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94 48 (39 9)

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2010/10/1 ‒ 2010/1/1

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0.883 108.38 116.18

. (p<0.05)

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(p<0.05)

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. (p<0.05).

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Peana   (2001)   .

(2008)   (2007)

(1997)   Al-Azzawi   (1996)

Al-Samrai   .

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(General Linear Model-GLM) (2004) SAS

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$$Y_{ijklmn} = \mu + B_i + A_j + T_k + S_l + Hm + Wn + Mo + e_{ijklmnop}$$

:

l k j i p Y_{ijklmn}:

m n o.

μ: .

B_i: ( ) .

A_j: (3 4) .

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T_k: (   ).

S_l: (   ).

Hm: (   ).

Wn: (50   50-60   60   ).

Mo: (   ).

$e_{ijklmnop}$: σ^2.

:

0.883   108.38

116.18   .   (1)   (P<0.05)

0.26 ± 0.97)   0.72 ±

0.28   (34.75 ± 131.92   27.16 ± 58.38)   (2).

)

(.

:

(1   )   (p<0.01)

0.32 ± 0.86)   (41.45 ± 109.37   (116. ± 13.56   (
0.27 ± 0.84   81.93

34.49 ±   16.30 ± 86.20   (2).

(1992

1999   .(2008

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(1)

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(Al-Azzawi 1997)

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:

(p< 0.05)

(0.96 ± 0.16   0.74 ± 0.13   )

(107.82 ± 21.25   90.48 ± 20.84   )

100.89 ± 8.36   101.82 ± 6.50

(1   2).   (1996)

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(1)

(2)

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(p<0.05)

(1)   50-60

0.99 ± 0.21   108.26 ± 26.92   115.33 ±

10.59   (50

(60-50)   .(60   )   (

50   )

(   )   60   ).

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مصادر التباين	درجات الحرية	متوسط المربعات		
		أنتاج الحليب اليومي	أنتاج الحليب الكلي	طول موسم الحليب
السلالة	1	0.55752 *	4739.722 *	Ns6.4939
عمر الام	1	0.727490 **	5864.870 **	7158.020 **
نوع الولادة	1	Ns 0.121164	Ns 835.814	Ns 64.440
جنس المولود	1	0.501729 *	5842.493 *	Ns 8.596
حالة الولادة	1	Ns 0.073775	Ns 243.813	Ns 478.819
وزن الام عند الولادة	2	0.240711 *	5196.891 *	1861.202 *
شهر الولادة	1	Ns 0.027887	Ns 357.637	Ns 31.519
الخطأالتجريبي	39	0.022075	369.694	571.487

Ns : غير معنوي .   * : (P < 0.05)   ** : (P < 0.01)

2. ± .

طول موسم الحليب(يوم)	المتوسط ± الخطأ القياسي		عدد المشاهدات	العوامل المؤثرة
	أنتاج الحليب الكلي (كغم)	أنتاج الحليب اليومي (كغم)		
6.94 ± 116.18	18.29 ± 108.38	0.16 ± 0.88	94	المتوسط العام
				السلالة
a 13.66 ± 100.01	a 34.75 ± 131.92	a 0.26 ± 0.97	76	-عواسي محلي
a 14.61 ± 102.69	b 27.16 ± 58.38	b 0.28 ± 0.72	18	-عواسي تركي
				عمر الام (سنة)
b 16.30 ± 86.20	b 34.49 ± 81.93	b 0.27 ± 0.84	78	4
a 13.56 ± .116	a 41.45 ± 109.37	a 0.32 ± 0.86	16	5
				نوع الولادة
a 8.19 ± 99.92	a 20.84 ± 90.48	a 0.16 ± 0.79	38	فردية
a 7.25 ± 102.79	a 18.43 ± 100.82	a 0.14 ± 0.91	56	توأمية
				جنس المولود
a 6.50 ± 101.82	b 16.52 ± 83.48	b 0.13 ± 0.74	52	ذكور
a 8.36 ± 100.89	a 21.25 ± 107.82	a 0.16 ± 0.96	42	أناث
				حالة الولادة
a 6.01 ± 105.74	a 24.54 ± 98.78	a 0.19 ± 0.91	76	طبيعية
a 9.65 ± 96.96	a 15.27 ± 92.52	a 0.12 ± 0.80	8	عسرة
				وزن الام عند الولادة
b 7.35 ± 91.25	b 18.70 ± 66.45	b 0.14 ± 0.66	30	أقل من 50 كغم
b 10.59 ± 115.33	a 26.92 ± 108.26	a 0.21 ± 0.99	24	50-60 كغم
a 8.80 ± 97.48	a 22.38 ± 112.24	a 0.17 ± 0.90	40	أكثر من 60 كغم
				شهر الولادة
a 7.93 ± 100.47	a 20.17 ± 96.59	a 0.16 ± 0.88	32	- كانون الثاني
a 6.93 ± 102.23	a 17.69 ± 94.71	a 0.14 ± 0.82	62	- شباط

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SOME FACTORS EFFECT IN MILK PRODUCTI0ON

AND LACTATION PERIOD I N LOCAL AWASSI

AND TURKISH SHEEP

Abd-Al-Noor , M.J. M

Technical Institute / Al-Souerah- Foundation of Technical Education

ABSTRACT

This study was carried out at the Sheep and Goat Research Station, State Board for Agricultural Research (20 km west of Baghdad), and over period from 1/1/2010 to 1/10/2010 using 94 records produced by 48 ewe (39 Local Awassi , 9 Turkish Awassi sheep) were analyzed statistically. The aim of the investigate the study of some factors effect in some production traits (yield milk production-YMP , total milk production –TMP and lactation period- LP)

The overall mean for the YMP , TMP and LP 0.883 kg , 108.38 kg and 116.18 kg respectively. Breed were significantly effect ($p < 0.05$) in YMP and LP (advantage in Local Awassi compare with Turkish Awassi), but No significant effect have been noted in LP. Age of dam had highly significant effect ($p < 0.01$) in YMP , TMP and LP. The sex of lamb was significantly effect in YMP and TMP. Type of birth , state of parturition and month of parturition no significant effect in production traits in this study (YMP , TMP and LP). Weight of dam significantly effect ($p < 0.05$) in YMP , TMP and LP.