

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

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# Reproduction goal:



365 days

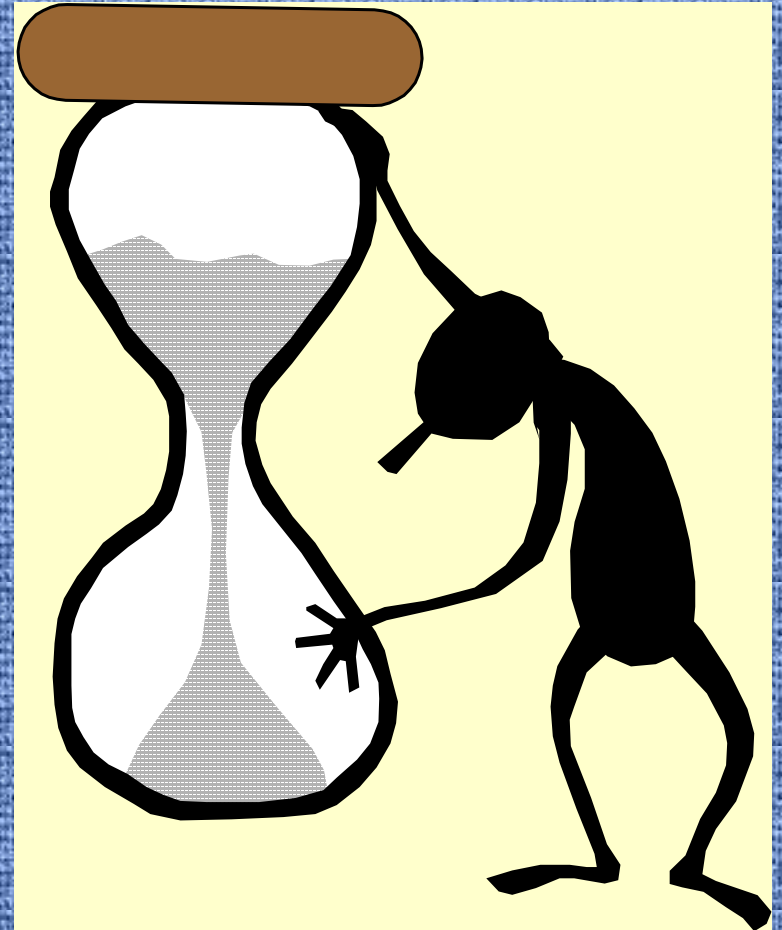


13-15 months



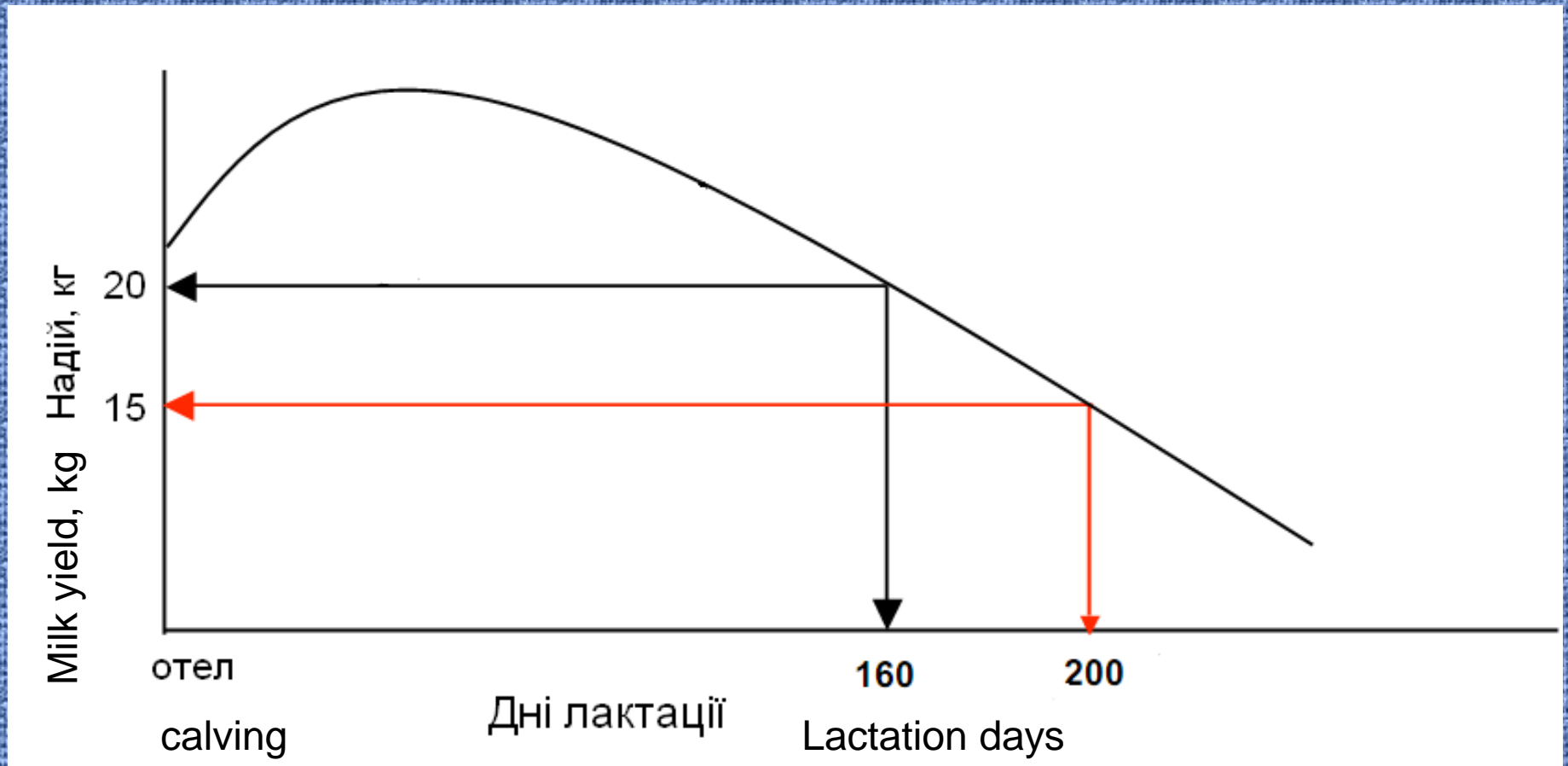
Up to 24 months

- 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





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.

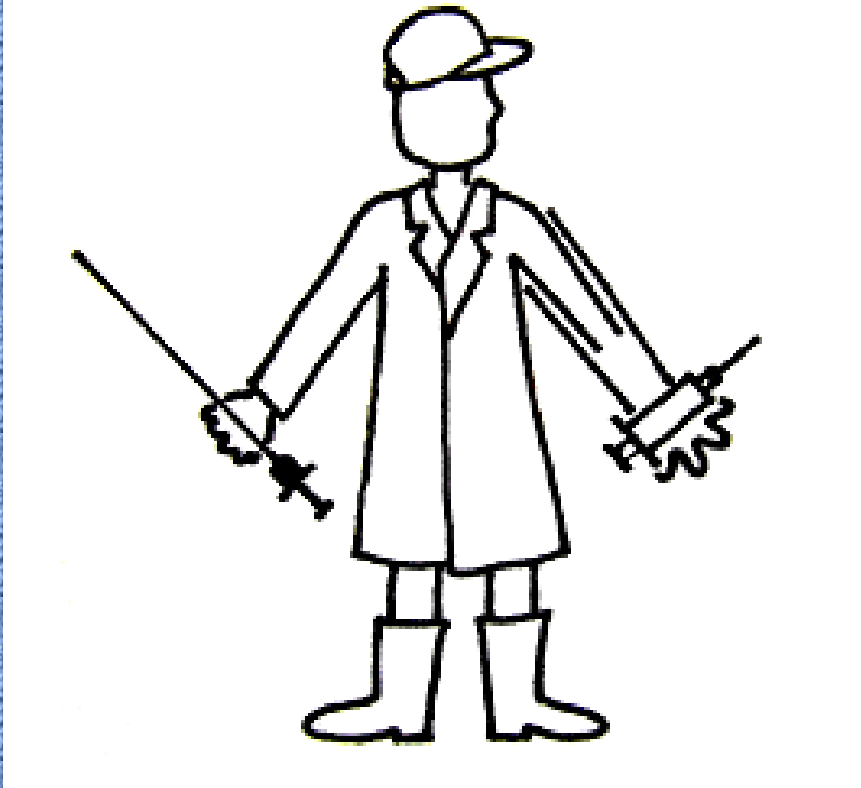
# ARTIFICIAL INSEMINATION



- 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!

