



**FOOT AND MOUTH DISEASE  
IN THE UNITED KINGDOM  
2001**

**REPORT NO 7**

**9 APRIL 2001**

**Ministry of Agriculture, Fisheries and Food  
9 April 2001**



## 1. POSITION AS AT 9 APRIL 2001

### 1.1 Current position

1.1.1 The total number of confirmed outbreaks of Foot and Mouth Disease in Great Britain currently stands at 1134. A single outbreak of FMD was also confirmed in N. Ireland on 1 March 2001.

1.1.2 The majority of outbreaks have involved sheep destined for slaughter, though disease has been diagnosed in cattle and pigs. In addition to holdings on which disease has been confirmed, animals on 1729 holdings considered to be at risk from FMD through contacts with an infected holding, have also been killed. A total of 741,779 animals (185,759 cattle, 339,257 sheep, 184 goats and 16,579 pigs) are affected on the 1134 holdings where FMD has been confirmed and 598,359 animals (83,584 cattle, 429,831 sheep, 940 goats and 84,334 pigs) on the 1,729 holdings considered at risk from FMD.

1.1.3 Confirmed outbreaks have occurred in 36 of the 75 Counties in England, Scotland and Wales. The Counties of Cumbria (468), Dumfries and Galloway (133) and Devon (117) have been particularly affected as have Co. Durham (56), Gloucester (84), Powys (32) and Tyne and Wear (13), Staffordshire (44), Worcester (19) Hereford (36) and Northumberland (32). The other affected Counties have each had less than 15 outbreaks.

1.1.4 Of the confirmed cases, suspicion of disease was first reported by the owner in 878 instances, by a private veterinary surgeon in 29 instances while 69 outbreaks were detected as a result of tracing from a confirmed outbreak and 74 were detected by MAFF State Veterinary Service staff in the course of patrols in the 3-km protection zones established around all confirmed outbreaks. (37) outbreaks were identified in flocks/herds destroyed as dangerous contacts, 9 were detected in abattoirs by the Official Veterinary Surgeon.

1.1.5 A map showing the location of confirmed FMD outbreaks in Great Britain is at Annex 1.

## 1.2 Legislative controls

1.2.1 All the measures foreseen in Council Directive 85/511/EEC have been applied. Protection and surveillance zones with radii of at least 3-km and 10-km have been imposed around each infected holding, the surveillance zones having been extended to take account of the prevailing wind conditions at the time between the introduction of disease and its first detection.

1.2.2 On 23 February, The Foot and Mouth Disease Declaratory (Controlled) Area Order 2001 was made making England and Wales a controlled area for the purposes of FMD control and prohibiting the movement of all FMD susceptible animals and their carcasses in the whole of England and Wales except under license and banning the holding of fairs, markets, shows or other gatherings of animals. Identical legislation was made in Scotland.

1.2.3 This Order expired on 2 March and was replaced by The Foot and Mouth Disease Declaratory (Controlled Area)(England & Wales)(No 2) Order 2001 which, while, continuing to prohibit the movement of all FMD susceptible animals and their carcasses in the whole of England and Wales, provides for the movement of animals of any species direct to abattoirs for slaughter. Local movements (upto 5-km), under license, have also been permitted for welfare or reasons of essential farm operation but these latter movements may not exceed 0.5-km and movements must take place within the boundaries of the same holding

1.2.4 The controlled area was further extended without time limit by The Foot and Mouth Disease Declaratory (Controlled Area)(England & Wales)(No 3) Order 2001 which came into force on 16 March 2001.

## 2 EPIDEMIOLOGY

2.1 A diagram showing the believed epidemiological links between confirmed cases is shown at Annex 2.

## 3 FUTURE DIRECTION OF CONTROLS

3.1 There are five key disease control aims.

- keep free of disease those areas of the country still free of FMD;
- halt the deteriorating disease situation in Devon;
- stop the spread of disease in the North of England and Southern Scotland;
- minimize the spread of disease from Longtown, Welshpool and Northampton markets;
- eliminate infection in flocks that have passed through dealers known to have handled infected animals.

*Keep free of disease those areas of the country still free of FMD*

3.2 It is anticipated that new types of control areas will be established aimed at avoiding the importation of FMD into these areas by the movement of animals from areas where infection exists. High risk movements of sheep which took place before 23 February into these areas will be identified and removed

*Devon*

3.3 Disease is occurring mainly in cattle and is easier to identify. The topography and farm structure (lots of small farms, dense animal populations, movements of people and vehicles) is not suited to a large scale preventive slaughter campaign, though individual farms or areas could be cleared on a case by case basis. The strategy will be to undertake intensive foot patrols in the 3-km area around infected farms with individual farms being visited by veterinary staff to ensure FMD cases are identified as early as possible to prevent onward spread.

*Southern Scotland and Northern England*

3.4 There is a large focus of infection in this area, mostly concentrated in sheep flocks, with the potential for rapid spread to adjacent holdings. It is proposed that all sheep and pigs within 3-km of an FMD infected holding should be killed. Symptoms of FMD are difficult to identify in sheep and the consequences of failure to identify infected

sheep are greatest. In the case of pigs, there is a risk of substantial aerosol spread in the late stages of incubation before symptoms become apparent.

*Spread of disease from Longtown, Welshpool and Northampton markets*

3.5 There is clear evidence that sheep from markets in Welshpool, Longtown and Northampton markets were exposed to infection and there is reason to suspect that with the passage of time, numbers of flocks into which these sheep have been imported may be infected. These flocks will be killed as dangerous contacts.

*Sheep that have passed through dealers known to have handled infected animals*

3.6 Flocks associated with the movements of sheep handled during the high-risk period by two major dealers, may similarly be infected and will also be killed as dangerous contacts.

#### 4 NEW INITIATIVES

4.1 In an attempt to bring the epidemic rapidly under control three new initiatives have been taken:

- (1) Set a target of 24 hours from the time FMD is reported from a farm to the destruction of all susceptible species on the holding.
- (2) Destroy all susceptible species on holdings contiguous to an infected holding within 48 hours of disease being confirmed.
- (3) Kill all pigs and sheep on holdings within a 3Km radius of an infected holding in Cumbria and Dumfries and Galloway.

4.2 The option to use vaccination is still under consideration.

## FMD IN THE UNITED KINGDOM

- **Confirmed outbreaks**

	<b>(909)</b>	<b>1134</b>
- Cattle	(149,521)	185,759
- Sheep	(448,138)	539,257
- Pigs	(16,300)	16,579
- Goats	(176)	184
- Total	<b>(614,135)</b>	<b>741,779</b>

## FMD IN THE UNITED KINGDOM

- **Dangerous contacts (1,229) 1,729**

- cattle	(59,100)	83,554
- sheep	(290,040)	429,531
- pigs	(55,157)	84,334
- goats	(875)	940
- Total	<b>(405,172)</b>	<b>598,359</b>

## FMD IN THE UNITED KINGDOM

### • FMD outbreaks in 36/75 Counties

- Cumbria	(368)	468
- Dumfries & Galloway	(113)	133
- Devon	(95)	117
- Co. Durham	(49)	56
- Powys	(25)	32
- Northumberland	(25)	32
- Staffordshire	(32)	44
- Hereford	(25)	36

## FMD IN THE UNITED KINGDOM

### • Detection

- Owner	(697)	878
- Private Vet	(27)	29
- Tracing	(57)	69
- 3-Km patrol	(63)	74
- DC	(24)	37
- OVS	(9)	9

Confirmed cases by date of confirmation

County	W/C 20-Feb	W/C 27-Feb	W/C 6-Mar	W/C 13-Mar	W/C 20-Mar	W/C 27-Mar	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	Grand Total
Cumbria	0	11	36	63	146	131	18	16	11	8	11	17	468
Dumfries & Galloway	0	8	16	28	37	26	5	4	3	5	4	2	133
Devon	2	11	16	16	26	25	5	1	7	5	1	1	117
Co Durham	0	4	8	11	17	11	1	1	1	2	1	1	56
Glos	0	0	3	7	15	19	4	1	1	1	1	3	54
Staffs	0	2	4	4	11	12	4	5	1	1	1	2	44
Herefords	0	5	1	2	10	9	1	1	4	1	1	2	36
Northumberland	0	1	1	0	8	17	1	1	2	1	1	2	36
Powys	0	2	3	9	8	7	1	1	1	1	1	1	32
Worcs	0	2	6	3	7	1	1	1	1	1	1	1	32
Lancs	0	3	2	2	1	1	1	3	1	1	1	1	19
Tyne & Wear	3	6	2	1	1	1	1	1	1	1	1	1	14
Anglesey	0	1	3	4	4	4	1	1	1	1	1	1	13
N Yorks	0	0	1	3	0	4	1	1	1	1	1	1	12
Cheshire	0	0	0	2	1	7	1	1	1	1	1	1	12
Essex	4	2	2	1	1	1	1	1	1	1	1	1	10
Derbyshire	0	0	6	1	1	1	4	1	1	1	1	1	10
Monmouth	0	0	0	1	3	1	1	1	1	1	1	1	8
Salop	0	0	0	1	3	1	1	1	1	1	1	1	8
Wiltts	1	1	4	1	0	1	1	1	1	1	1	1	7
Gwent	0	0	0	0	0	2	2	3	3	3	3	1	6
Kent	0	0	1	3	0	1	1	1	1	1	1	1	5
Roxburghshire	0	0	0	0	0	2	2	2	2	2	2	2	5
Cornwall	0	2	0	0	0	1	1	1	1	1	1	1	4
Warwicks	0	1	0	0	0	1	1	1	1	1	1	1	4
Leics	0	1	0	1	2	1	1	1	1	1	1	1	4
W Yorks	0	0	1	0	0	1	1	1	1	1	1	1	3
Kirkcudbrightshire	0	0	0	0	1	1	1	1	1	1	1	1	3
Oxon	0	1	0	1	0	1	1	1	1	1	1	1	2
Berks	0	0	1	0	0	1	1	1	1	1	1	1	2
Gwynedd	0	0	1	0	0	1	1	1	1	1	1	1	1
Montgomeryshire	0	0	0	1	0	1	1	1	1	1	1	1	1
Northants	0	1	0	0	0	1	1	1	1	1	1	1	1
Somerset	0	0	1	0	0	1	1	1	1	1	1	1	1
Stockton-on-Tees	0	0	0	1	0	1	1	1	1	1	1	1	1
West Midlands	0	0	0	0	0	1	1	1	1	1	1	1	1
Grand Total	10	65	119	168	303	285	40	34	33	26	22	29	1134
Cum Total		75	194	362	665	950	990	1024	1057	1083	1105	1134	184
				Cumulative Total for w/c		3-Apr	40	74	107	133	155	184	

Confirmed cases by date of confirmation

County	W/C 20-Feb	W/C 27-Feb	W/C 6-Mar	W/C 13-Mar	W/C 20-Mar	W/C 27-Mar	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	Grand Total
Anglesey	0	1	3	4	4								12
Berks	0	0	1	0	0								1
Cheshire	0	0	0	2	1	7							10
Co Durham	0	4	8	11	17	11	1	1	1	2		1	56
Cornwall	0	2	0	0	0	1				1			4
Cumbria	0	11	36	63	146	131	18	16	11	8	11	17	468
Derbyshire	0	0	6	1	1								8
Devon	2	11	16	16	26	25	5	3	7	5	1		117
Dumfries & Galloway	0	8	16	28	37	26	5	4	3		4	2	133
Essex	4	2	2	1	1	19	4	1	1	1		3	54
Glos	0	0	3	7	15	2							6
Gwent	0	0	0	0	0	2				3		1	6
Gwynedd	0	0	0	1	0								1
Herefords	0	5	1	2	10	9		1	4	1	1	2	36
Kent	0	0	1	3	0	1							5
Kirkcudbrightshire	0	0	0	0	0	1					1		2
Lancs	0	3	2	2	1	1		3	1			1	14
Leics	0	1	1	0	0	1							3
Monmouth	0	0	0	1	3	4							8
Montgomeryshire	0	0	0	0	0	1							1
N Yorks	0	0	1	3	0	4		1	1	1		1	12
Northants	0	1	0	0	0								1
Northumberland	0	1	1	0	8	17	1		2	1	1		32
Oxon	0	1	0	1	0								2
Powys	0	2	3	9	8	7		1	1			1	32
Roxburghshire	0	0	0	0	0	2				2	1		5
Salop	0	0	0	1	3	1	1				2		8
Somerset	0	0	1	0	0								1
Staffs	0	2	4	4	11	12	4	5	1	1			44
Stockton-on-Tees	0	0	0	1	0								1
Tyne & Wear	3	6	2	1	1								13
W Yorks	0	0	1	1	1								3
Warwicks	0	1	0	1	2								4
West Midlands	0	0	0	0	0	1							1
Wilts	1	1	4	1	0								7
Worcs	0	2	6	3	7	1							19
Grand Total	10	65	119	168	303	285	40	34	33	26	22	29	1134
Cum Total		75	194	362	665	950	90	1024	1057	1083	1105	1134	
				Cumulative Total for w/c		3-Apr	40	74	107	133	155	184	

FMD No.	Confirmation Date	Prem. Type	County	Cattle	Sheep	Pigs	Goats	Link
1051	05/04/2001 16:35	Agricultural Holding	Cumbria	161	211	0	0	Contiguous to several IP's
1052	05/04/2001 16:20	Agricultural Holding	Lancashire	60	196	0	0	premises under Form D <3km
1053	05/04/2001 17:00	Agricultural Holding	Durham	200	770	0	0	Under Investigation
1054	05/04/2001 17:12	Agricultural Holding	Cumbria	0	380	0	0	Under Investigation
1055	05/04/2001 17:15	Agricultural Holding	Powys	20	290	0	0	Contiguous to an IP
1056	05/04/2001 17:30	Agricultural Holding	Northumberland	200	870	0	0	Under Investigation
1057	05/04/2001 17:36	Agricultural Holding	Devonshire	52	275	0	0	Under Investigation
1058	05/04/2001 18:55	Agricultural Holding	Gwent	0	850	0	0	Under Investigation
1059	05/04/2001 19:10	Agricultural Holding	Cumbria	530	371	0	0	Under Investigation
1060	05/04/2001 19:32	Agricultural Holding	Cumbria	310	0	0	0	Close to IP
1061	05/04/2001 19:45	Agricultural Holding	Roxburgh	0	327	0	0	Contiguous to IP
1062	06/04/2001 11:10	Agricultural Holding	Cumbria	100	334	0	0	Under investigation
1063	06/04/2001 11:30	Agricultural Holding	Cumbria	540	0	0	0	Under investigation
1064	06/04/2001 13:09	Agricultural Holding	Devonshire	80	550	0	0	Under Investigation
1065	05/04/2001 14:33	Agricultural Holding	Gwent	125	940	0	2	Not direct, but surrounded by DCs
1066	06/04/2001 13:05	Agricultural Holding	Cumbria	159	142	0	0	Close to IP
1067	06/04/2001 14:15	Agricultural Holding	Gwent	200	900	6	0	Under Investigation (very close to IP).
1068	06/04/2001 15:40	Agricultural Holding	Cumbria	550	0	0	0	Under investigation
1069	06/04/2001 15:35	Agricultural Holding	Devonshire	0	237	0	0	Under Investigation
1070	06/04/2001 16:16	Agricultural Holding	Northumberland	0	122	0	0	Under investigation
1071	06/04/2001 16:22	Agricultural Holding	Devonshire	177	0	0	0	Under investigation
1072	06/04/2001 16:20	Agricultural Holding	Cumbria	166	181	0	0	Under investigation
1073	06/04/2001 16:58	Agricultural Holding	Cornwall	11	0	0	0	Under investigation
1074	06/04/2001 17:05	Agricultural Holding	Durham	26	0	0	0	Under investigation
1075	06/04/2001 17:27		Roxburgh	0	720	0	0	Under investigation
1076	06/04/2001 17:40	Agricultural Holding	Devonshire	50	454	0	0	Under investigation
1077	06/04/2001 16:35	Agricultural Holding	Staffordshire	450	325	0	0	Under Investigation
1078	06/04/2001 18:00	Agricultural Holding	Gloucestershire	0	150	0	0	FMD 439
1079	06/04/2001 18:10	NOT KNOWN (F&M ONLY)	Hereford & Worcester	0	1300	0	0	Under Investigation
1080	06/04/2001 18:19	Agricultural Holding	Devonshire	104	640	0	0	Under investigation

FMD No.	Confirmation Date	Prem. Type	County	Cattle	Sheep	Pigs	Goats	Link
1081	06/04/2001 18:30	Agricultural Holding	Durham	13	1580	0	3	Under investigation
1082	06/04/2001 19:00	Agricultural Holding	North Yorkshire	77	52	3	0	Under Investigation
1083	06/04/2001 18:39	Agricultural Holding	Cumbria	540	950	0	0	Contiguous to FMD 786
1084	06/04/2001 19:25	Agricultural Holding	Cumbria	137	60	0	0	Under Investigation
1085	06/04/2001 19:35	Agricultural Holding	Kircudbright	560	460	0	0	Under Investigation
1086	06/04/2001 19:45	Agricultural Holding	Dumfriesshire	0	799	0	0	Surrounded by IP's
1087	06/04/2001 19:45	Agricultural Holding	Cumbria	312	0	0	0	under investigation
1088	06/04/2001 19:50	Agricultural Holding	Cumbria	257	350	0	0	under investigation
1089	06/04/2001 20:00	Agricultural Holding	Cumbria	137	160	0	0	Under investigation
1090	06/04/2001 20:40	Agricultural Holding	Devonshire	86	350	0	0	under investigation
1091	07/04/2001 09:08	Agricultural Holding	Cumbria	231	0	0	0	Under Investigation
1092	07/04/2001 11:58	Agricultural Holding	Dumfriesshire	85	0	0	0	under investigation
1093	07/04/2001 12:35	Agricultural Holding	Cumbria	260	0	0	0	under investigation
1094	07/04/2001 13:10	Agricultural Holding	Cumbria	302	0	0	0	Under investigation
1095	07/04/2001 13:23	Agricultural Holding	Cumbria	213	0	0	0	Under investigation
1096	07/04/2001 14:10	Agricultural Holding	Northumberland	0	495	0	0	Under Investigation
1097	06/04/2001 18:00	Agricultural Holding	Shropshire	0	520	0	0	FMD211
1098	07/04/2001 13:15	Agricultural Holding	Shropshire	0	680	0	0	FMD211
1099	07/04/2001 15:20	Agricultural Holding	Cumbria	98	0	0	0	Under investigation
1100	07/04/2001 16:00	Agricultural Holding	Dumfriesshire	150	225	0	0	FMD1022
1101	07/04/2001 18:05	Agricultural Holding	Roxburgh	0	900	0	0	FMD2001/1075, VDR2001/3423
1102	07/04/2001 17:10	Agricultural Holding	Dumfriesshire	0	30	0	0	Contiguous to IP's
1103	07/04/2001 17:39	Agricultural Holding	Cumbria	415	2	0	0	Contiguous to an IP
1104	07/04/2001 17:35	Agricultural Holding	Cumbria	70	350	0	0	Under Investigation
1105	07/04/2001 18:25	Agricultural Holding	Hereford & Worcester	19	695	0	0	Under investigation
1106	07/04/2001 19:00	Agricultural Holding	Cumbria	350	600	0	0	Under Investigation
1107	07/04/2001 19:35	Agricultural Holding	Gwent	0	116	0	0	Under Investigation
1108	07/04/2001 20:10	Agricultural Holding	Mid Glamorgan	131	375	0	0	Under investigation
1109	07/04/2001 20:50		Cumbria	516	0	0	0	Under investigation
1110	07/04/2001 20:55 -	Agricultural Holding	Cumbria	8	425	0	0	Under Investigation

FMD No.	Confirmation Date	Prem. Type	County	Cattle	Sheep	Pigs	Goats	Link
1111	08/04/2001 08:47		Cumbria	240	0	0	0	Under investigation
1112	08/04/2001 11:38	Agricultural Holding	Wigtown	220	180	0	0	INVESTIGATION CONTINUES
1113	08/04/2001 11:37	Agricultural Holding	Cumbria	223	115	0	0	FMD 422
1114	08/04/2001 11:45	Agricultural Holding	Gloucestershire	3	200	0	0	Under Investigation
1115	08/04/2001 12:25	Agricultural Holding	Cumbria	3	84	0	0	IP 2 miles
1116	08/04/2001 12:06	Agricultural Holding	Cumbria	280	0	0	0	Under investigation
1117	08/04/2001 12:15	Agricultural Holding	Cumbria	115	230	0	0	3x IP's within 1 km
1118	08/04/2001 12:45	Agricultural Holding	Cumbria	163	103	0	0	No movement link but IP 1km
1119	08/04/2001 11:12	Agricultural Holding	Lancashire	170	23	0	0	IP contiguous
1120	08/04/2001 13:10	Agricultural Holding	Cumbria	270	0	0	0	Under Investigation
1121	08/04/2001 11:00	Agricultural Holding	Hereford & Worcester	236	0	0	0	Under investigation
1122	08/04/2001 14:14	Agricultural Holding	Cumbria	11	21	0	0	Under investigation
1123	08/04/2001 14:10	Agricultural Holding	Cumbria	381	357	0	0	Under Investigation
1124	08/04/2001 14:30	Agricultural Holding	Cumbria	0	190	0	0	Under Investigation
1125	08/04/2001 14:30	Agricultural Holding	Durham	0	61	0	0	under investigation
1126	08/04/2001 14:10	Agricultural Holding	North Yorkshire	67	108	0	0	Area FMD2001/0722 1km away
1127	08/04/2001 15:45	Agricultural Holding	Cumbria	77	240	0	0	Under Investigation
1128	08/04/2001 15:40	Agricultural Holding	Dumfriesshire	125	0	0	0	Under investigation
1129	08/04/2001 16:25	Agricultural Holding	Hereford & Worcester	0	140	0	0	Under investigation
1130	08/04/2001 16:39	Agricultural Holding	Gloucestershire	160	100	0	0	Under investigation
1131	08/04/2001 17:00	Agricultural Holding	Gloucestershire	0	1150	0	0	Under Investigation
1132	08/04/2001 15:40	Agricultural Holding	Cumbria	0	130	0	0	FMD1133
1133	08/04/2001 15:50		Cumbria	0	0	0	0	FMD1132
1134	08/04/2001 18:30	Agricultural Holding	Cumbria	0	1112	0	0	Under investigation

Foot and Mouth Disease Outbreak 2001  
As At 08:00HRS 09APR01

- ▲ Confirmed 08.04.01
- △ Confirmed 07.04.01
- ▲ Remaining Premises
- ▨ Infected Areas
- ▩ Provisionally Free Areas

736 Cases



