



Department of
**Agriculture and
Rural Development**

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MINISTRE O
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AUJESZKY'S DISEASE

ERADICATION SCHEME

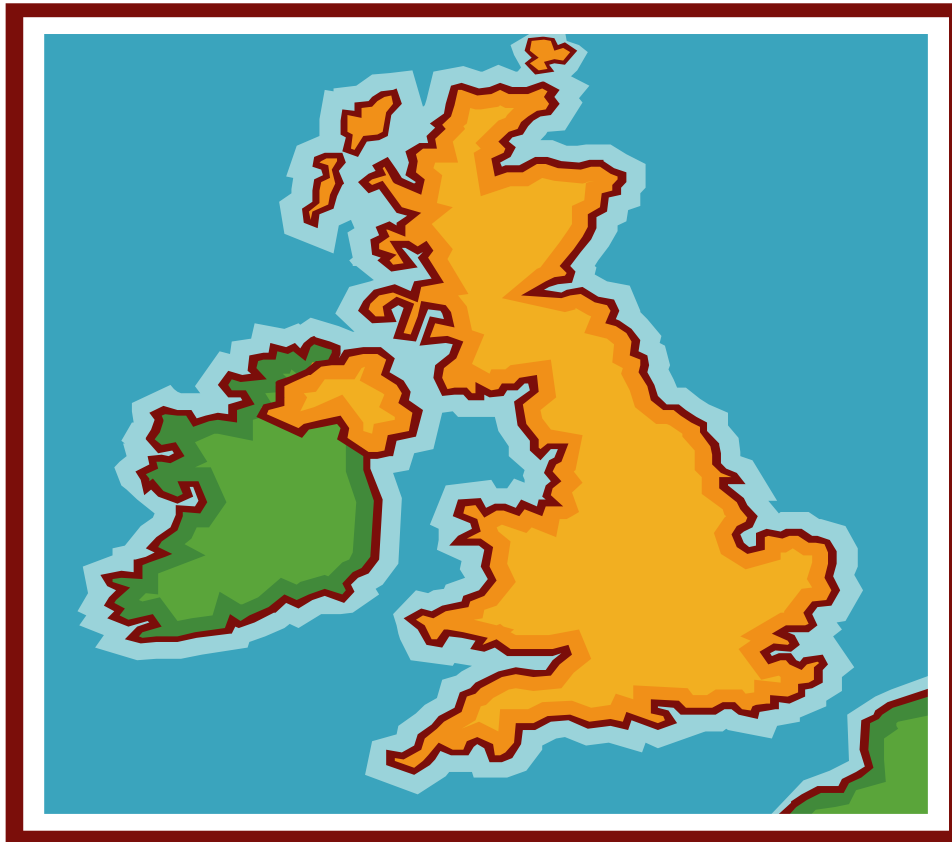
IN NORTHERN IRELAND



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Current Numbers of Holdings and Pigs

Number of Holdings

694

Number of Pigs

402,414

Compulsory Eradication Scheme Introduced in 1994

- Aujeszky's Disease Scheme Order (Northern Ireland) 1994
- Aujeszky's Disease Order (Northern Ireland) 1994

Components of the Scheme

- Notifiable Disease
- Compulsory Registration of holdings, identification and records.
- Movement Controls – licence, movement documents
- Database
- Blood testing on farm (qualifying & monitoring tests)
- Surveillance at abattoir
- Culling infected animals & associated controls
- Vaccination when OADF not established
- Classification of holdings –
 - *OADF: Officially Aujeszky's Disease Free (without vaccination)
 - *ADF: Aujeszky's Disease Free (with vaccination)
 - *PS: Primary Status



Organisation, supervision and role of all stakeholders involved

- DARD policy personnel oversee the policy and legislation regarding the programme
- DARD Veterinary Service delivers, supervises and monitors the programme.
- NI Veterinary Sciences Laboratory – Agri Food Biosciences Institute (AFBI) – test the samples.
- Routine on farm blood samples are taken by PVPs.
- Suspect disease and inconclusive samples are taken by DARD personnel.
- Meat processors sample finished pigs at the abattoir.

Summary table of Aujeszky's Disease Statuses

CATEGORY	DISEASE STATUS	VACCINATION REQUIREMENTS	BLOOD SAMPLING	CAN PURCHASE FORM
Officially Aujeszky's Disease Free (OADF)	No evidence of infection. No vaccinated pigs	No vaccination	Annual 10% Monitoring Test	OADF
TWO NEGATIVE HERD TESTS (WHOLE VIRUS) 6 MONTHS APART				
Aujeszky's Disease Free (ADF)	No evidence of infection. Herd may contain vaccinated pigs	Vaccination Optional	Annual 10% Monitoring Test	ADF and above
TWO NEGATIVE HERD TESTS (G1) 6 MONTHS APART				
Primary Status	Infected or possibly infected	Must vaccinate (unless Candidate) for ADF or OADF)	Monitoring – only when required	Any status

A holding will lose its Aujeszky's Disease status if:-

- Pathological, clinical or serological evidence of Aujeszky's Disease infection is detected
- Pigs have moved in from a herd with a lower Aujeszky's Disease status
- The herd has not maintained its compulsory monitoring to retain the status

The herd status will be downgraded as appropriate and new movement controls will be put in place including issuing of appropriate movement licence and movement documents.

Measures on Confirmation of Disease

- Stipulated by Aujeszky's Disease Order (Northern Ireland) 1994
- Restrictions on movement of diseased or suspect pigs except to slaughter
- Epidemiological investigation –
 - Herd Inspection
 - Forward & backward trace
 - Slaughter of infected animals
 - Enforcement of vaccination programme

Brief History between 1994 & 2003

Table 1: Pig industry in relation to AD herd status comparison between 1993/4 and 2003

	1993/94	2003
Total operational herds	2,733	665
*OADF/ADF herds	2% (of total herds)	17%
*Primary Status (PS)	98% (of total herds)	83%
Infected herds	Approximately 25% (of total herds based on survey prior to commencement of ADES)	20% (of PS herds based on 2003 survey)

Real progress between 2004-2009

- Partnership approach with the industry
- Industry Incentives – price penalties at processing plant
- Dedicated team provided by DARD Vet Service
- Additional Monitoring at abattoir of finished pigs

Table 7 shows the percentages of herds proved free from ADV and those testing serologically positive in each year from 2004-2008.

Year	Total Herds	Number of herds checked	% ADF/OADF	% Infected Period Herd Prevalence	No. of Samples
2004	638	198	27%	2%	3080
2005	621	352	31%	3.1%	13168
2006	642	385	44%	4.7%	30077
2007	627	462	72%	1.7%	19150
2008	694	426	84%	0.7%	7605



Herd Status distribution 31 December 2008

Herd Status	Number of Herds	Percentage
OADF	399	57%
ADF	190	27%
CO/CA	25	4%
PS	80	12%
	Total 694	

Primary Status Herds at 31 December 2008 (total 80 holdings)

Herd Type	No Stock	Pets	Breeding	Finisher	Finisher (Own Consumption)
No %	63 (79%)	3 (4%)	5 (6%)	5 (6%)	4 (5%)

Programme monitoring procedures

- A dedicated DARD team monitors the programme by ensuring that:-
- All operational pig holdings are registered on APHIS
 - An AD status is applied to each holding
 - All pigs are appropriately identified and pig movements take place under the conditions of the allocated licence
 - All movements are recorded on the APHIS database
 - An appropriate testing protocol is allocated to each holding
 - Certification of sampling is carried out by PVPs or Veterinary Officers at each herd test
 - Appropriate vaccination is carried out by herd keepers
 - All AD breakdowns are thoroughly investigated and appropriate measures taken to achieve eradication

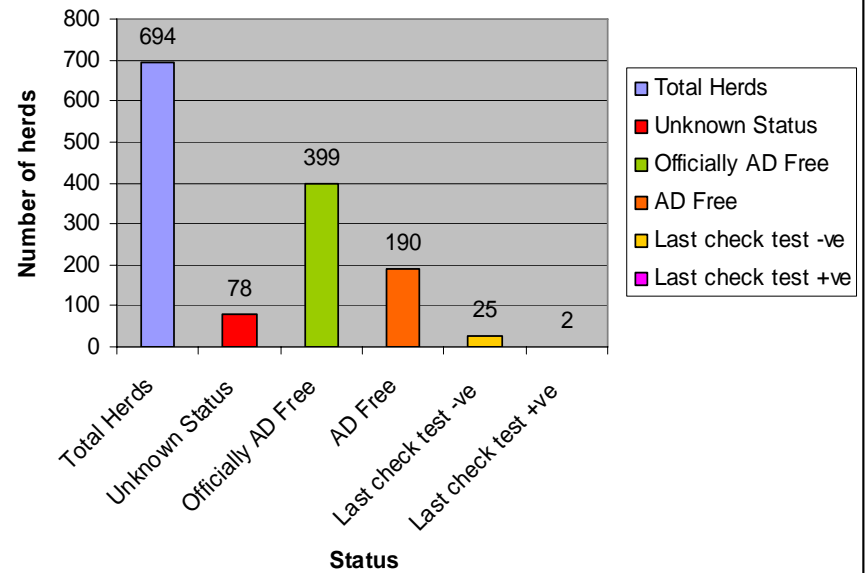


2008

Herds testing serologically positive for ADV in 2008



Herd AD Status 2008



CONCLUSION

- Mandatory Scheme
- Partnership with Industry
- Significant Progress



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Thank you for your attention

