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(Test day)

(a) (b) (c)

(Peak Time) (Peak Yield) (Persistency)

(Milk2x)

c b a

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a (P< /)

(P< /) c

(P< /) b (P< /) c a

(P> /)

(P< /) b (P< /) c

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(Borghese, 2005)

(Naderfard, 1997)

(Naderfard, 1997)

(a)

(c)

(b)

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(Borghese, 2005)

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|---|---|---|---|--|------|
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(Moradi Shahrababak,

.2001)

(Landete-Castillejos & Gallego,

.2000)

(Val-Arreola et al., 2004)

(1927) Gaines (1923) Brody et al.

Dhanao (1987) Cobby & LeDu (1967) Wood

Wilmink (1984) Ferrell & Jenkins (1981)

(1988) Koops & Grossman (1987)

(Batra et al.,

.1987; Blanco et al., 2000; Tozer & Huffaker, 1999)

توجه به فرمول ۴ انتظار این است که تولید اوج در حیوانات دارای افزایش تولید زیاد (b بزرگتر) و تداوم شیردهی بیشتر (c کوچکتر) بالاتر باشد (Ferris et al., 1985).

b c

c b

c (Tekerli et al., 2000)

b
 (Fernández et al., 2002; Osorio-Arce & Segura-Correa, 2005)

($t=$)

($y=$)

(Pollott & Gootwine, 2000; Rekik et al., 2003; Tekerli et al., 2000, Val-Arreola et al., 2004; Varona et al., 1998)

$$y = at^b e^{-ct} \quad ($$

() : t

(Kg) : a

() : b

() : c

(Convergence)

SAS (GLM)

) III

(

(Ruiz et al., 2000)

()

$$\ln y = \ln a + b \ln t - ct \quad ($$

t y

$$\frac{b}{c}$$

$$S = -(b+1) \ln c \quad ($$

$$y_{\max} = a \left(\frac{b}{c}\right)^b \exp^{-b} \quad ($$

$$Y_{ijkl} = Herd_i + Year_j + Season_k + Lactation_l + bAge + e_{ijkl} \quad ($$

$$= Y_{ijkl}$$

$Herd_i$ = اثر i امین گله ($i = 1 - 743$)

$Year_j$ = اثر j امین سال زایش ($j = 1 - 13$)

$Season_k$ ($k = -$)

$Season_k$ ($k = -$)

$Lactation_l$ ($l = -$)

() = Age

$$= e_{ijkl}$$

از توابع شماره ۱ و ۲ و خصوصیات آن در بررسی‌های

مختلفی استفاده شده است (Ferris et al., 1985; Grossman & Koops, 1987; Kaygisiz, 1999b; Osorio-Arce & Segura-Correa, 2005; Rekik et al., 2003; Shanks et al., 1981; Tekerli et al., 2000)

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(1999a) Kaygisiz

Harding &

c b a

(1998) Rasali

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(Kaygisiz, 1999a)

Afyon

Kaygisiz

(1981) Schneeberger

(1998) Harding & Rasali (1999a)

(1998) Chhikara et al. (1998) Rodriguez et al. (1981) Shanks et al.
(1999b) Kaygisiz

(Blanco et al.,
2000; Kaygisiz, 1999b; Rodriguez et al., 1998;
.Schneeberger, 1981; Shanks et al., 1981)

a (1999a) Kaygisiz

(2001) Akpa et al. ($P < /$)

($P < /$) *c a*

c b a)
(
($P < /$)
(1994) Mourad & Metry

(1998) Chhikara et al. .

(Murrah)
(1998) Harding & Rasali

Tekerli et al. . (2000) *c b* ($P < /$) *a*
($P < /$)
(1999a) Kaygisiz .

($P < /$) *a* ($P < /$)

Osorio- .

(2005) Segura-Correa & Arce)
(Interaction) ()
.(Osorio-Arce & Segura-Correa, 2005)

c a
($P < /$)

b
(1994) Mourad & Metry

c b a)

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(1994) Mourad & Metry

(2001) Akpa et al.

(2000) Tekerli et al.

(1998) Harding & Rasali

(1998) Chhikara et al.

(2005) Osorio-Arce

Varona et al.

(2000) Tekerli et al. (1998)

Tekerli et al. (1998) Chhikara et al.

($P < /$)

c a
($P < /$)

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a

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a

c b (P < /)

(P < /)

a

a

b

(1998) Chhikara et al.

b

c

c

Segura-Correa &

c

(2005) Osorio-Arce

($P < /$) b ($P < /$) c

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/ ± / c
/ ± /

Varona et al.

(2000) Tekerli et al.

(1998)

Tekerli et al. (1998) Chhikara et al.

(2003) Rekik et al. (2000)

($P < /$)

($P < /$)

(2003) Atashi (1981) Shanks et al.

(2000) Tekerli et al.

(2004) Macciotta et al.

Tekerli (1998) Chhikara et al. (1981) Shanks et al.

(2004) Macciotta et al. (2000) et al.

Tekerli et al. (1981) Shanks et al.

(2004) Macciotta et al. (2003) Atashi (2000)

(2000) Tekerli et al. (1981) Shanks et al.

(2004) Macciotta et al.

a

a

(1981) Shanks et al.

(2003) Atashi (2002) Fernández et al.

(2005) Segura-Correa & Osorio-Arce

b

b

Segura-Correa & Osorio- (2004) Macciotta et al.

(2005) Arce

c

c

از مرکز اصلاح نژاد دام و بهبود شیر کرج برای در
اختیار قرار دادن اطلاعات تشکر و قدردانی می‌گردد.

c

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