15/06/2017			PNEUMONIA	
31/05/2017		1	UK322009401575	Zactran 150 mg/ml Solution for Injection for Cattle and Pigs	3.00ml	EY204	7CE	03/08/2017			PNEUMONIA	
31/05/2017		1	UK322009101572	Zactran 150 mg/ml Solution for Injection for Cattle and Pigs	3.00ml	EY204	7CE	03/08/2017			PNEUMONIA	
31/05/2017		1	UK344231702398	Metacam 20 mg/ml Solution for Injection for Cattle, Pigs and Horses	2.00ml	j21024	E22	15/06/2017			PNEUMONIA	
31/05/2017		1	UK351406101636	Metacam 20 mg/ml Solution for Injection for	2.00ml	j21024	E22	15/06/2017			PNEUMONIA	



Metrics under consultation

- % Animals treated
- mg/SBCU



Annual medicines use (mg)

ro-rata time on farm

Standard Beef Cattle Unit (kg)





Responsible medicines use

- Responsible farmers
- Responsible practices

- Responsible vets

AMR Force

Medicines auditing **Integrated HHM** Reduced CIAs

VetIMPRESS



Assessing impact

- Clinical governance
- Disease incidence
- Treatment outcomes
- Medicine auditing **AMR** testing



Council





Understanding microbiology

- **Biobanking**
- AMR testing
- Environmental cycling





Improving animal health

- Improved husbandry
- Reduced disease
- Appropriate therapy



Langford

TRUST



Motivating change

- On farm
- Participatory and collaborative
- Practice policy
- Education



A DIVISION OF DAWN MEATS



Langford Vets









AHDB





Veterinary Medicines Directorate

