

Ch. 9 Breeder Goat Selection (p.65): to produce genetically improved next generation

A. Importance of breeder dairy goats

1. performance = heredity + environment + physiological stage
2. overall improvement = selection individual with high genetic merits + appropriate feeding management
3. High genetic value needed for optimal performance
4. Sound feeding management necessary for genetic potential to fully express

B. Breeder Buck Selection

1. huge impact on offspring? (i.e. buck to does ratio)
2. selection by?
  - judging: hornless?
  - mother parent performance records
  - male characteristics

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C. Breeder Doe Selection (p.66)

1. selection by?

- judging...
- performance test: milk yield (daily yield vs. lactation yield)
- genealogy

D. Pedigree and Health of Breeders

1. impure breeders :

- phenotypic = genotypic?
- produce progenies with variable or inconsistent performance

2. reproductive physiology: organs, libido?

3. temperament

4. check for abnormalities, defects

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E. Proper mating age of goat Breeders (p.66)

1. sexual maturity occurs before body maturity
2. problem with early mating?
  - if pregnant: retarded development of dam and fetus
  - poor lactation performance
3. age at puberty
  - 4 month of age for buck kid; 5 month for doe kid
  - separation of buck and doe kids essential at age of 3-4 month
4. when is good for mating: by age? by body weight?
5. productive life span

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