

# **MANAGING HEAT STRESS IN LARGE DAIRY HERDS IN UAE**

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- Water
- High Temperature Humidity Index
- Importation of all feeds
- Free competition

## Challenges

- Bos Indicus Zebo
- Bos Taurus European breeds
- Friesian Holstien
- Germany
- Holland
- Austeralia
- South Africa

## **Dairy Cows Breeds**

## Cost

- Cost / Liter 2 Dhs
- Cow 8000 Liter / Year
- CR 25 %
- Temperate Climate 50%
- Difference 25%
- $8000 \times 25 / 100 = 2000$
- $2000 \text{ Dhs} \times 30,000 = 60,000,000$



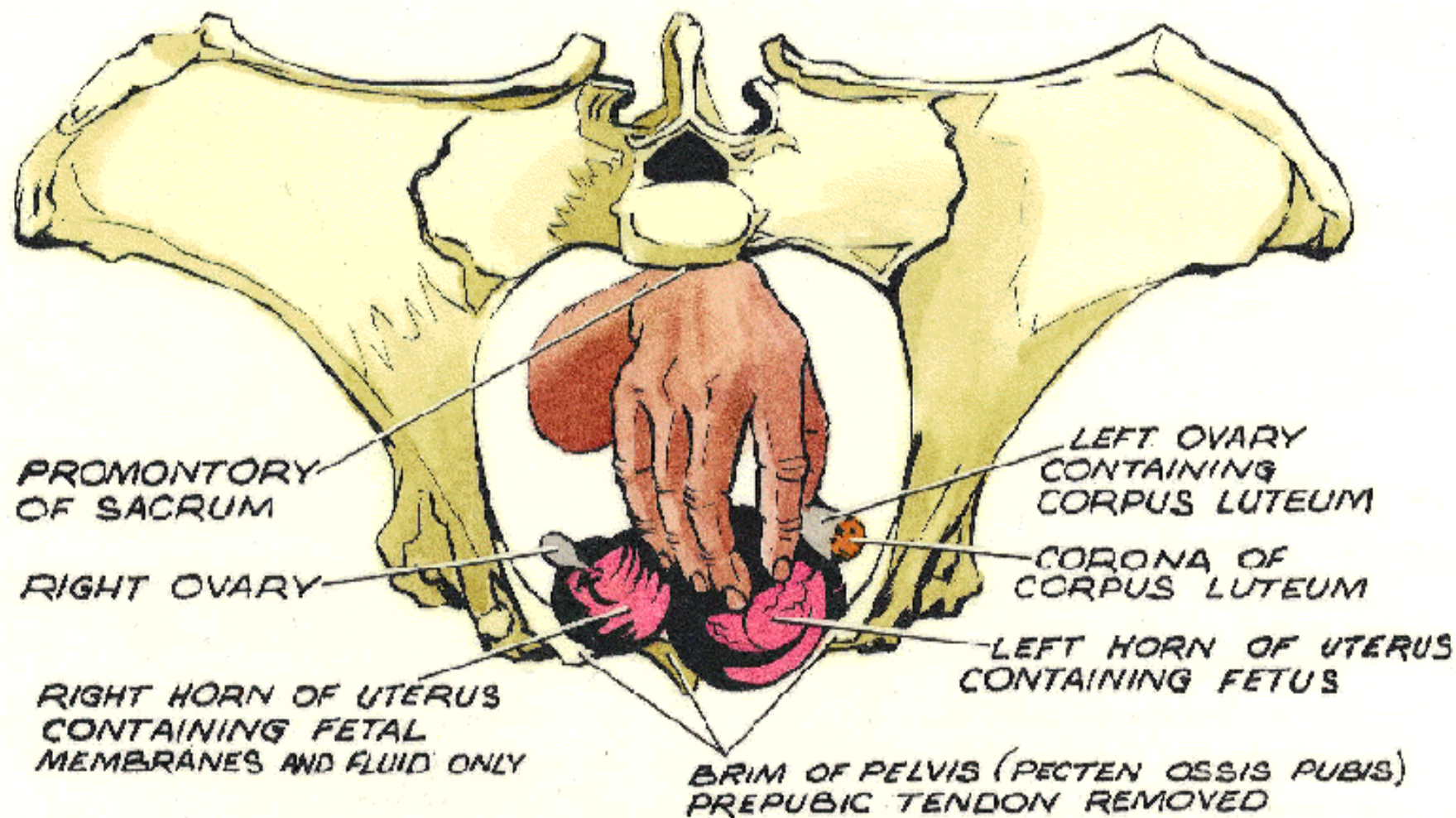




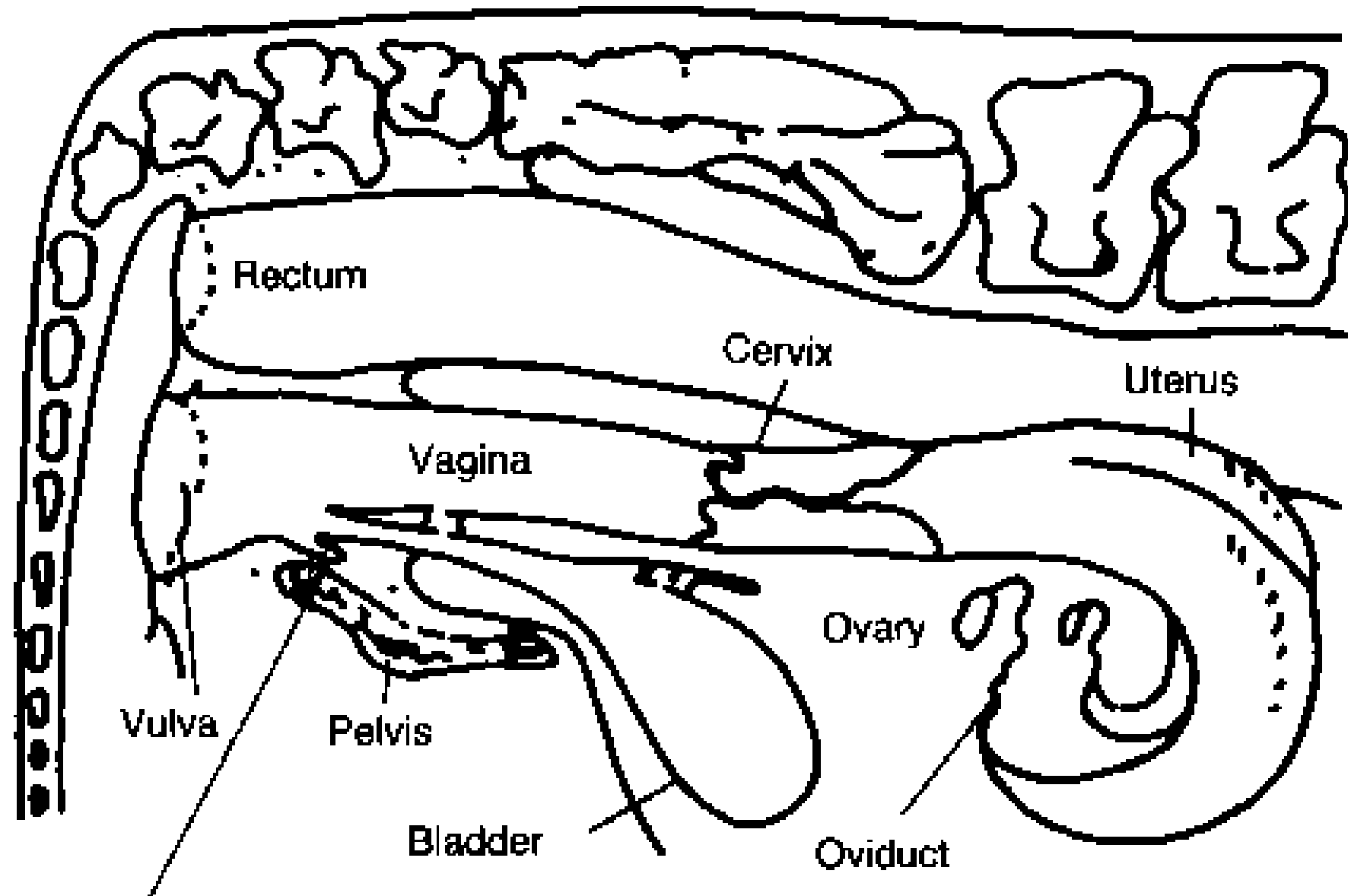






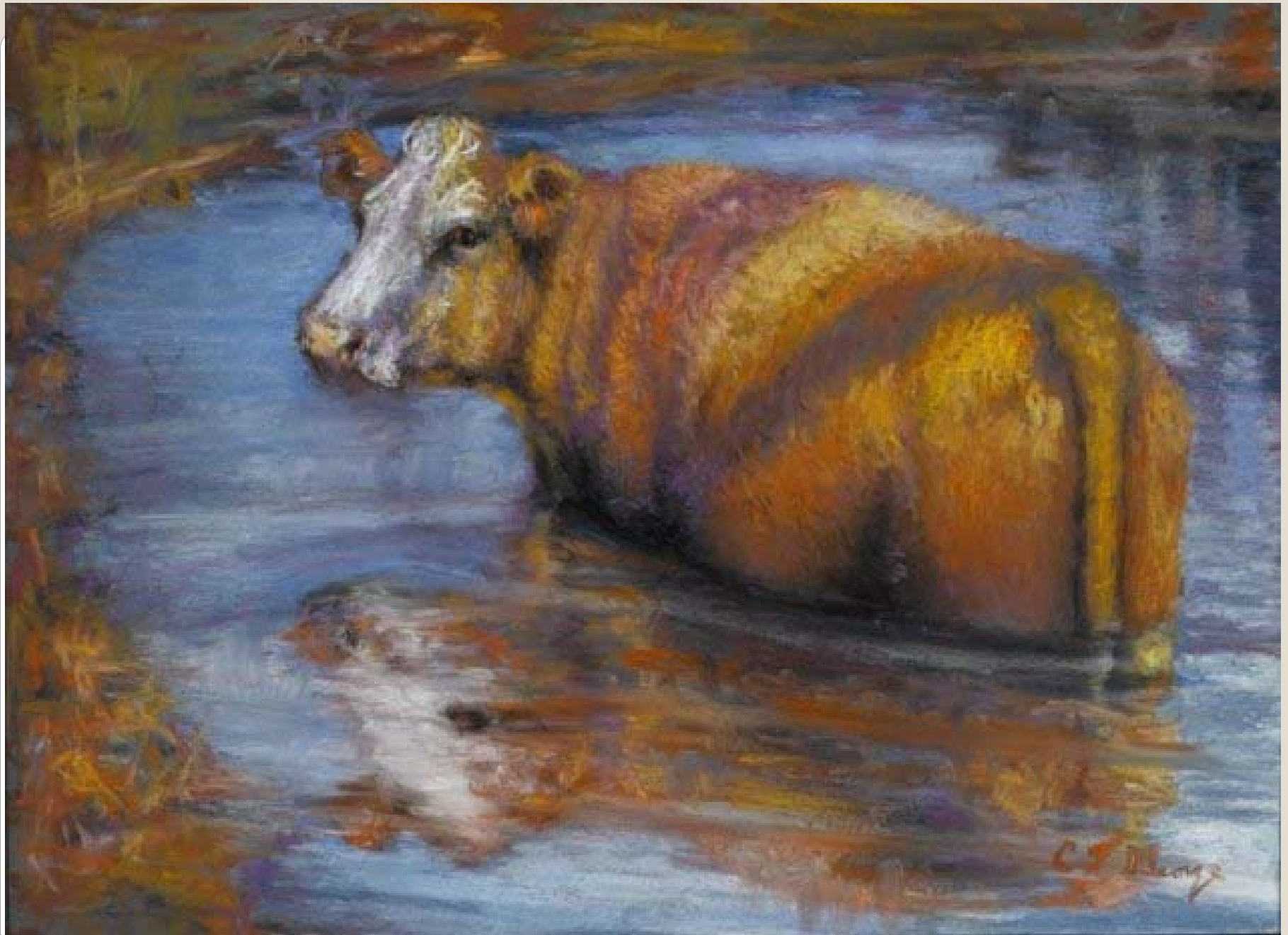


## RECTAL EXAMINATION OF PREGNANT COW. GRAVID UTERUS - 70 DAYS.



Sub-urethral diverticulum









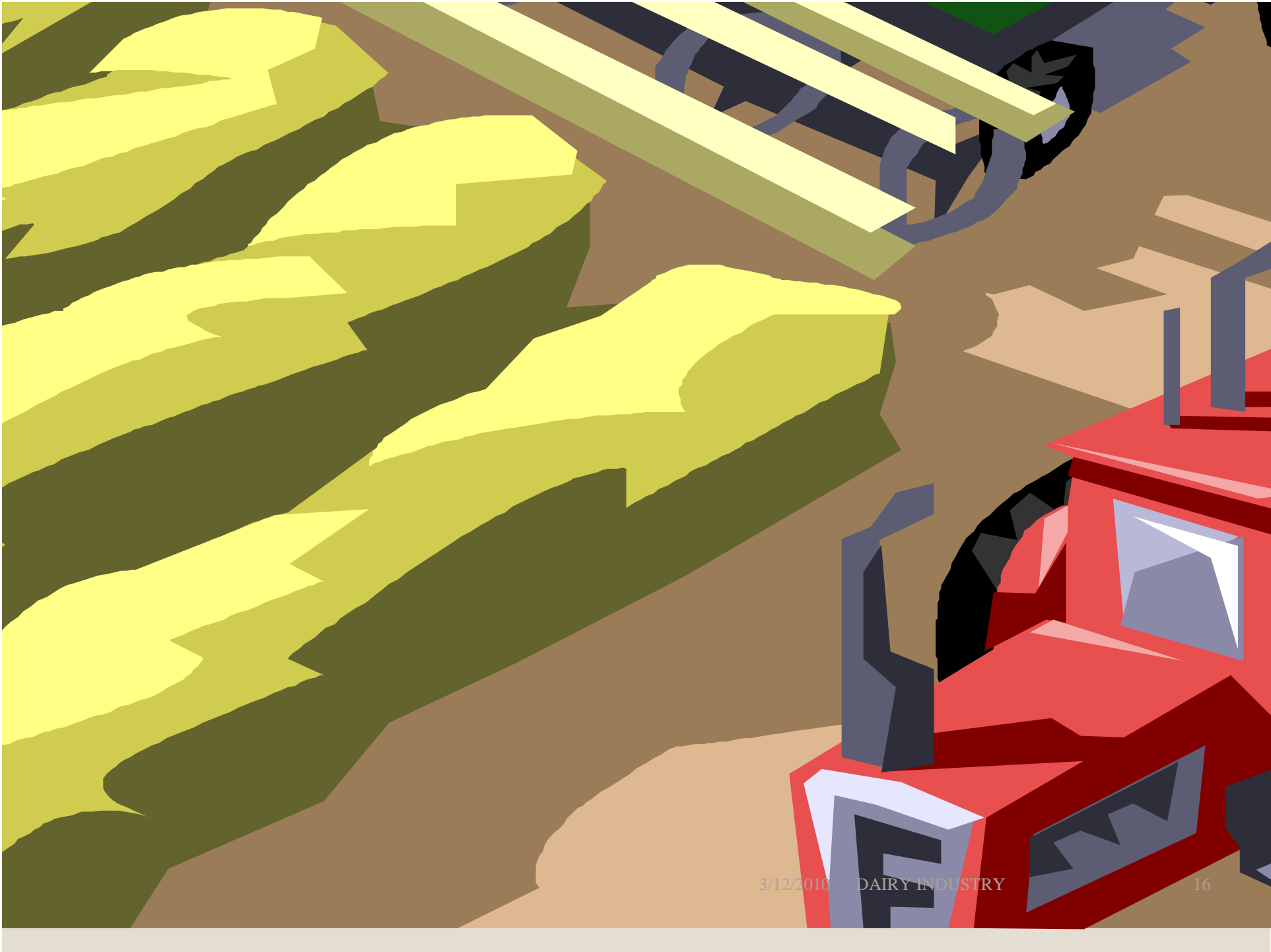
## PERFORMANCE

32,980 CFM

35.6 CFM/Watt

460 RPM

4.27 AMPS/230V
































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- A photograph showing a person from behind, wearing a blue shirt, milking a cow. The person's hands are visible on the cow's udder. The setting is a dairy farm with concrete floors and metal railings.
- List achievements and progress since last status update was given
    - Address schedule implications
  - Highlight those things that made progress possible





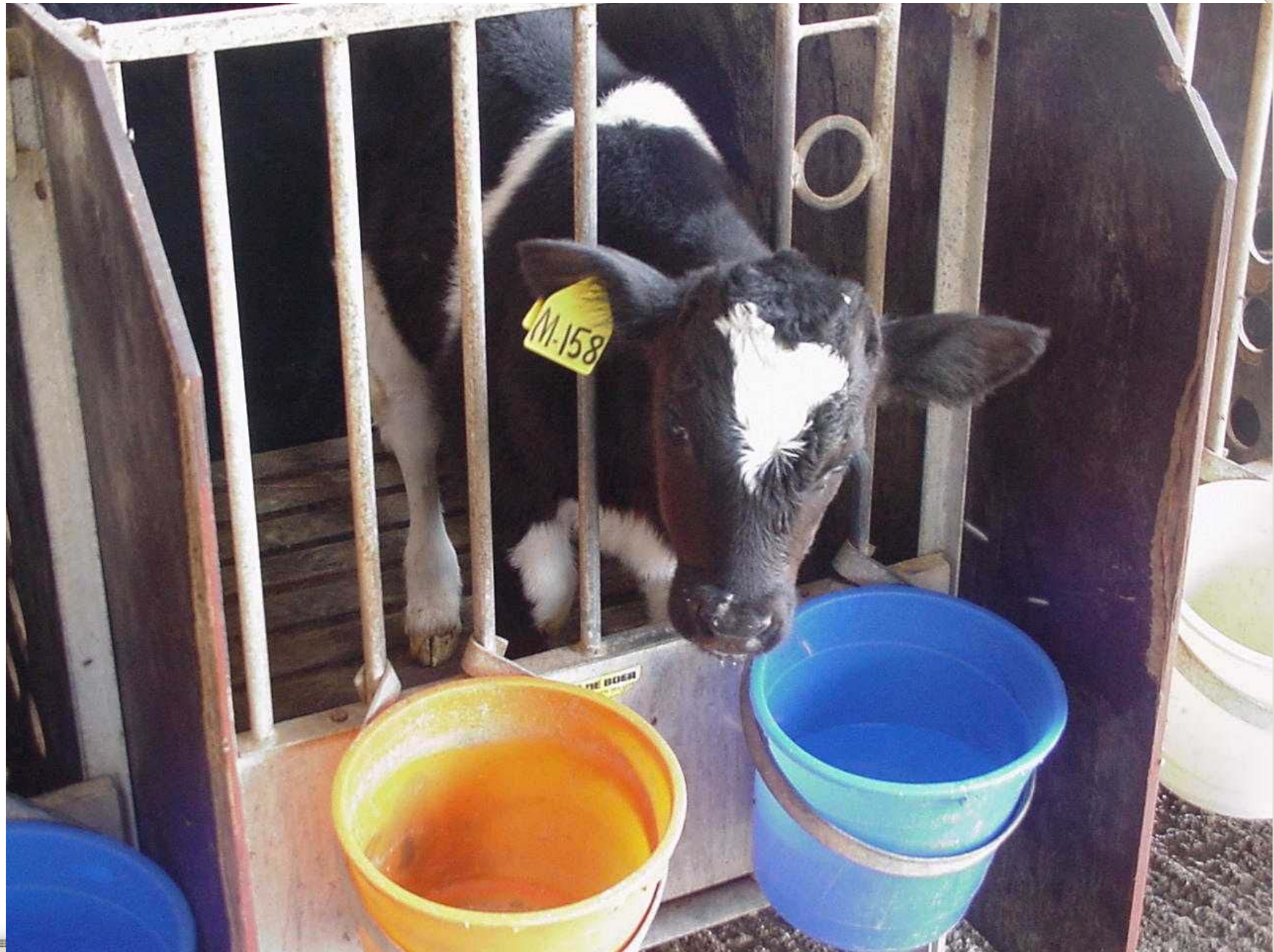


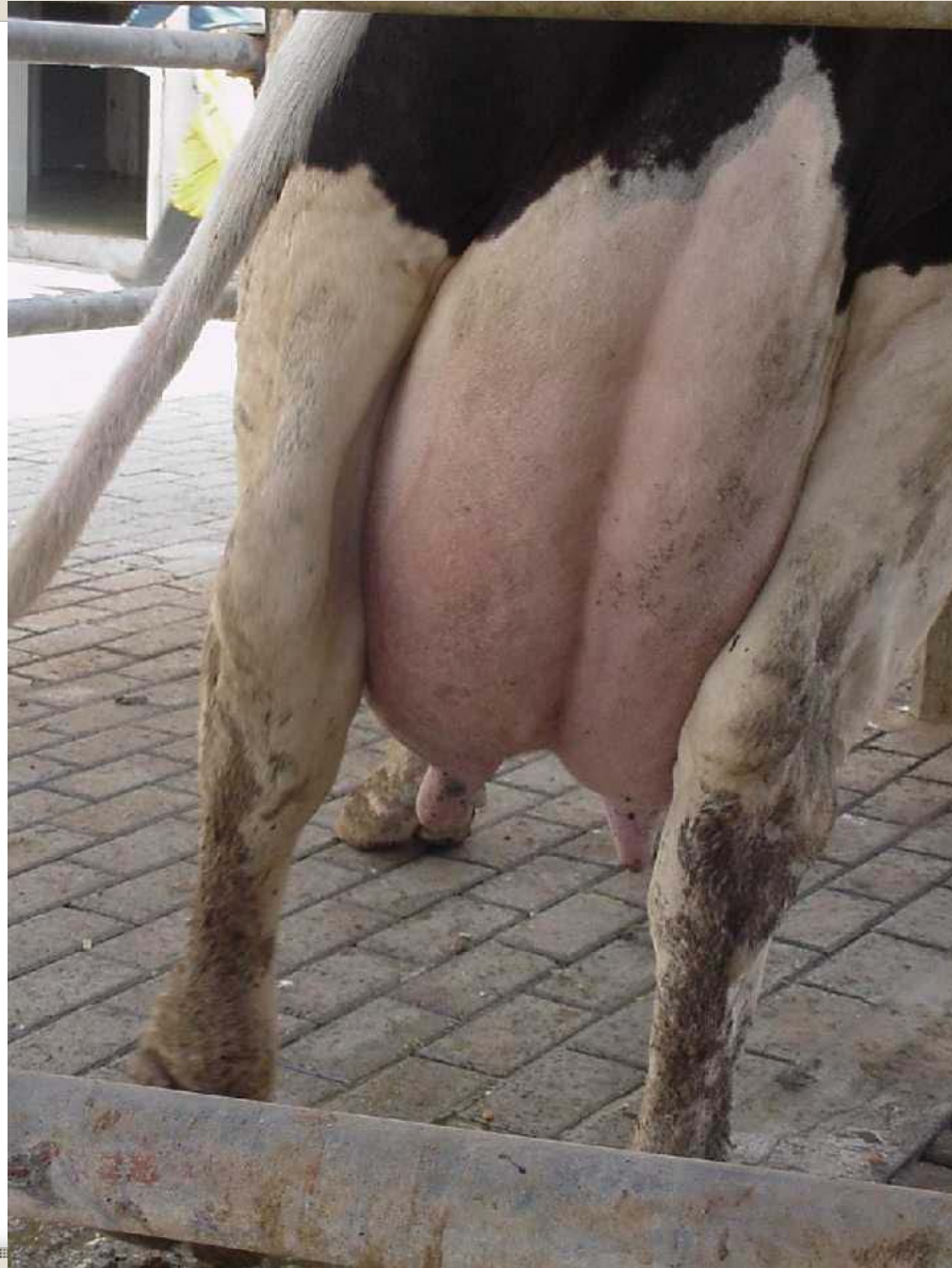


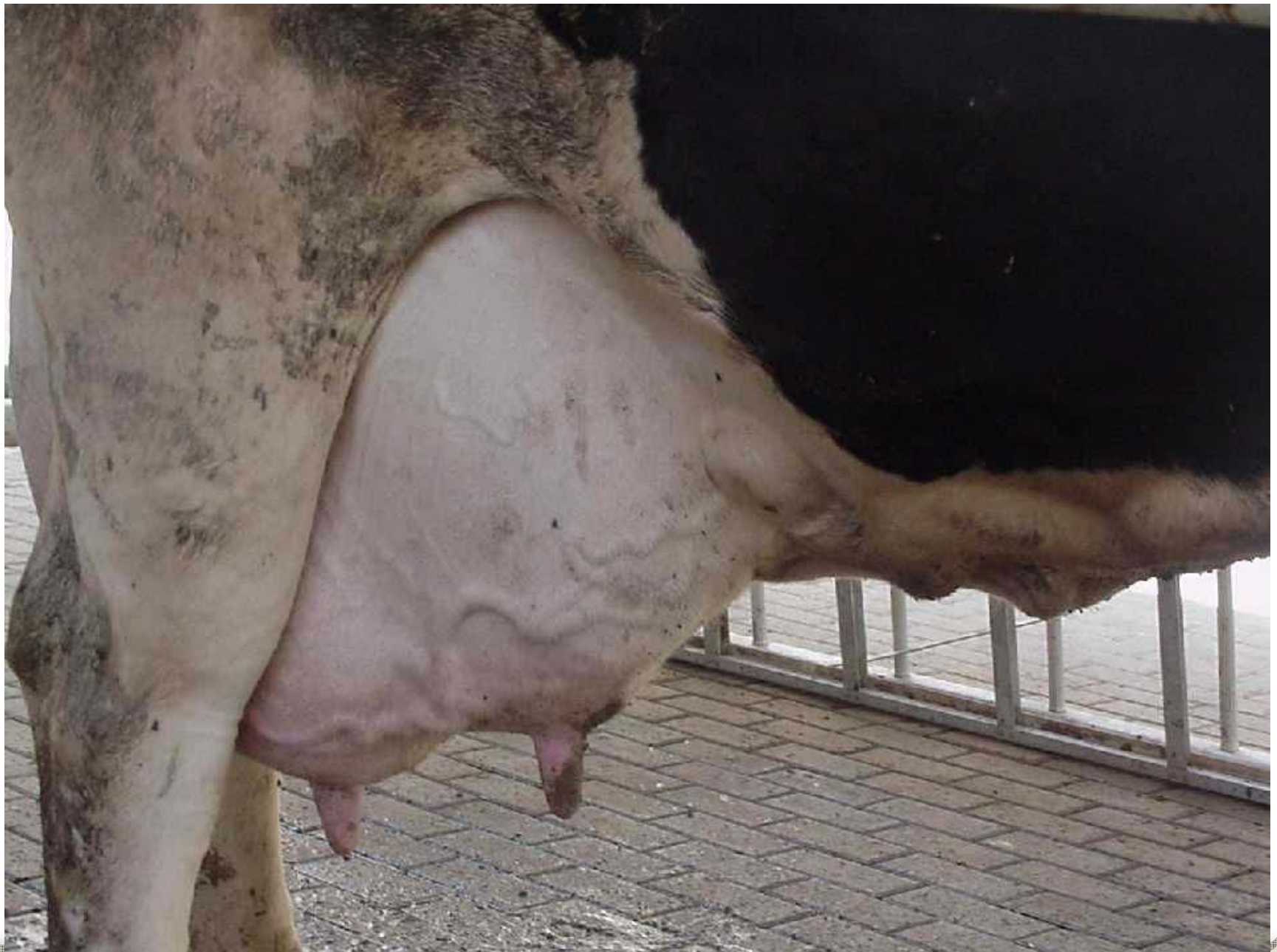


























## CONTROL OF HEAT STRESS :

- Selection of heifers from fertile mothers
- AI of with high fertile bull
- Ensure good cow comfort:
  1. shade sandwich panel
  2. fans
  3. Corral cooling.

- Ponds
- Showers at milking parlors
- Shade and sprinklers on passage from yards to milking parlours
- feeding
- Analyses of feeds
- Metabolic profile of cows



- Dry cows nutrition
- Steamers nutrition
- Fresh Cows
- Vaccination