

Northern Ireland 2016 Cows Milk Results

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A6	Chloramphenicol	Bovine	Milk	Not set	121	121	121	
A6	Dapsone	Bovine	Milk	Not set	21	21	21	
B1	Antibacterial substances	Bovine	Milk	Various	121	122	121	Amoxicillin 44.3
B1	Sulphonamides	Bovine	Milk	100	21	23	23	
B2A	Anthelmintics	Bovine	Milk	Various	94	95	94	(Total) Triclabendazole 108
B2E	NSAIDS	Bovine	Milk	Various	25	29	29	
B3A	OC/PCBs	Bovine	Milk	Not set	6	6	6	
B3B	OPs	Bovine	Milk	Not set	6	6	6	
B3C	Metals	Bovine	Milk	Not set	3	3	3	
B3D	Aflatoxin M1	Bovine	Milk	0.05	5	5	5	

Northern Ireland 2016 Sheep Milk Results

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	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	2	2	2	
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 2016 Fish Results

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
B3E	Dyes	Salmon	Muscle & Skin	Not set	1	1	1	
A6	Chloramphenicol	Trout	Muscle & Skin	Not set	2	2	2	
B3E	Dyes	Trout	Muscle & Skin	Not set	2	2	2	

Northern Ireland 2016 Poultry Results On Farm

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A5	Beta-agonists	Broilers	Feed	Not set	20	32	32	
A6	Nitrofurans	Broilers	Feed	Not set	30	42	42	
A6	Nitroimidazoles	Broilers	Feed	Not set	30	30	30	
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	1	1	1	

Northern Ireland 2016 Egg Results

Group of substances	Compounds	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A6	Chloramphenicol	Eggs	Not set	39	40	40	
A6	Nitrofurans	Eggs	Not set	20	20	20	
A6	Nitroimidazoles	Eggs	Not set	20	20	20	
B1	Antibacterial substances	Eggs	Not set	60	61	61	
B1	Sulphonamides	Eggs	Not set	15	16	16	
B2B	Coccidiostats	Eggs	Various	73	74	73	Monensin 15
B3A	OC/PCBs	Eggs	Various	26	26	26	

Northern Ireland 2016 Poultry Results Slaughterhouse

Group of substances	Compounds	Species	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A3/A4	Steroids & Zeranol	Broilers	Serum	Not set	62	68	68	
A5	Beta-agonists	Broilers	Liver	Not set	40	40	40	
A6	Chloramphenicol	Broilers	Muscle	Not set	116	116	116	
A6	Nitrofurans	Broilers	Muscle	Not set	60	60	60	
A6	Nitroimidazoles	Broilers	Serum	Not set	102	110	110	
B1	Antibacterial substances	Broilers	Muscle	Various	210	210	210	
B1	Amphenicols	Broilers	Muscle	Various	210	210	210	
B1	Sulphonamides	Broilers	Muscle	100	27	27	27	
B2A	Anthelmintics	Broilers	Liver	Various	39	39	39	
B2B	Coccidiostats	Broilers	Liver	Various	77	79	79	
B2C	Pyrethroids + Carbamates	Broilers	Fat	Not set	8	8	8	
B2C	Pyrethroids + Carbamates	Broilers	Liver	Not set	8	8	8	
B3A	OC/PCBs	Broilers	Fat	Various	32	32	32	
B3C	Metals	Broilers	Liver	Various	8	9	9	
B3D	Mycotoxins	Broilers	Liver	Various	1	1	1	
A3/A4	Steroids & Zeranol	Turkeys	Serum	Not set	4	4	4	
A5	Beta-agonists	Turkeys	Liver	Not set	4	4	4	
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	13	14	14	
B1	Sulphonamides	Turkeys	Muscle	100	16	16	16	
B2A	Anthelmintics	Turkeys	Liver	Various	1	1	1	
B2B	Coccidiostats	Turkeys	Liver	Various	2	3	3	
B2C	Pyrethroids + Carbamates	Turkeys	Liver	Not set	1	1	1	
B3A	OC/PCBs	Turkeys	Fat	Not set	1	1	1	

Northern Ireland 2016 Cattle Results on Farm

Group of substances	Compounds	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A2	Thyrostats	Urine	Not set	37	37	36	Thiouracil 7.2
A3	Gestagens	Serum	Not set	30	38	38	
A3	Oestradiol	Serum	Not set	50	59	59	
A1 & A3	Steroids	Urine	Not set	187	198	183	α-Nortestosterone 5.3, 20.5, 23, 6.7, 7.3, 4.1, 8.9, 5.3, 9.3, 7.3, 16, 18. Testosterone 16. Progesterone 1.6. α- Boldenone free/conj 5.0/4.6 & β- Boldenone free/conj 0.34/3.6
A3	Testosterone	Serum	Not set	45	53	53	
A4	Zeranol	Urine	Not set	187	198	194	Taleranol/Zeranol 1.8/0.7, 13.1/5.2, 3.3/1.5, 1.2/1.1
A5	Beta-agonists	Feed	Not set	70	76	76	
A5	Beta-agonists	Urine	Not set	70	76	76	
A6	Chloramphenicol	Urine	Not set	50	50	50	
A6	Nitrofurans	Feed	Not set	30	30	30	

Northern Ireland 2016 Cattle Results Slaughterhouse

Group of substances	Compounds	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
A2	Thyrostats	Urine	Not set	25	31	31	
A3	Gestagens	Kidney fat	Not set	30	36	36	
A3	Oestradiol	Serum	Not set	30	30	30	
A1&A3	Steroids	Urine	Not set	178	178	177	α-Nortestosterone 9
A3	Testosterone	Serum	Not set	46	46	46	
A4	Zeranol	Urine	Not set	178	178	177	Taleranol/Zeranol 1.2/0.77
A5	Beta-agonists	Liver	Not set	99	99	99	
A6	Chloramphenicol	Kidney	Not set	39	46	46	
A6	Nitrofurans	Kidney	Not set	24	24	24	
A6	Nitroimidazoles	Kidney	Not set	28	28	28	
B1	Antibacterial substances	Kidney	Various	241	241	241	
B1	Amphenicols	Kidney	Various	241	241	241	
B1	Sulphonamides	Kidney	100	20	20	20	
B2A	Anthelmintics	Liver	Various	120	120	120	
B2C	Pyrethroids + Carbamates	Kidney fat	Various	5	5	5	
B2C	Pyrethroids + Carbamates	Liver	Various	5	5	5	
B2D	Sedatives	Kidney	Various	6	6	6	
B2E	NSAIDS	Liver	Various	96	96	96	
B2F	Glucocorticoids	Liver	Various	52	56	55	Cortisol/Cortisone/Prednisone 19.1/88.2/1.03
B3A	OC/PCBs	Kidney fat	Various	11	11	11	
B3B	OPs	Kidney fat	Various	34	38	38	
B3C	Metals	Kidney	Various	10	10	9	Cadmium 1280
B3C	Metals	Muscle	Various	10	10	10	
B3D	Mycotoxins	Liver	Not set	5	5	5	

Northern Ireland 2016 Pig Results On Farm

Group of substances	Compounds	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	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	2	2	2	
A6	Nitroimidazoles	Feed	Not set	2	2	2	

Northern Ireland 2016 Pig Results Slaughterhouse

Group of substances	Compounds	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	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	19	19	
A1 & A3	Steroids	Urine	Not set	59	59	59	
A4	Zeranol	Urine	Not set	59	59	59	
A5	Beta-agonists	Liver	Not set	42	42	42	
A6	Chloramphenicol	Kidney	Not set	28	34	34	
A6	Nitrofurans	Kidney	Not set	36	41	41	
A6	Nitroimidazoles	Kidney	Not set	27	27	27	
B1	Antibacterial substances	Kidney	Various	109	109	109	
B1	Amphenicols	Kidney	Various	109	109	109	
B1	Sulphonamides	Kidney	100	91	91	89	Sulphadiazine 990 Sulphadimethoxine 166
B2A	Anthelmintics	Liver	Various	47	47	47	
B2B	Coccidiostats	Liver	Various	9	9	9	
B2C	Pyrethroids + Carbamates	Kidney fat	Various	8	8	8	
B2C	Pyrethroids + Carbamates	Liver	Various	8	8	8	
B2D	Sedatives	Kidney	Various	10	10	10	
B2E	NSAIDS	Liver	Various	5	5	5	
B2F	Glucocorticoids	Liver	Various	5	9	9	
B2F	Carbadox	Liver	Various	6	6	6	
B3A	OC/PCBs	Kidney fat	Various	8	8	8	
B3B	OPs	Kidney fat	Various	15	22	22	
B3C	Metals	Kidney	Various	2	2	2	
B3C	Metals	Muscle	Various	2	2	2	
B3D	Mycotoxins	Liver	Various	9	9	9	

Northern Ireland 2016 Sheep Results Slaughterhouse

Group of substances	Compounds	Matrix	MRL (µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	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	34	43	39	α- Boldenone free/conj 1.5/0, 2.2/1.2, 1.5/3.4, 4.3/0
A4	Zeranol	Urine	Not set	34	43	43	
A5	Beta-agonists	Liver	Not set	17	17	17	
A6	Chloramphenicol	Kidney	Not set	9	18	18	
A6	Nitrofurans	Kidney	Not set	14	14	14	
A6	Nitroimidazoles	Kidney	Not set	7	7	7	
B1	Antibacterial substances	Kidney	Various	147	147	146	Dihydrostreptomycin 11300
B1	Amphenicols	Kidney	Various	147	147	147	
B1	Sulphonamides	Kidney	100	7	7	7	
B2A	Anthelmintics	Liver	Various	100	100	98	Closantel 1909, 1631
B2B	Coccidiostats	Liver	Not set	20	30	30	
B2C	Pyrethroids	Kidney fat	Not set	32	41	41	
B2D	Sedatives	Kidney	Various	6	15	15	
B2E	NSAIDS	Kidney	Not set	3	3	3	
B2F	Glucocorticoids	Liver	Not set	2	2	2	
B3A	OC/PCBs	Kidney fat	Various	7	7	7	
B3B	OPs	Kidney fat	Various	35	44	44	
B3C	Metals	Kidney	Various	4	4	4	
B3C	Metals	Muscle	Various	4	4	4	

Northern Ireland 2016 Farmed Game Results Slaughterhouse

Group of substances	Compounds	Species	Matrix	MRL(µg/kg)	Number of planned samples	Number of samples analysed	Number of samples less than MRL/Action Level	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 2016 Meat Inspection Samples in detail

Matrix	Analyte	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
Cattle Retina SH	b-agonists	15	15	
Cattle Liver SH	b-agonists	14	14	
Cattle Liver SH	Antiparasitics	119	114	Nitroxinil 484, 110, 810, 1037 Ivermectin 332
Cattle Liver SH	Corticosteroids	15	15	
Cattle Liver SH	NSAIDs	17	16	Meloxicam 267
Cattle Kidney SH	Antimicrobial agents	1234	1225	
	Aminoglycosides	10	8	Dihydrostreptomycin 2800, 1950
	Penicillins & Cephalosporins	13	12	Penicillin G 147
	Quinolone	23	22	Marbofloxacin 4700
	Tetracyclines	16	12	Oxytetracycline 1000, 1960, 887, 938
	Macrolides	4	3	Tylosin 281
Cattle Kidney SH	Heavy Metals	6	4	Cadmium 2976, 1503
Cattle Plasma SH	Phenylbutazone	17	16	Phenylbutazone 1.22
Cattle Urine SH	Steroids	20	20	
Cattle Urine OF	Steroids	5	5	
Cattle Muscle SH	Antimicrobial agents	13	13	
Cattle Muscle SH	Antiparasitics	4	4	
Sheep Liver SH	Antiparasitics	220	204	Closantel 4575, 1700, 2200, 3100, 4100, 2080, 2590, 4830, 2120, 2340, 1955 Flubendazole 13, 14, 15, 44, 19

Sheep Kidney SH	Antimicrobial agents	42	41	Oxytetracycline 840
Sheep Muscle SH	Antimicrobial agents	4	2	Oxytetracycline 279, 383
Sheep Urine SH	Steroids	9	9	
Broiler Muscle SH	Antimicrobial agents	2	2	
Eggs	Coccidiostats	1	1	
Pig Kidney SH	Antimicrobial agents	285	265	
	Sulphonamides	20	0	Sulphadiazine 436, 196, 130, 278, 244, 233, 211, 216, 144, 268, 119, 137, 183, 196, 256, 133, 298, 312, 352, 167
Pig Kidney SH	Sulphonamides	71	71	

Key:

SH	Slaughterhouse
OF	On farm
Bold	Samples declared positive in excess of MRL or action level

Northern Ireland 2016 RISK Scheme

Matrix	Analyte	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
Pig Bile SH	Sulphadiazine	438	438	
Pig Kidney SH	Antimicrobial Agents	483	467	
	Sulphonamides	2	2	
	Tetracyclines	12	12	
	Macrolides	1	1	
	Penicillins & Cephalosporins	1	1	
Pig Kidney SH	Chloramphenicol	50	50	
Pig Kidney SH	Sulphonamides	52	52	
Pig Kidney SH	Sedatives	51	51	
Pig Liver SH	Ractopamine	442	442	
Cattle Kidney SH	Antimicrobial Agents	573	572	
	Quinolones	1	0	Marbofloxacin 173
Cattle Kidney SH	Amphenicols	257	257	
Cattle Kidney SH	Tylosin	347	347	
Cattle Liver SH	Antiparasitics	332	328	Closantel 3390, 1299 Nitroxynil 502, 161
Cattle Liver SH	NSAID	107	107	
	b-agonists	499	499	
Cattle Retina SH	b-agonists	44	44	
Cattle Plasma SH	Phenylbutazone	555	554	Phenylbutazone 0.29
Sheep Kidney SH	Antimicrobials	490	490	
Sheep Kidney SH	Amphenicols	222	222	

Sheep Liver SH	Antiparasitics	498	483	Closantel 3110, 1950, 5733, 4149, 4395, 3976, 2483, 2043, 2496, 5516, 5370, 1985, 2834 Fenbendazole 1120 Nitroxynil 650 Rafoxanide 229
Avian Liver SH	Antiparasitics	57	57	
Avian Liver SH	Coccidiostats	127	126	Monensin 12
Avian Muscle SH	Antimicrobial Agents	262	262	
Avian Muscle SH	Sulphonamides	83	83	
Eggs	Antimicrobials	86	86	
Eggs	Coccidiostats	42	42	
Eggs	Sulphonamides	32	21	
Eggs	Flofenicol	22	22	
Eggs	Antiparasitics	18	18	
Milk (bovine)	Antimicrobials	254	254	
Milk (bovine)	Antiparasitics	130	129	Nitroxynil 42
Milk (bovine)	Nitroxynil	241	241	
Milk (bovine)	Sulphonamides	44	44	
Milk (bovine)	Flofenicol	33	33	
Milk (bovine)	NSAID	49	49	

Key:

SH	Slaughterhouse
Bold	Samples declared positive in excess of MRL or action level

Northern Ireland 2016 Surveys

Matrix	Analyte	Number of samples analysed	Number of samples less than MRL/Action Level	Concentration detected where samples were above the MRL/MRPL/Action Level (µg/kg)
Cattle Liver	Imidocarb	445	445	