

**2000 REPRODUCTIVE PERFORMANCE
OF THE
SPOONER AGRICULTURAL RESEARCH STATION FLOCK**

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Table 1: 2000 Reproductive performance of ewe lambs bred to East Friesian or Lacaune rams.

Dam	Ewe Lambs				
	1/2 EF		1/2 Lacaune		3/4 + EF
Sire	EF	Lacaune	EF	Lacaune	EF
At breeding	23	10	10	24	23
At lambing	22	10	10	23	23
Aborted	0	0	0	0	1
Lambled	22	9	10	23	22
Lambs born	34	13	12	38	39
Birth wt.	(34) 10.45	(13) 9.5	(11) 10.3	(38) 9.7	(39) 9.0
30 d. wt.	(27) 31.7	(12) 30.1	(10) 31.6	(33) 29.0	(22) 27.7
# dead before 60 days	11	2	1	9	19
Fertility	100%	90%	100%	100%	100%
Litter size	1.55	1.44	1.1	1.65	1.77
Survival rate to 30 days	79%	92%	91%	86.8%	56%
Survival rate to 60 days	67.6%	84.5%	91%	76.3%	51.2%

1. Ewe lambs born between February and April 1999.
2. Natural breeding between November 1 and January 2.
3. Lamb mortality includes all lambs born dead or alive.
4. Weaning of all lambs at 30 days of age.

Table 2: 2000 Reproductive performance of ewes artificially inseminated with either British Suffolk, American Suffolk, East Friesian, or Lacaune semen.

	1/4 EF	3/8 EF	1/2 EF	3/4 EF
# at breeding	58	29	102	10
# at lambing	55	28	99	10
# aborted	0	0	0	0
# lambed	51	25	98	10
# lambs born	118	51	201	21
# lambs dead	14	2	24	3
Suffolk sired lambs				
Birth wt.	(78) 12.1	12.2	(146) 11.7	(15) 12.1
30 day wt.	(70) 33.9	35.8	(136) 33.2	(13) 35.5
East Friesian sired lambs				
Birth wt.	(9) 11.9	(3) 11.3	(16) 10.9	
30 day wt.	(9) 34.6	(2) 31.5	(14) 33.0	
Lacaune sired lambs				
Birth wt.	(19) 9.5	(8) 12.0	(27) 10.7	(5) 11.0
30 day wt.	(13) 27.9	(8) 33.3	(25) 30.1	(4) 30.7
Texel sired lambs				
Birth wt.	(9) 11.1	(2) 12.6	(16) 10.2	(1) 14.5
30 day wt.	(9) 31.0	----	(8) 30.2	(1) 42.7
Fertility				
Fertility	92.7%	89.3%	99.0%	100%
Litter size				
Litter size	2.31	2.04	2.05	2.10
Lamb survival				
Lamb survival	88.1%	96.1%	88.1%	85.7%
# lambs weaned/ewes present at lambing				
# lambs weaned/ewes present at lambing	1.89	1.75	1.79	1.80

1. Ewes AI'd on 9/15, 9/23, 9/27, 10/1. Clean up mating with live Suffolk rams on 10/11. Clean up with Texel rams from Oct. 25 to Dec. 2.
2. Lamb mortality includes all lambs born dead or alive.
3. All lambs raised on milk replacer and weaned at 30 days.

Table 3: 2000 Reproductive performance of naturally mated commercial ewes with East Friesian or Lacaune rams.

Sire	Lacaune	EF	Suffolk	Texel
# at breeding	20	18	11	1
# at lambing	20	18	11	1
# aborted	0	0	0	0
# lambed	19	17	11	1
# lambs born	45	50	20	2
# lambs dead before weaning	3	12	1	2
Birth wt. of males	(17) 10.7	(23) 9.7	(7) 11.7	
Birth wt. of females	(28) 98.4	(27) 8.9	(13) 11.1	(2) 12.3
60 day wt. of males	(16) 57.7	(17) 55.0	(7) 62.7	
60 day wt. of females	(26) 48.5	(21) 46.5	(12) 53.3	
Fertility	95%	94%	100%	100%
Litter size	2.37	2.94	1.81	2.00
Survival rate	93.4%	76%	95%	100%
# lambs weaned/ewe present at weaning	2.1	2.1	1.72	2.0

1. Mating from Oct. 25 to Dec. 2
2. Commercial ewes are: 1/2 Dorset, 1/4 Romanov, 1/4 Targhee
1/2 Dorset, 1/4 Finn, 1/4 Targhee
1/2 Dorset, 1/2 Polipay
3. Lamb mortality includes all lambs born dead or alive.
4. All lambs weaned at 60 days.