Veterinary support of small farms. Reproduction of cows: problems and solutions

Valerii Lototskyi
PhD in agriculture, Bilotserkivskyi National Agricultural University.
Reproduction goal:

365 days

13-15 months

Up to 24 months
- 285 days of pregnancy term
- 30 days of postpartum
- 50 days for conducting successful insemination
- Estrous cycle – 21 days
- Conception rate of artificial insemination – 50 %
Cow profitability throughout lactation

Milk yield/profit

дні лактації  Lactation days

Lactation days

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Effect of median lactation day of the herd on milk productivity
ORGANIZATION OF COW INSEMINATION

NATURAL VS ARTIFICIAL
EVERY NEXT GENERATION MUST BE BETTER
Insemination technology

- Determination of the stage of estrus
- Determination of the best time for insemination
- Sperm preparation for insemination
- Insemination
Natural insemination

- At free insemination, 30-50 cows are reserved for one stud bull per year
- At manual insemination – 60-120
- 10-18 months – 1-2 week
- > 18 months – 4-6 times/week
LACKS OF NATURAL INSEMINATION IN BREEDING
SPREADING DISEASE
It follows to pay attention to:

- Selection of stud bulls by genotype and their andrological assessment;
- Culling of animals with defects and abnormalities of development;
- Feeding and keeping of stud bulls in accordance with requirements;
- Assessment of their reproductive function according to sexual reflexes, sperm quality and conception rate;
- Control of preputial washings, sperm bacterial contamination and diagnostic tests for infectious diseases.
ARTIFICIAL INSEMINATION

- Possibility of rapid genetic progress
- No risk of conveying coital diseases
- Possibility of planned calving
- Drawback – lower effectiveness
SOLUTIONS

- Private veterinary medicine
- Demand creates supply
- Supply creates competition
- Farmer wins
MOBILE AI STATION
THANK YOU FOR ATTENTION!