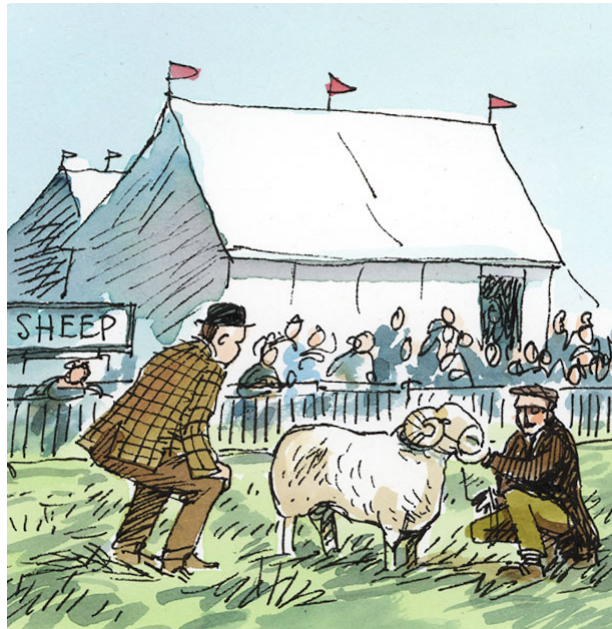


Sheep Breed Survey

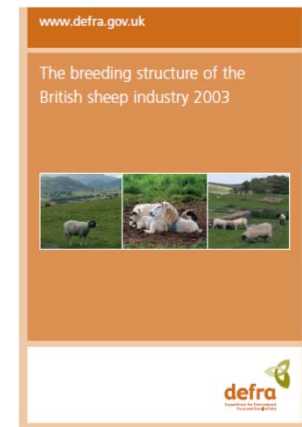
Provisional Ram Data Results
Number crunched by Samuel Boon



Method for analysing rams

- Extraction of data about the number of rams and ram breeds
 - Data cleaned and breed make up divided into
 - Purebred
 - Crossbred – listing the second breed

8,331 holdings reported 63,041 rams
59,948 purebred (95%) and 3,093 crossbred (5%)
(98 purebreds and 127 crossbreds)



Highest proportion homebred (breeds / crosses with 30+ homebred rams)

Out of 63,041 rams
15,558 were
homebred (24%)

Breed / Breed Cross	Total Rams	Homebred rams	%
Ile de France	52	48	92.3%
Lonk	130	101	77.7%
Beltex X Suffolk	39	30	76.9%
Easycare	772	506	65.5%
Exlana	49	30	61.2%
Teeswater	115	66	57.4%
Suffolk X Unknown	169	88	52.1%
South Welsh Mountain	113	52	46.0%
Texel X Suffolk	92	42	45.7%
Wiltshire Horn	149	63	42.3%
Hardy Speckle	329	133	40.4%
Southdown	325	130	40.0%
Oxford Down	98	38	38.8%
Shropshire	98	38	38.8%
Welsh Mountain	3401	1308	38.5%
Texel X Unknown	573	198	34.6%
Blackface	3996	1333	33.4%
Suffolk X Texel	100	33	33.0%

Breeds accounting for more than 1% of sires (pure and cross)

	Pure	Cross bred	Total	2013%	2003 %	1996 %
Texel	17063	1300	18363	29%	24%	17%
Suffolk	8126	372	8498	13%	23%	31%
Charollais	5541	408	5949	9%	7.5%	8%
Blue F' Leicester	4204	15	4219	7%	7.5%	8%
Blackface	3996	39	4035	6%	7%	12%
Welsh Mountain	3401	27	3428	5%	6%	4%
Lleyn	2187	40	2227	4%	2%	<1%
Beltex	1475	644	2119	3%	1%	<1%
Cheviot Hill	1696	19	1715	3%	3%	2%
Swaledale	1692		1692	3%	3%	3%
Cheviot unspec'	1190	10	1200	2%	1%	1%

Which breeds are involved in crossing?

	PURE	CROSSBRED		
	Number of Rams	Number of Rams	Total	Proportion Cross
Beltex	1475	644	2119	30%
Texel	17063	1300	18363	7%
Charollais	5541	408	5949	7%
Suffolk	8126	372	8498	4%
Lleyn	2187	40	2227	2%
Cheviot Hill	1696	19	1715	1%
Blackface	3996	39	4035	1%
Cheviot unspecified	1190	10	1200	1%
Welsh Mountain	3401	27	3428	1%
Blue Faced Leicester	4204	15	4219	0%

Cross sires are mostly terminal sire

	Number of rams
Texel X Unknown	573
Texel X Beltex	384
Beltex X Texel	240
Beltex X Unknown	226
Suffolk X Unknown	169
Charollais X Texel	144
Charollais X Beltex	125
Beltex X Charollais	121
Charollais X Unknown	104
Suffolk X Texel	100
Texel X Charollais	96
Texel X Suffolk	92
Cheviot X Unknown	85
Texel X Beltex cross	45
Beltex X Suffolk	39
Suffolk X Beltex	32
Suffolk X Charollais	32
Texel X Texel cross	32
Lleyn X Unknown	30

AI use is a small influence (Breeds with 10+ AI sires reported)

	AI Sires	Total Rams	%
Texel	447	17063	2.6%
Suffolk	215	8126	2.6%
Charollais	151	5541	2.7%
Blue Faced Leicester	91	4204	2.2%
Welsh Mountain	78	3401	2.3%
Blackface	66	3996	1.7%
Lleyn	52	2187	2.4%
Swaledale	43	1692	2.5%
Beltex	41	1475	2.8%
Berrichon du Cher	26	222	11.7%
Romney Marsh	22	576	3.8%
Cheviot Hill	14	1696	0.8%
Greyfaced Dartmoor	14	66	21.2%
Beulah	12	306	3.9%
South Welsh Mountain	11	113	9.7%
Cheviot unspecified	10	1190	0.8%
Highlander	10	197	5.1%

What proportion “have EBVS”?

- Out of the total sires – about 11% were reported as “have EBVs”
- How well is this reported?
- Interesting “False positives” arose
 - *These rams with EBVs were all reported...*

Swaledale	17	Clun	6
Shetland	1	Badger Faced	1
Jacob	3	Llanwenog	1
Ryeland	1	Wensleydale	1
Rough Fell	1	British Milkshopeep	5
Black Welsh Mountain	1	Norwegian white	3

Proportion that “have EBVs”

Breed or Crossbred	Total Rams	Total "have EBVs"	Proportion
Texel	17063	1953	11.4%
Suffolk	8126	1152	14.2%
Charollais	5541	815	14.7%
Blue Faced Leicester	4204	109	2.6%
Blackface	3996	114	2.9%
Welsh Mountain	3401	55	1.6%
Lleyn	2187	597	27.3%
Cheviot Hill	1696	40	2.4%
Swaledale	1692	17	1.0%
Beltex	1475	97	6.6%
Cheviot unspecified	1190	66	5.5%
Easycare	772	72	9.3%
Romney Marsh	576	144	25.0%
Texel X Unknown	573	2	0.3%
Meatlinc	455	364	80.0%
Poll Dorset	429	95	22.1%
Texel X Beltex	384	6	1.6%
Hampshire Down	380	212	55.8%
Unknown	360	10	2.8%
Hardy Speckle	329	2	0.6%
Southdown	325	130	40.0%

What is the true picture?

	Total Rams	Total "have EBVs"	Proportion reported	Reality
Meatlinc	455	364	80.0%	100%
Highlander	197	94	47.7%	??
Innovis Composite	104	71	68.3%	100%
Primera	83	38	45.8%	??
Exlana	49	41	83.7%	100%

	Total Rams	Total "have EBVs"	Proportion reported	Reality
Texel	17063	1953	11.4%	BASCO - EBVs for everything
Suffolk	8126	1152	14.2%	BASCO - EBVs for everything
Hampshire Down	380	212	55.8%	BASCO - EBVs for everything

What % record?

Yesterday “about 10%” terminal sires recorded....

.....20% SF / TX & 40% HD have weights

.....~30-40% CH based on birth notifications

Do you use EBVs to select breeding stock?

30% - sometimes (incl. 6% always)

70% - never

Thank goodness for the Barbados Blackbelly

One reported

One with EBVs

Breed = 100% performance recorded

Mission accomplished!

Summary

- A quarter of rams are homebred
- Texel breed is still dominant
 - Beltex and Lleyrn on the rise
 - Suffolk have lost 58% of market share in 16 years
- Crossbred rams account for 5% of sires
 - Mostly terminal sires with a bit of Beltex
- Awareness of EBVs appears under reported

	PURE	CROSSBRED
	Number of Rams	Number of Rams
Texel	17063	1300
Suffolk	8126	372
Charollais	5541	408
Blue Faced Leicester	4204	15
Blackface	3996	39
Welsh Mountain	3401	27
Lleyn	2187	40
Beltex	1475	644
Cheviot Hill	1696	19
Swaledale	1692	
Cheviot unspec'	1190	10
Easycare	772	6
Romney Marsh	576	6
Meatlinc	455	2
Poll Dorset	429	9
Hampshire Down	380	4
Unknown	360	
Crossbred	317	41
Hardy Speckle	329	
Southdown	325	

	PURE	CROSSBRED
	Number of Rams	Number of Rams
Cheviot - South Country	323	
Herdwick	313	
Beulah	306	1
Dorset Down	262	1
Border Leicester	240	4
Berrichon du Cher	222	2
Romney	205	
Highlander	197	
Shetland	163	
Zwartbles	162	
Jacob	154	
Wiltshire Horn	149	
Ryeland	139	
Lonk	130	
Dutch Texel	107	9
Kerry Hill	115	1
Teeswater	115	1
South Welsh Mountain	113	
Innovis Composite	104	4