

TABLE XXI.  
Pregnancy Data.

Group and Cow No.	Age at First Service.		FIRST PREGNANCY.					Period from Calving to First Oestrus. (Days.)	SECOND PREGNANCY.				
	Yrs.	Mts.	Number of Services.	Result of Pregnancy.	Gestation Period. (Days.)	Sex of Calf.	Birth Weight of Calf. (lb.)		Number of Services.	Result of Pregnancy.	Gestation Period. (Days.)	Sex of Calf.	Birth Weight of Calf. (lb.)
A.													
6292	5	8.2	11	Abn.	152	—	—	3	3	Abn.	40	—	—
6423	5	—	1	Abn.	232	—	—	24	4	Abn.	97	—	—
6452	5	—	3	Abn.	113	—	—	3	8	Cvd.	291	F	52.0
7045	5	—	6	Cvd.	282	F	64.5	89	1	Cvd.	287	F	83.0
7157	5	0.5	4	Cvd.	265	F	54.0	65	—	—	—	—	—
7189	5	0.3	1	Cvd.	277	M	40.6	34	4	(Slaughtered).	—	—	—
7269	5	—	4	Cvd.	281	M	61.5	132	1	Abn.	123	—	—
B.													
7271	4	6.0	3	Cvd.	290	M	56.0	108	—	—	—	—	—
7276	4	5.3	4	Cvd.	287	M	64.0	68	1	Cvd.	276	F	75.5
7378	4	0.4	5	Cvd.	283	M	77.0	90	1	Cvd.	280	M	92.5
7385	4	0.7	8	(Slaughtered).	94	—	—	—	7	Abn.	80	—	—
7401	4	0.6	4	Abn.	94	—	—	1	7	Abn.	80	—	—
7471	4	0.2	6	Cvd.	286	M	72.5	25	7	(Slaughtered).	—	—	—

Abn. = Abortion. Cvd. = Calved.

347-348b →

TABLE XXI (cont.)  
Pregnancy Data

Period from Calving to First Oestrus. (Days.)	THIRD PREGNANCY.					Period from Calving to First Oestrus. (Days.)	FOURTH PREGNANCY.					Period from Calving to First Oestrus. (Days.)
	Number of Services.	Result of Pregnancy.	Gestation Period. (Days.)	Sex of Calf.	Birth Weight of Calf. (lb.)		Number of Services.	Result of Pregnancy.	Gestation Period. (Days.)	Sex of Calf.	Birth Weight of Calf. (lb.)	
1	6	Cvd.	261	M	81.5	188	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—	—	—	—	—
30	1	Cvd.	283	M	64.5	99	1	Cvd.	264	{ F	{ 34.0	43
94	2	(Slaughtered).	—	—	—	—	—	—	—	{ F	{ 32.0	—
—	—	—	—	—	—	—	—	—	—	—	—	—
1	1	Cvd.	267	M	49.0	169	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
59	1	(Slaughtered).	—	—	—	—	—	—	—	—	—	—
65	1	Cvd.	283	F	77.5	59	—	—	—	—	—	—
2	3	Cvd.	278	F.	49.0	163	—	—	—	—	—	—

Cvd. = Calved.

← 347-348a

347-348b

TABLE XXII.

*Pregnancy Data, (Continued.)*

Pregnancy.	Group.	Average No. of Services.	Result.				Total.
			Abortions.	Still- Births.	Normal, Calf.	Slaught. Pregn.	
First.....	A	4.3	3	1	3	—	76
	B	5	1	1	3	1	
	A & B	4.6	4	2	6	1	13
Second.....	A	3.5	3	1	1	1	6
	B	4.0	1	—	2	1	
	A & B	3.7	4	1	3	2	10
Third.....	A	2.5	—	—	3	1	4
	B	1.7	—	—	2	1	
	A & B	2.1	—	—	5	2	7
Fourth.....	A	1	—	1	—	—	1
	B	—	—	—	—	—	
	A & B	1	—	1	—	—	1
All Pregnancies..	A	3.4	6	3	7	2	18
	B	3.9	2	1	7	3	
	A & B	3.6	8	4	14	5	31

INFLUENCE OF DELAYED BREEDING ON FERTILITY OF BEEF HEIFERS.

TABLE XXIII.  
*Gestation Periods.*

Group.	1st Pregnancies.				2nd Pregnancies.			
	Abortions.		Calvings.		Abortions.		Calvings.	
	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)
A	113—232	166	265—282	276·3	40—123	86·7	287—291	289·0
B	94	94	283—290	286·5	80	80	276—280	278·0
A+B	94—232	148	265—290	281·4	40—123	85·0	276—291	283·5

Group.	3rd Pregnancies.				4th Pregnancies.			
	Abortions.		Calvings.		Abortions.		Calvings.	
	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)
A	—	—	261—283	270·3	—	—	264	264
B	—	—	278—283	280·5	—	—	—	—
A+B	—	—	261—283	274·4	—	—	264	264

Group.	All Pregnancies.			
	Abortions.		Calvings.	
	Range. (Days.)	Average. (Days.)	Range. (Days.)	Average. (Days.)
A	40—232	126·1	261—291	275·8
B	80—94	87·0	276—290	282·9
A+B	40—232	116·4	261—291	278·8

TABLE XXIV  
*Measurements and Weight of Genitalia*

Sex Condition.	D.O.B. No.	Body Wgt.		Vulva.		Vagina.	
		Live KG.	Dres- sed KG.	L. Cm.	W. Cm.	L. Cm.	W. Cm.
Nymphomania...	6362	670	414	7.5	6.5	25.0	6.0
	6363	734	455	6.0	7.5	25.0	8.0
	6423	710	450	10.6	12.0	21.0	8.5
	6495	715	469	9.0	7.0	19.0	7.0
	6496	663	431	12.0	9.0	23.0	6.5
	7157	694	447	8.0	8.0	25.0	6.0
	7346	718	444	11.0	8.0	22.0	7.0
	7355	595	341	13.0	10.0	21.0	9.0
Average....	.....	687	431	9.6	8.5	22.6	7.3
Nymphomania with Hydrometra	7172	659	400	12.0	8.0	24.0	4.5
	7277	657	445	10.0	9.0	27.0	5.5
	7470	614	391	11.0	9.0	25.0	8.0
Average.....	.....	643	412	11.0	8.7	25.3	6.0
Functional Steri- lity.	6358	723	485	9.0	7.0	23.0	5.5
	6442	705	441	9.0	7.0	19.0	4.0
	7469	660	419	11.0	7.0	21.0	4.5
Average....	.....	696	448	9.7	7.0	21.0	4.7
Fertile, Non- Pregnant.	6292	541	314	11.0	10.0	23.0	5.0
	6452	478	269	10.0	7.0	22.0	5.0
	7269	660	396	10.0	10.0	30.0	7.0
	7271	587	360	11.0	9.0	22.0	6.0
	7378	585	328	12.0	10.0	28.0	5.0
	7401	634	360	10.0	10.0	25.0	5.0
	Average....	.....	581	338	10.7	9.3	25.0
Pregnant. 183 days..... 198 days..... 239 days..... 26 days..... 184 days.....	7045	605	360	14.0	12.0	24.0	5.0
	7189	710	414	12.0	10.0	25.0	5.0
	7276	598	337	11.0	9.0	24.0	6.0
	7385	619	369	12.0	9.0	22.0	4.5
	7471	641	400	13.0	10.0	30.0	6.0
Average....	.....	635	376	12.4	10.0	25.0	5.3

351-352b →

351-352a

TABLE XXIV.  
Measurements and Weights of Genitalia.

Cervix.		Uterus.								
L. Cm.	W. Cm.	Body.			L. Horn.			R. Horn.		
		L. Cm.	W. Cm.	Th. of Wall. Cm.	L. Cm.	W. Cm.	Th. of Wall. Cm.	L. Cm.	W. Cm.	Th. of Wall. Cm.
7.5	2.7	2.0	4.0	0.7	19.0	3.0	0.6	17.0	3.0	0.5
8.5	3.8	2.5	5.5	0.8	26.0	4.0	0.4	24.0	4.0	0.3
10.0	4.0	1.5	5.0	1.0	19.5	3.0	0.7	18.0	3.3	0.8
8.0	4.0	1.5	4.0	0.5	15.0	2.5	0.3	16.0	2.3	0.4
10.0	4.5	3.5	4.5	0.6	16.5	3.5	0.8	18.0	3.5	0.8
9.0	4.0	2.0	4.0	0.9	26.0	4.0	0.8	28.0	4.0	0.8
8.5	5.0	—	—	—	22.0	4.0	0.5	23.0	4.0	0.3
9.0	3.5	2.5	3.0	1.0	24.0	2.3	0.4	22.0	1.7	0.6
8.8	3.9	2.2	4.3	0.79	21.0	3.3	0.56	20.8	3.2	0.56
8.0	3.0	3.5	7.5	0.2	33.0	5.0	0.2	31.0	4.5	0.2
7.5	3.5	5.0	9.5	0.3	73.0	9.5	0.15	56.0	9.5	0.2
8.0	3.5	3.0	7.0	0.3	45.0	9.5	0.5	45.0	10.5	0.1
7.8	3.3	3.8	8.0	0.27	50.3	8.0	0.28	44.0	8.2	0.17
9.0	3.5	2.5	4.0	0.6	18.0	3.0	0.7	19.0	3.0	0.7
12.5	3.5	3.0	4.0	0.8	18.0	3.0	0.6	17.0	4.0	0.7
8.5	3.5	2.0	5.0	0.8	18.0	3.5	0.6	19.0	3.5	0.6
10.0	3.5	2.5	4.3	0.73	18.0	3.2	0.63	18.3	3.5	0.67
10.0	5.0	2.0	4.0	1.0	22.0	4.5	0.9	24.0	5.0	0.8
11.0	4.0	2.5	5.0	1.0	27.0	4.0	1.0	27.0	4.0	1.0
13.0	5.0	2.5	5.0	1.0	29.0	4.0	0.8	28.0	4.0	0.8
11.0	4.0	2.0	5.0	1.0	25.0	4.0	0.5	25.0	5.0	0.5
14.0	5.0	2.5	4.0	1.0	25.0	4.0	1.0	28.0	4.0	1.0
10.0	3.5	2.0	3.5	0.8	22.0	3.5	0.8	19.0	3.0	0.8
11.5	4.4	2.3	4.4	0.97	25.0	4.0	0.83	25.2	4.2	0.82
19.0	7.0	—	—	—	—	—	—	—	—	—
13.0	5.5	—	—	—	—	—	—	—	—	—
20.0	6.0	—	—	—	—	—	—	—	—	—
8.5	3.0	3.0	4.0	0.8	20.0	3.0	0.7	20.0	3.5	0.8
17.0	5.0	—	—	—	—	—	—	—	—	—
15.5	5.3	—	—	—	—	—	—	—	—	—

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351-352c →

351-352b

TABLE XXV  
Measurements and Weight of Endocrines

Sex Condition.	D.O.B. No.	Body Wgt.		Hypophysis.							
		Live KG.	Dressed. KG.	L. Cm.	B. Cm.	W. Cm.	Wgt. Gm.	Ant. Lobe. Diff. Count.			
								A.	B.	C.	
Nymphomania...	6362	670	414	2.0	1.9	1.5	3.0	65.3	3.8	30.9	
	6363	734	455	2.5	1.7	1.4	3.2	59.2	3.9	36.9	
	6423	718	450	2.4	1.4	1.3	2.2	62.5	3.0	34.5	
	6495	715	469	2.2	1.4	1.2	2.3	65.0	2.2	32.8	
	6496	663	431	2.3	1.4	1.1	2.3	51.1	5.6	43.3	
	7157	694	447	2.3	1.6	1.4	2.7	48.4	8.3	43.3	
	7172	659	400	2.2	1.2	1.2	2.1	59.0	1.5	39.5	
	7277	657	445	2.5	1.5	1.1	2.5	46.4	2.3	51.3	
	7346	718	444	2.0	1.6	1.5	2.5	55.3	6.6	38.1	
	7355	595	341	2.3	1.2	0.9	2.0	55.5	2.7	41.8	
	7470	614	391	2.2	1.4	1.3	2.2	61.5	0.8	37.7	
Average.....	.....	675	426	2.26	1.48	1.26	2.45	57.2	3.7	39.1	
Functional Sterility	6358	723	485	2.0	1.5	1.4	2.7	57.2	8.4	37.4	
	7469	660	419	2.0	1.3	1.0	1.5	46.3	10.3	43.5	
	6442	705	441	2.3	1.2	1.1	1.9	57.8	11.0	31.2	
Average.....	.....	696	448	2.1	1.33	1.17	2.03	52.8	9.9	37.3	
Fertile Non-Pregnant.	6292	541	314	2.5	1.2	1.3	2.2	34.1	11.4	57.5	
	6452	478	269	2.3	1.4	1.2	2.3	34.1	15.1	50.8	
	7269	669	396	2.0	1.4	1.2	2.0	41.9	19.6	38.5	
	7271	587	360	2.2	1.0	1.0	1.6	39.3	14.3	46.4	
	7378	585	328	2.5	1.2	1.2	2.2	35.1	15.6	49.3	
	7401	634	360	2.0	1.2	0.9	1.4	55.6	11.5	32.9	
Average.....	.....	581	338	2.25	1.23	1.13	1.95	40.0	14.6	45.4	
Pregnant.	183 days.....	7045	605	360	2.2	1.1	1.0	1.7	58.2	9.7	32.8
	198 days.....	7189	710	414	2.0	1.3	1.1	1.7	44.3	10.2	45.5
	239 days.....	7276	598	337	2.0	1.2	1.2	1.7	52.0	12.1	35.9
	26 days.....	7385	619	369	2.3	1.2	1.1	2.0	41.6	12.2	46.2
	184 days.....	7471	641	400	2.2	1.2	1.2	1.9	42.2	12.6	45.2
Average.....	.....	635	376	2.14	1.2	1.12	1.80	47.7	11.2	41.1	

353-354b →

353-354a

TABLE XXV.(cont.)

## Measurements and Weights of Endocrines.

Epiphysis.				Thyroid.							
L. Cm.	B. Cm.	W. Cm.	Wgt. Gm.	L. Lobe.			R. Lobe.			Including Isthmus.	
				L. Cm.	B. Cm.	W. Cm.	L. Cm.	B. Cm.	W. Cm.	L. Cm.	Wgt. Gm.
1.2	0.6	0.6	0.2	4.5	4.0	1.0	4.5	4.5	1.0	19	26.5
1.7	0.4	0.4	0.2	5.5	4.0	1.5	5.5	4.0	1.0	23	31.0
1.3	0.5	0.4	0.2	5.5	4.0	1.2	5.0	4.5	1.1	22	30.0
1.8	0.5	0.5	0.4	5.0	4.5	1.0	5.0	4.0	1.0	20	29.5
1.4	0.6	0.6	0.2	5.5	4.0	1.0	5.0	3.8	0.9	25	25.0
1.5	0.7	0.7	0.25	5.0	4.0	1.0	6.0	4.0	1.0	21	34.0
1.5	0.6	0.6	0.4	5.0	4.0	1.1	5.0	4.5	0.9	22	27.0
1.2	0.7	0.7	0.3	5.0	3.8	1.0	5.0	3.5	0.9	23	24.5
2.0	0.6	0.6	0.3	6.0	4.0	0.6	5.0	4.5	0.5	24	27.0
1.4	0.5	0.7	0.4	5.5	4.0	1.0	5.0	4.0	0.9	23	29.0
1.6	0.5	0.5	0.3	6.0	4.0	0.9	5.0	4.0	0.8	21	24.0
1.51	0.56	0.57	0.29	5.32	4.03	1.03	5.09	4.12	0.91	22.09	27.95
1.3	0.6	0.6	0.3	6.0	4.0	1.0	6.0	5.0	1.0	18	30.0
1.6	0.6	0.6	0.3	5.0	4.0	0.8	5.0	3.5	0.6	24	28.0
1.5	0.6	0.5	0.3	5.5	5.0	1.0	6.0	5.0	1.0	20	40.0
1.47	0.6	0.57	0.30	5.5	4.33	0.93	5.67	4.50	0.87	20.67	32.67
1.5	0.7	0.5	0.2	7.0	5.0	1.5	6.0	4.5	1.0	20	44.0
1.3	0.6	0.6	0.2	6.0	4.0	1.8	6.0	4.0	1.5	19	30.0
1.5	0.6	0.6	0.3	6.0	4.0	1.0	6.0	4.0	1.0	22	33.0
1.5	0.7	0.5	0.3	4.5	4.5	1.0	4.5	4.0	0.7	18	29.0
1.3	0.5	0.4	0.2	6.0	4.0	1.0	6.0	5.0	1.0	20	32.0
1.5	0.5	0.5	0.25	5.0	3.0	1.0	4.5	2.5	1.0	19	21.0
1.43	0.6	0.52	0.24	5.57	4.08	1.22	5.5	4.0	1.03	19.67	31.5
1.5	0.5	0.4	0.2	6.0	4.0	1.5	6.0	5.0	1.2	22	35.0
1.5	0.6	0.6	0.3	5.0	4.5	1.0	4.5	4.0	1.0	19	23.0
1.5	0.4	0.4	0.2	4.0	4.0	1.0	5.0	4.0	1.0	19	27.0
1.4	0.7	0.6	0.3	5.5	4.0	1.1	5.0	4.0	1.0	20	23.0
1.2	0.7	0.4	0.2	6.0	5.0	0.8	6.0	5.0	1.0	19	27.0
1.42	0.58	0.48	0.24	5.30	4.30	1.08	5.30	4.40	1.04	19.80	27.0

← 353-354a

353-354b

353-354c →



TABLE XXV (cont.)  
*Measurements and Weight of Endocrines*

Adrenals.							
Left.				Right.			
L. Cm.	B. Cm.	W. Cm.	Wgt. Gm.	L. Cm.	B. Cm.	W. Cm.	Wgt. Gm.
6.0	3.8	1.8	18.1	3.5	3.7	2.2	16.0
6.5	4.5	1.8	22.5	5.5	4.2	3.0	20.2
5.0	4.0	1.5	14.8	4.5	3.3	2.3	12.5
5.0	3.5	1.4	14.0	4.0	3.5	2.2	13.0
5.2	3.2	1.4	12.3	5.0	2.8	1.8	10.0
6.0	4.0	1.5	12.5	5.5	3.0	1.2	10.0
6.0	4.0	1.2	18.0	5.5	3.5	2.6	15.9
5.5	3.8	1.3	12.2	3.2	4.5	2.0	12.0
6.0	3.7	1.5	16.0	5.5	3.3	2.3	16.0
5.8	3.9	1.3	19.5	4.8	4.0	2.5	18.6
6.0	3.0	1.4	14.5	4.3	3.7	2.0	13.2
5.73	3.76	1.46	15.85	4.66	3.61	2.19	14.31
4.5	3.3	1.0	9.5	3.4	3.5	2.0	9.2
5.5	4.3	1.1	11.0	5.0	3.0	2.0	10.0
5.0	3.5	1.1	10.0	5.0	3.2	1.8	9.0
5.0	3.7	1.07	10.17	4.47	3.23	1.93	9.4
5.5	3.5	2.0	17.0	5.0	3.5	3.0	15.0
6.5	3.0	1.5	13.0	5.0	3.5	1.7	14.0
6.0	4.0	1.3	14.0	5.5	3.5	2.0	13.0
6.0	3.5	1.5	15.0	4.0	3.5	2.3	14.5
6.0	3.0	1.5	13.0	4.5	3.0	1.8	11.0
5.0	4.0	1.3	11.0	5.0	3.5	2.0	13.5
5.8	3.5	1.52	13.83	4.83	3.42	2.13	13.5
6.0	3.5	1.1	12.0	6.0	3.0	2.0	12.0
6.0	4.0	1.3	15.0	4.5	3.5	2.5	12.5
5.2	3.5	1.5	11.0	4.5	3.0	2.0	9.0
6.0	3.8	1.8	15.0	5.0	3.7	2.4	15.0
5.5	4.0	1.5	12.0	4.5	3.5	2.0	11.0
5.74	3.76	1.44	13.0	4.9	3.34	2.18	11.9

← 353-354b

353-354c