

## **CAMEL Reproduction:**

The camel is one of the economic animal in Arabian homeland , due to character which is not present in other domestic animals .The economic reach about 14%of all animals production.

**Male CAMEL:** reach puberty at the age of about second years

maturation about 3-5 years.

The sexual activity continuous until 20 years.

This related to species differences and management (nutrition).

### **Factors effected puberty:**

1-Genetics    2-nutrient    3- Environment

4-Breeding season    5-Seasonality in camel related to endocrine function, In desert, the seasonal extend from September ---May. During season ,the male appeared sign of aggressive, noise, granting of teeth, increasing in the size, weight and activity of testes and hormonal level increases due to activity of leydig cells, and increase in number of sperm.

Activity accessory gland, prostate and seminal vesicle gland which lead to increases in lactose and citric acid ,as well as seminal plasma.

Pheromone increases in season, which produce and secreted special odder, from special head gland . Increases in thyroid hormone secretion during sexual activity .

Increases in pituitary function and ACTH lead to increases in adrenaline secretion which responsible for hypo-hypophysial-system.