

# DAIRY ANTIMICROBIAL REPORT



Name: Joe Brown

Vet: Tom Smith

This report is based on antimicrobial products purchased in the year ending July 2018

## Your Report

This report analyses your annual antimicrobial purchases to identify the types of products used and inform future decisions on responsible medicine usage. Please discuss this analysis with your vet.

Within the report, '**Critically Important Antimicrobials**' are highlighted in red. **Macrolides are highlighted brown** as these are also restricted within some milk contracts.

Please note: This report is based on Medicine purchases NOT on farm usage.

## Definitions of measurements used in the report

**Critically Important Antimicrobials** - identified by RUMA (Responsible Use of Medicines in Agriculture Alliance) as being most important in human medicine.

\* **PCUs** (Population Corrected Unit) - Uses average weight at time of treatment (calculated as average weight over whole lifetime). Calculation assumes all beef animals are for slaughter.

\*\* **DDDvet** (Defined Daily Dose) - Average number of standard courses per cow per year, taking into account dose rate and treatment duration.

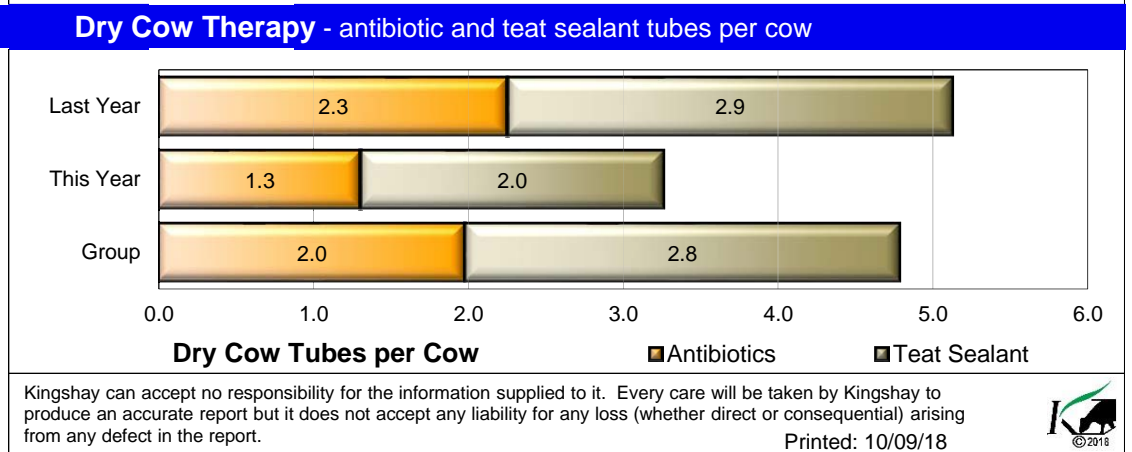
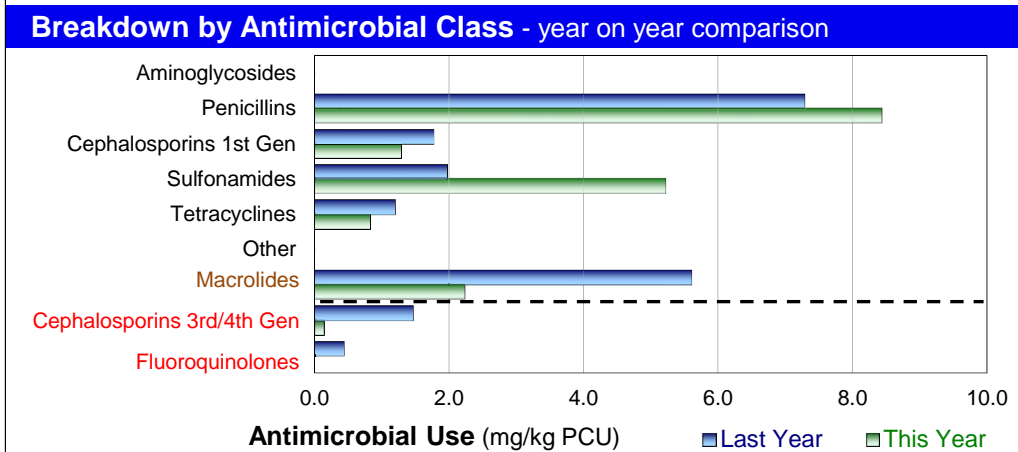
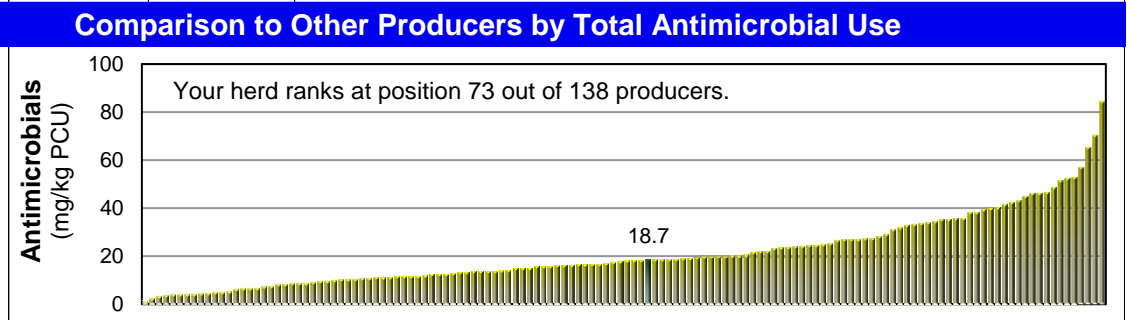
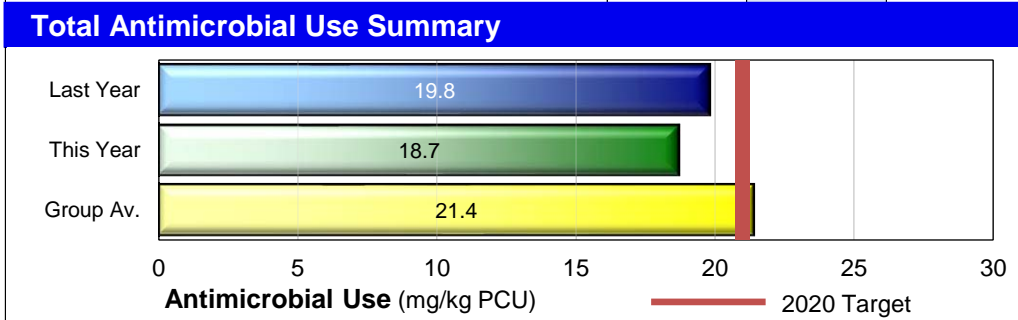
\*\*\* **DCDVet** (Defined Course Dose) - Average dose per treatment course, taking into account daily dose rate & course length.

Name: Joe Brown

Vet: Tom Smith

Herd Performance		Last Year	This Year	Group	A year on year summary of your antimicrobial use is shown compared to the group average, the 'Top 25%' of each result and the 6 RUMA Dairy Sector 2020 Targets. Please discuss this analysis with your vet.
Herd Size		142	184	245	
Yield per Cow	litres	10,377	10,867	7,980	
Cell Count	'000	147	147	167	

Antimicrobial Use & RUMA Targets	Last Year	This Year	Group Av.	Top 25%	2020 Target	Antibiotic Use - the form in which antibiotics are administered
1) Critically important injectables (mg/kg PCU)	1.259	0.128	0.560	0.000	0.538	
2) Critically important intra-mammary - DCDVet**	1.197	0.000	0.172	0.000	0.166	
3) Dry cow tubes - DCDVet**	0.563	0.326	0.479	0.106	0.674	
4) Lactating cow tubes - DCDVet**	1.357	0.486	0.813	0.198	0.727	
5) Sealant tube usage (courses/cow)	0.72	0.49	0.61	1.03	0.70	
<b>6) Total antimicrobial usage (mg/kg PCU*)</b>	<b>19.8</b>	<b>18.7</b>	<b>21.4</b>	<b>6.9</b>	<b>21.0</b>	
DDDVet **	6.54	3.22	4.87	1.64		
DCDVet ***	2.60	1.35	1.94	0.86		



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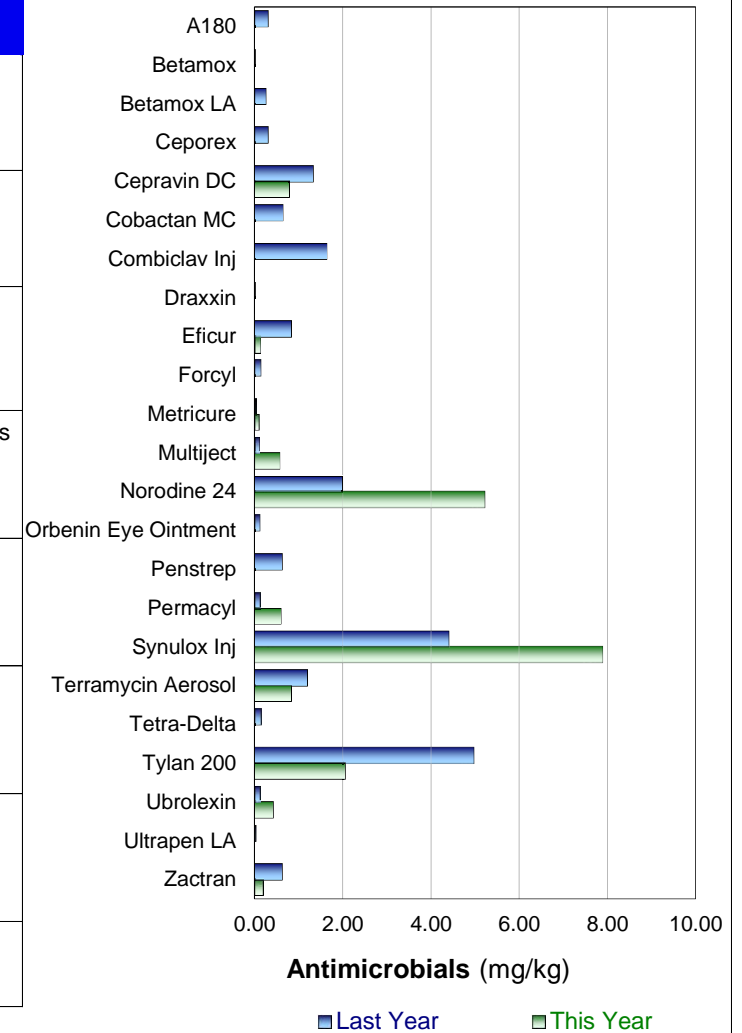
Vet: Tom Smith

Antimicrobial Products Purchased in Year Ending July 2018

Products Purchased (A to Z Order)	Total Purchased	Total Usage (mg/kg)	DDDVet **	DCDVet ***	Typical courses per 100 cows *	Classes of Antimicrobial within Product
Cepravin DC	240 tubes	0.77		0.326		Cephalosporins 1st Gen
<b>Eficur</b>	<b>200 ml</b>	<b>0.13</b>	<b>0.128</b>	<b>0.032</b>	<b>3</b>	<b>Cephalosporins 3rd/4th Gen</b>
Metricure	15 tubes	0.10	0.082	0.041	4	Cephalosporins 1st Gen
Multiject	168 tubes	0.56	0.913	0.304	30	Penicillins, Aminoglycosides
Norodine 24	1,700 ml	5.22	0.401	0.145	14	Sulfonamides
Permacyl	252 ml	0.59	0.049	0.015	2	Penicillins
Synulox Inj	4,400 ml	7.88	0.949	0.272	27	Penicillins
Terramycin Aerosol	16 cans	0.82				Tetracyclines
<b>Tylan 200</b>	<b>800 ml</b>	<b>2.05</b>	<b>0.157</b>	<b>0.035</b>	<b>3</b>	<b>Macrolides</b>
Ubrolexin	100 tubes	0.42	0.543	0.181	18	Cephalosporins 1st Gen, Aminoglycosides
<b>Zactran</b>	<b>100 ml</b>	<b>0.19</b>				<b>Macrolides</b>
<b>Total</b>	<b>523 Tubes 7,452 ml</b>	<b>18.71</b>	<b>3.223</b>	<b>1.351</b>	<b>102</b>	

Antimicrobial Products Purchased

Year on year comparison of amounts of antimicrobials used



Products which include critically important antimicrobials are highlighted in red. Macrolides are also restricted within some milk contracts.

\* Based on product datasheet usage

Please note: This report is based on Medicine purchases NOT on farm usage.

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