

Northern Ireland 2015 Cows Milk Results

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A6	Chloramphenicol	Bovine	Milk	Not set	114	114	114	
A6	Dapsone	Bovine	Milk	Not set	20	20	20	
B1	Antibacterial substances	Bovine	Milk	Various	114	114	114	
B1	Sulphonamides	Bovine	Milk	100	20	20	20	
B2A	Anthelmintics	Bovine	Milk	Various	91	91	90	Ivermectin 4.1
B2E	NSAIDS	Bovine	Milk	Various	23	23	23	
B3A	OC/PCBs	Bovine	Milk	Not set	7	7	7	
B3B	OPs	Bovine	Milk	Not set	5	5	5	
B3C	Metals	Bovine	Milk	Not set	3	3	3	
B3D	Aflatoxin M1	Bovine	Milk	0.05	4	4	4	

Northern Ireland 2015 Sheep Milk Results

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A6	Chloramphenicol	Ovine	Milk	Not set	2	2	2	
A6	Dapsone	Ovine	Milk	Not set	1	1	1	
B1	Antibacterial substances	Ovine	Milk	Various	3	3	3	
B1	Sulphonamides	Ovine	Milk	100	1	1	1	
B2A	Anthelmintics	Ovine	Milk	Various	3	3	3	
B2E	NSAIDS	Ovine	Milk	Various	1	1	1	
B3A	OPs	Ovine	Milk	Not set	0	0	0	
B3A	OC/PCBs	Ovine	Milk	Not set	1	1	1	

Northern Ireland 2015 Egg Results

Group of substances	Compounds	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A6	Chloramphenicol	Eggs	Not set	38	38	38	
A6	Nitrofurans	Eggs	Not set	20	20	20	
A6	Nitroimidazoles	Eggs	Not set	20	20	20	
B1	Antibacterial substances	Eggs	Not set	58	58	58	
B1	Sulphonamides	Eggs	Not set	15	15	15	
B2B	Coccidiostats	Eggs	Various	71	71	71	
B3A	OC/PCBs	Eggs	Various	25	25	25	

Northern Ireland 2015 Fish Results

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
B3E	Dyes	Salmon	Muscle & Skin	Not set	2	2	2	
A6	Chloramphenicol	Trout	Muscle & Skin	Not set	3	3	3	
B3E	Dyes	Trout	Muscle & Skin	Not set	4	4	4	

Northern Ireland 2015 Poultry Results On Farm

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A5	Beta-agonists	Broilers	Feed	Not set	20	20	20	
A6	Nitrofurans	Broilers	Feed	Not set	29	29	29	
A6	Nitroimidazoles	Broilers	Feed	Not set	29	29	29	
A5	Beta-agonists	Turkeys	Feed	Not set	2	2	2	
A6	Nitrofurans	Turkeys	Feed	Not set	2	2	2	
A6	Nitroimidazoles	Turkeys	Feed	Not set	2	2	2	

Northern Ireland 2015 Poultry Results Slaughterhouse

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A3	Trenbolone	Broilers	Serum	Not set	61	61	61	
A5	Beta-agonists	Broilers	Liver	Not set	40	42	42	
A6	Chloramphenicol	Broilers	Muscle	Not set	110	114	114	
A6	Nitrofurans	Broilers	Muscle	Not set	55	55	55	
A6	Nitroimidazoles	Broilers	Serum	Not set	101	101	101	
B1	Antibacterial substances	Broilers	Muscle	Various	228	230	230	
B1	Amphenicols	Broilers	Muscle	Various	228	230	230	
B1	Sulphonamides	Broilers	Muscle	100	228	230	230	
B2A	Anthelmintics	Broilers	Liver	Various	38	39	39	
B2B	Coccidiostats	Broilers	Liver	Various	77	80	80	
B2C	Pyrethroids + Carbamates	Broilers	Fat	Not set	7	7	7	
B2C	Pyrethroids + Carbamates	Broilers	Liver	Not set	7	7	7	
B3A	OC/PCBs	Broilers	Fat	Various	30	30	30	
B3C	Metals	Broilers	Muscle	Various	8	8	8	
B3D	Mycotoxins	Broilers	Liver	Various	2	2	2	
A3	Trenbolone	Turkeys	Liver	Not set	5	5	5	
A5	Beta-agonists	Turkeys	Liver	Not set	5	5	5	
A6	Chloramphenicol	Turkeys	Muscle	Not set	8	8	8	
A6	Nitrofurans	Turkeys	Muscle	Not set	4	4	4	
A6	Nitroimidazoles	Turkeys	Serum	Not set	4	4	4	
B1	Antibacterial substances	Turkeys	Muscle	Various	24	24	24	
B1	Sulphonamides	Turkeys	Muscle	100	24	24	24	
B2A	Anthelmintics	Turkeys	Liver	Various	1	1	1	
B2B	Coccidiostats	Turkeys	Liver	Various	1	1	1	
B2C	Pyrethroids + Carbamates	Turkeys	Liver	Not set	1	2	2	
B3A	OC/PCBs	Turkeys	Fat	Not set	1	1	1	

Northern Ireland 2015 Cattle Results on Farm

Group of substances	Compounds	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A2	Thyrostats	Urine	Not set	38	38	38	
A3	Gestagens	Serum	Not set	46	46	46	
A3	Oestradiol	Serum	Not set	51	51	51	
A1 & A3	Steroids	Urine	Not set	191	191	182	NT 5,9,9,10,12; ADD 0.4, 0.5, 0.6; EST 78
A3	Testosterone	Serum	Not set	46	47	47	
A4	Zeranol	Urine	Not set	191	191	190	ZER/TAL 4, 7
A5	Beta-agonists	Feed	Not set	56	56	56	
A5	Beta-agonists	Urine	Not set	56	56	56	
A6	Chloramphenicol	Urine	Not set	51	52	52	
A6	Nitrofurans	Feed	Not set	31	31	31	

Key:

NT	α Nortestosterone
ADD	a metabolite of Boldenone
EST	α estradiol
Zer/Tal	Zeranol
Bold	Samples declared positive in excess of MRL or action level

Northern Ireland 2015 Cattle Results Slaughterhouse

Group of substances	Compounds	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A2	Thyrostats	Urine	Not set	25	25	23	Thiouracil 4, 5
A3	Gestagens	Kidney fat	Not set	46	46	46	
A3	Oestradiol	Serum	Not set	31	31	31	
A1&A3	Steroids	Urine	Not set	182	182	178	Testosterone 22,32,42,62
A3	Testosterone	Serum	Not set	47	47	47	
A4	Zeranol	Urine	Not set	182	182	182	
A5	Beta-agonists	Liver	Not set	85	85	84	Clenbuterol 0.13
A6	Chloramphenicol	Kidney	Not set	40	40	40	
A6	Nitrofurans	Kidney	Not set	25	25	25	
A6	Nitroimidazoles	Kidney	Not set	29	29	29	
B1	Antibacterial substances	Kidney	Various	247	247	246	Dihydrostreptomycin 4400
B1	Amphenicols	Kidney	Various	247	247	246	Florfenicol 750
B1	Sulphonamides	Kidney	100	20	20	20	
B2A	Anthelmintics	Liver	Various	122	123	123	
B2C	Pyrethroids + Carbamates	Kidney fat	Various	5	5	5	
B2C	Pyrethroids + Carbamates	Liver	Various		5	5	
B2D	Sedatives	Liver	Various	6	7	7	
B2E	NSAIDS	Kidney	Various	98	98	98	
B2F	Glucocorticoids	Liver	Various	53	53	53	
B3A	OC/PCBs	Kidney fat	Various	11	11	11	
B3B	OPs	Kidney fat	Various	35	35	35	
B3C	Metals	Kidney	Various	10	10	9	Cadmium 2260
B3C	Metals	Muscle	Various		10	10	
B3D	Mycotoxins	Liver	Not set	5	5	5	

Northern Ireland 2015 Pig Results On Farm

Group of substances	Compounds	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A3	Methyltestosterone	Feed	Not set	3	3	3	
A5	Beta-agonists	Feed	Not set	5	5	5	
A6	Nitrofurans	Feed	Not set	1	2	2	
A6	Nitroimidazoles	Feed	Not set	2	2	2	

Northern Ireland 2015 Pig Results Slaughterhouse

Group of substances	Compounds	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A2	Thyrostats	Urine	Not set	9	9	9	
A3	Gestagens	Kidney fat	Not set	10	10	10	
A1 & A3	Steroids	Urine	Not set	60	60	60	
A4	Zeranol	Urine	Not set	60	60	60	
A5	Beta-agonists	Liver	Not set	43	43	43	
A6	Chloramphenicol	Kidney	Not set	28	28	28	
A6	Nitrofurans	Kidney	Not set	36	36	36	
A6	Nitroimidazoles	Kidney	Not set	27	27	27	
B1	Antibacterial substances	Kidney	Various	110	110	110	
B1	Amphenicols	Kidney	Various	110	110	110	
B1	Sulphonamides	Kidney	100	92	92	92	
B2A	Anthelmintics	Liver	Various	47	47	47	
B2B	Coccidiostats	Liver	Various	9	10	10	
B2C	Pyrethroids + Carbamates	Kidney fat	Various	8	8	8	
B2C	Pyrethroids + Carbamates	Liver	Various		8	8	
B2D	Sedatives	Liver	Various	20	20	20	
B2E	NSAIDS	Kidney	Various	5	5	5	
B2F	Glucocorticoids	Liver	Various	5	5	5	
B2F	Carbadox	Liver	Various	10	10	10	
B3A	OC/PCBs	Kidney fat	Various	8	8	8	
B3B	OPs	Kidney fat	Various	15	15	15	
B3C	Metals	Kidney	Various	2	2	2	
B3C	Metals	Muscle	Various		2	2	
B3D	Mycotoxins	Liver	Various	8	8	8	

Northern Ireland 2015 Sheep Results Slaughterhouse

Group of substances	Compounds	Matrix	MRL (µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A2	Thyrostats	Urine	Not set	5	5	5	
A3	Gestagens	Kidney fat	Not set	5	5	5	
A1 &A3	Steroid screen 1	Urine	Not set	36	36	36	
A4	Zeranol	Urine	Not set	36	36	36	
A5	Beta-agonists	Liver	Not set	18	18	18	
A6	Chloramphenicol	Kidney	Not set	10	10	10	
A6	Nitrofurans	Kidney	Not set	15	15	15	
A6	Nitroimidazoles	Kidney	Not set	8	8	8	
B1	Antibacterial substances	Kidney	Various	173	174	174	
B1	Amphenicols	Kidney	Various	173	174	174	
B1	Sulphonamides	Kidney	100	7	7	7	
B2A	Anthelmintics	Liver	Various	90	90	86	Closantel 14600, 1840, 1740, 2150
B2B	Coccidiostats	Liver	Not set	21	20	20	
B2C	Pyrethroids	Kidney fat	Not set	36	36	36	
B2D	Sedatives	Liver	Various	6	6	6	
B2E	NSAIDS	Kidney	Not set	3	3	3	
B2F	Glucocorticoids	Liver	Not set	2	2	2	
B3A	OC/PCBs	Kidney fat	Various	8	8	8	
B3B	OPs	Kidney fat	Various	36	36	35	Diazinon 0.8
B3C	Metals	Kidney	Various	4	4	4	
B3C	Metals	Muscle	Various		4	4	

Northern Ireland 2015 Farmed Game Results Slaughterhouse

Group of substances	Compounds	Species	Matrix	MRL(µg/kg)	Planned Numbers	Number analysed	Number Less than LOQ	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
B1	Antibacterial substances	Deer	Kidney	Various	2	2	2	
B1	Sulphonamides	Deer	Kidney	100	2	2	2	
B2A	Anthelmintics	Deer	Liver	Various	2	2	2	

Northern Ireland 2015 Meat Inspection Samples in detail

Matrix	Analyte	Number of samples analysed	Less than MRL/Action level	Concentration detected above the MRL/Action Level (µg/kg)
Cattle retina	β-agonists	26	26	
Cattle Liver	β-agonists	24	24	
Cattle urine	Hormones	11	11	
Cattle kidney	Antimicrobial agents	1405	1394	See below
	Aminoglycosides	7	6	DHS 5300
	Penicillins & Cephalosporins	19	14	Pen G 90, 221, 719, 106 AMX 344
	Quinolone	22	19	MBX 5590, 580 NA 9.3
	Sulphonamides	3	2	SMT 1080
	Tetracyclines	17	16	OTC 2550
	Macrolides	8	8	
CattleLiver	Antiparasitics	82	80	NXL 266 IVM 198
Cattle Liver	NSAIDs	5	5	
Cattle plasma	Phenylbutazone	3	3	
Cattle urine	Corticosteroids	1	1	

Cattle Liver	Corticosteroids	1	1	
Cattle Milk OF	Antiparasitics	1	1	
Sheep Kidney	Antimicrobial agents	3	2	See below
	Tetracyclines	1	0	OTC 966
Sheep Liver	Antiparasitics	179	179	
Pig Kidney	Antimicrobial agents	82	82	

Key:

OF	On farm
AMX	Amoxicillin
CLO	Closantel
DHS	Dihydrostreptomycin
IVM	Ivermectin
MBX	Marbofloxacin
NXL	Nitroxinil
SMT	Sulphamethazine
OTC	Oxytetracycline
NA	Nalidixic Acid
Bold	Samples declared positive in excess of MRL or action level

Northern Ireland 2015 Pig Testing Scheme

Phase 1 (Stratified random)

Matrix	Analyte	Number of samples analysed	Less than MRL/Action level	Concentration detected above the MRL/Action Level (µg/kg)
Pig bile	Amphenicols	2158	2102	Screening test non-quantitative
Pig kidney	Amphenicols	56	56	
Pig bile	Sulphadiazine	2158	2157	Screening test non-quantitative
Pig kidney	Antimicrobials	2157	2111	Screening test non-quantitative
	Aminoglycosides	1	0	DHS 5800
	Sulphonamides	39	38	SDZ 155

Phase 2 (Targeted)

Matrix	Analyte	Number of samples analysed	Less than MRL/Action level	Concentration detected above the MRL/Action Level (µg/kg)
Pig bile	Sulphonamides	87	87	
Pig Kidney	Antimicrobial agents	87	87	

Key:

Bold	Samples declared positive in excess of MRL or action level
DHS	Dihydrostreptomycin
SDZ	Sulphadiazine

Northern Ireland 2015 RISC & RISK Schemes

Matrix	Analyte	No of samples analysed	Less than MRL/Action Level	Concentration detected above the MRL/Action Level (µg/kg)
Cattle Kidney	Antimicrobials	603		
	Amphenicols	497	497	
	Chloramphenicol	50	50	
	Tylosin	313	313	
Cattle Liver	Antiparasitics	237	237	
	NSAID	255	255	
	b-agonists	441	441	
Cattle retina	b-agonists	82	82	
Cattle Plasma	Phenylbutazone	517	516	PBZ 0.34
Sheep Kidney	Antimicrobials	526	526	
	Amphenicols	436	436	
	Chloramphenicol	67	67	
Sheep Liver	Antiparasitics	521	508	CLO 1680, 1710, 1870, 1980, 2280, 3260, 15000, 15700, 2940, 1940, 2110, 4058. FEN 575
Sheep Muscle	Dicyclanil	175	175	
Eggs	Antimicrobials	28	28	
	Coccidiostats	14	14	
Milk (bovine)	Antimicrobials	43	43	
	Antiparasitics	43	43	
Avian liver	Antiparasitics	22	22	
	Coccidiostats	37	37	
Avian muscle	Antimicrobials	74	74	

Porcine kidney	Antimicrobials	195	195	
Porcine liver	Ractopamine	196	196	

Key:

Bold	Samples declared positive in excess of MRL or action level
PBZ	Phenylbutazone
CLO	Closantel
FLR	Florfenicol

Northern Ireland 2015 Surveys

Matrix	Analyte	Number of samples analysed	Less than MRL/Action level	Concentration detected above the MRL/Action Level (µg/kg)
Cattle Liver	Imidocarb	304	304	