

가축과 실험동물의 생리자료

제 4 장 소(추가-1)-7(끝)

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Angus 종), 286.3일(101마리, Hereford 종)이다.

Johnson(146)에 의하면 280.9일(112마리, Holstein 종), 283.4일(98마리, Hereford 종), 283.5일(34마리, Shorthorn 종)이다.

Knott(147)에 의하면 279.9일(2,824마리, Holstein 종)이다.

Copeland(148)에 의하면 278.5일(1,075마리, Jersey 종)이다.

Pain(149)에 의하면 279.3일(평균치, Hereford 종)이다.

Hewitt(150)에 의하면 285.0일(788마리, Shorthorn 종)이다.

Knapp(151)에 의하면 280.8일(164마리, Shorthorn 종)이다.

Sabatini(152)에 의하면 280.9일(120마리, Shorthorn 종)이다.

Dawson(153)에 의하면 281.2일(307마리, Shorthorn 종)이다.

三宅 등(187)에 의하면 284일(1마리, 연령 8년, 産歴 3, Holstein 종), 287일(1마리, 연령 8년, 産歴 5, Brown Swiss 종)이다.

田先(158)에 의하면 282.1±5일(27,810마리)이다.

(115) 정액의 pH

吉田(125)에 의하면 신선한 정액의 pH는 6.7(6.4~7.4)이다.

(116) 정액의 비중

吉田(125)에 의하면 1.034(1.015~1.053)이다.

(117) 정액의 점조도

吉田(125)에 의하면 4.1(2.2~6.0)이다.

(118) 1회 사정량

Hahn 등(208)에 의하면 17~22월령엔 4.2 ml(10마리), 34~42월령엔 5.2 ml(10마리), 42~53월령엔 5.7 ml(10마리), 59~69월령엔 7.3 ml(10마리), 72~150월령엔 7.8 ml(15마리)이다(매주 화요일과 금요일에 하루 두 번씩 4주 동안 채집).

吉田(125)에 의하면 5(3~10)ml이다.

(119) 정자 수

吉田(125)에 의하면 1,000(800~1,500)×10⁶/ml이고 1회에 사정된 모든 정자의 수는 5,000(3,000~6,000)

×10⁶이다.

Spector(45)에 의하면 Buffalo의 경우 정자수는 630(210~770)×10⁶/ml이다.

Hahn 등(208)에 의하면 17~22월령엔 1,691×10⁶/ml(10마리), 34~42월령엔 1,948×10⁶/ml(10마리), 42~53월령엔 1,700×10⁶/ml(10마리), 59~69월령엔 1,465×10⁶/ml(10마리), 72~150월령엔 934×10⁶/ml(15마리)이다(매주 화요일과 금요일에 하루에 두 번씩 4주 동안 채집).

(120) 정자의 크기

吉田(125)에 의하면 全長은 60~65 μm, 頭長 9.0~9.2 μm, 頭幅은 4.5 μm이다.

(121) 정자의 생존기간

吉田(125)에 의하면 2~4°C에 보존했을 경우 최장 생존기간은 2,000시간 이상, 최대 수정력 보지기간은 10일 이상, 實用上 보존기간은 4~5일이다. 암소의 생식기 안에서는 최대 수정력 보지시간이 28~55시간이다.

(122) 정자에 대한 최적 pH

吉田(125)에 의하면 호흡에 대한 최적 pH는 6.9~7.0이고 운동에 대한 최적 pH는 6.8~7.5이다.

(123) 정자의 운동 속도

吉田(125)에 의하면 몸밖에서 실험적으로 인정된 운동속도는 94~123 μm/s이다.

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