



Summary of antimicrobial use in animals in New Zealand.

Please note:

The following figures are based on a recent survey completed by the ACVM Group.

There have been a considerable number of mergers and takeovers in the veterinary pharmaceutical industry, and consequently various product lines have been discontinued or re-marketed. As a result, any survey of a dynamic industry is likely to produce variable results over time.

Respondents reply on a voluntary basis.

Since the survey period the following four antimicrobials have been reviewed according to operational policy agreed upon by the Ministry of Health, namely:
virginiamycin, flouroquinolones, avoparcin, and avilamycin.

The review of Zn Bacitracin, and the Macrolides is well underway.

Table 1: 2000 sales of antibiotics for cattle (age unspecified)

In-feed antibiotics sold (kg of active ingredient)	Other therapeutic antibiotics sold (kg of active ingredient)	TOTAL
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Antibiotic Group	Prophylactic use	Therapeutic use	For growth / feed conversion		
Penicillins:		35.00		5123.28	5158.28
Cephalosporins:				674.50	674.50
Aminoglycosides:				636.04	636.04
Macrolides/ Lincosamides: including Lincomycin, Tilmicosin Tylosin,	183.00			120.10	303.10
Tetracyclines:		5.00		787.60	792.60
Sulphonamides:				189.00	189.00
Ionophores: including Lasalocid, Monensin,	20707				20707
Others: including Baquiloprim, Enrofloxacin, Nitrofurazone, Novobiocin, Oleandomycin				67.31	67.31

TABLE 2: 2000 sales of antibiotics for calves

In-feed antibiotics sold (kg of active ingredient)	Other therapeutic antibiotics sold (kg of active ingredient)	TOTAL
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Antibiotic Group	Prophylactic use	Therapeutic use	For growth / feed conversion		
Penicillins:				1.00	1.00
Aminoglycosides:				8.50	8.50
Sulphonamides:				129.00	129.00
Ionophores: including Lasalocid, Monensin, Salinomycin,	1875.00	255.00			2130.00
Others: including Zinc bacitracin	337.00				337.00

TABLE 3: 2000 sales of antibiotics for pigs

In-feed antibiotics sold (kg of active ingredient)	Other therapeutic antibiotics sold (kg of active ingredient)	TOTAL
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Antibiotic Group	Prophylactic use	Therapeutic use	For growth / feed conversion		
Aminoglycosides:		16.30			16.30
Tetracyclines:	1375.00				1375.00
Macrolides/ Lincosamides: including Lincomycin, Tilmicosin, Tylosin, Tiamulin hydrogen fumarate	930.00	1533.05			2463.05
Sulphonamides:		412.90			412.90
Ionophores: including Lasalocid, Monensin, Salinomycin,	5.00				5.00
Others: including Zinc bacitracin	430.00				430.00

TABLE 4: 2000 sales of antibiotics for poultry

In-feed antibiotics sold (kg of active ingredient)	Other therapeutic antibiotics sold (kg of active ingredient)	TOTAL
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Antibiotic Group	Prophylactic use	Therapeutic use	For growth / feed conversion		
Penicillins:		1.60			1.60
Aminoglycosides:		30.00			30.00
Macrolides/ Lincosamides: including Tiamulin hydrogen fumarate, Tylosin.	2168.36	1424.00			3592.36
Ionophores: including Narasin, Salinomycin.	13373.00				13373.00
Others: including Avilamycin, Zinc bacitracin, Bambermycins/flavophos pholipol.	14342.00				14342.00

TABLE 5: 2000 sales of antibiotics for animals other than poultry, pigs, calves & cattle

In-feed antibiotics sold (kg of active ingredient)	Other therapeutic antibiotics sold (kg of active ingredient)	TOTAL
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Antibiotic Group	Prophylactic use	Therapeutic use	For growth / feed conversion		
Penicillins:		10.00		254.79	264.79
Cephalosporins:				14.60	14.60
Aminoglycosides:		10.45		66.29	76.74
Tetracyclines:		42.40			42.40
Sulphonamides:		77.90		1301.77	1379.67
Others: including Zinc bacitracin, Clindamycin, Enrofloxacin, Furazolidone, Metronidazole, Nitrofurazone, Orbifloxacin	4.00			41.54	45.54

TABLE 6: 2000 sales of antibiotics for animals where species is unknown

In-feed antibiotics sold (kg of active ingredient)	Other therapeutic antibiotics sold (kg of active ingredient)	TOTAL
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Antibiotic Group	Prophylactic use	Therapeutic use	For growth / feed conversion		
Penicillins:				4997.17	4997.17
Cephalosporins:				149.60	149.60
Tetracyclines:		309.20		647.92	957.12
Aminoglycosides:		138.00		1216.68	1354.68
Macrolides: including Erythromycin, Lincomycin, Tiamulin hydrogen fumarate, Tylosin		164.00	1.70	77.28	242.98
Sulphonamides:				3460.18	3460.18
Others: including Florfenicol, Furazolidone, Nitrofurazone, Virginiamycin	20.20			219.03	239.23

TABLE 7: Total 2000 sales of antibiotics for agricultural industries

Antibiotic Group (kg)	Cattle – age unspecified	Calves	Pigs	Poultry	Other species	Species unknown	TOTAL 2000
Penicillins:	5158.28	1.00		1.60	264.79	4997.17	10422.84
Aminoglycosides:	636.04	8.50	16.30	30.00	76.74	1354.68	2122.26
Cephalosporins:	674.50				14.60	149.60	838.70
Tetracyclines:	792.60		1375.00		42.40	957.12	3167.12
Macrolides/Lincosamides Including Erythromycin, Lincomycin, Tiamulin hydrogen fumarate, Tilmicosin Tylosin	303.10		2463.05	3592.36		242.98	6601.49
Sulphonamides:	189.00	129.00	412.90		1379.67	3460.18	5570.75
Ionophores: e.g Lasalocid, Monensin, Salinomycin, Narasin.	20707.00	2130.00	5.00	13373.00			36215.00
Others: including Avilamycin, Zinc bacitracin, Bambermycins/ Flavophospholipol, Baqiloprim, Clindamycin, Enrofloxacin, Florfenicol, Furaltodone, Furazalidone, Metronidazole, Nitrofurazone, Novobiocin, Oleandomycin, Orbifloxacin, Virginiamycin.	67.31	337.00	430.00	14342.00	45.54	239.23	15461.08