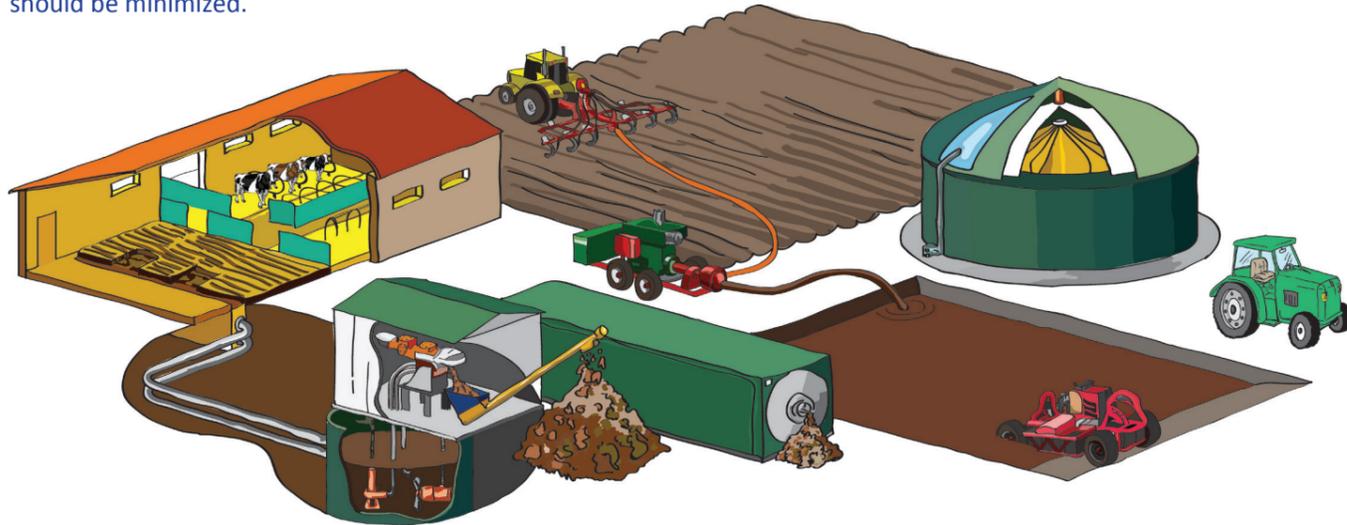


IMPORTANCE OF THE BEST PRACTICES USE FOR THE PRODUCTION OF SAFE MILK AND DAIRY PRODUCTS

ENVIRONMENT

More and more consumers are concerned that the food production is sustainable and implemented considering the impact on the environment. Therefore, natural resources should be used efficiently and the impact on the environment should be minimized.



Farmers have an important role on this, as they shall contribute to implement an **environmentally sustainable farming system** including for instance the presence of waste management plans and efficient use of water and energy.

SOCIO-ECONOMIC MANAGEMENT

Dairy farming provides economic and social benefits to farmers and their wider communities. What factors make a dairy farm successful?



- Additional information:**
1. Regulation (EC) No 853/2004 on the Hygiene of Food of Animal Origin
 2. FAO and IDF, 2011. Guide to Good Dairy Farming Practice. Animal Production and Health Guidelines. No 8, Rome
 3. International Dairy Federation Guide to Good Animal Welfare in Dairy Production, 2008

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ESTABLISHMENT OF A RISK-BASED FOOD SAFETY CONTROL SYSTEM IN THE DAIRY VALUE CHAIN IN UKRAINE

Milk Safety Project

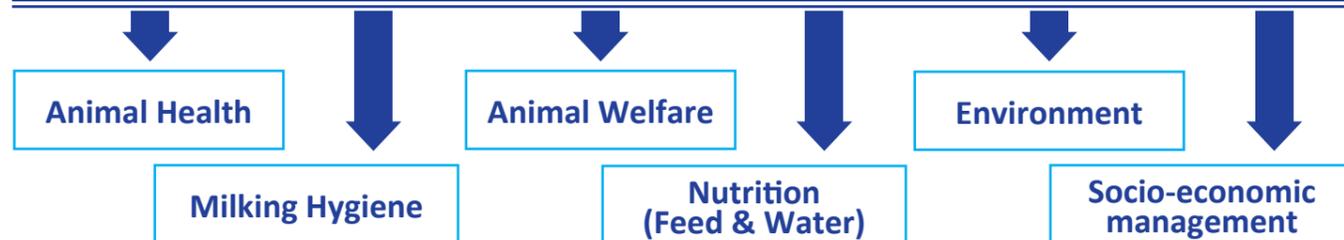


IMPORTANCE OF THE BEST PRACTICES USE FOR THE PRODUCTION OF SAFE MILK AND DAIRY PRODUCTS

IMPORTANCE OF THE BEST PRACTICES USE FOR THE PRODUCTION OF SAFE MILK AND DAIRY PRODUCTS

Having healthy cows is essential to produce milk that is safe, and of good quality. To achieve these goals, the implementation of best practices for dairy farmers is critical, covering six areas:

BEST DAIRY FARMING PRACTICES



Best practices are those best solutions, innovative experience, improvements in dairy farms, that ensure that milk and milk products produced are safe and suitable for the intended use. The implementation of best practices also contributes to the sustainability and viability of the enterprise from the economic, social and environmental point of views.

ANIMAL HEALTH

Raw milk must come from animals that are in a good general state of health and do not show any symptoms of infectious diseases including those diseases transmissible to humans through milk and colostrum.

To guarantee the animal health, best practices should aim at ensuring that:

- 1) The herds are kept **free from diseases** (e.g. through the implementation of vaccination protocols, isolation of sick animals etc.)
- 2) A **monitoring** program is in place (e.g. regular observations for injury or signs of disease, farmers are aware of clinical signs of disease etc.)
- 3) An effective **herd health management program** is in place (e.g. identification of all animals, records of treatments are maintained, mastitis control program etc.)



MILKING HYGIENE

Milking is the core activity of dairy enterprises. So proper **milking management practices** should be in place to ensure that:

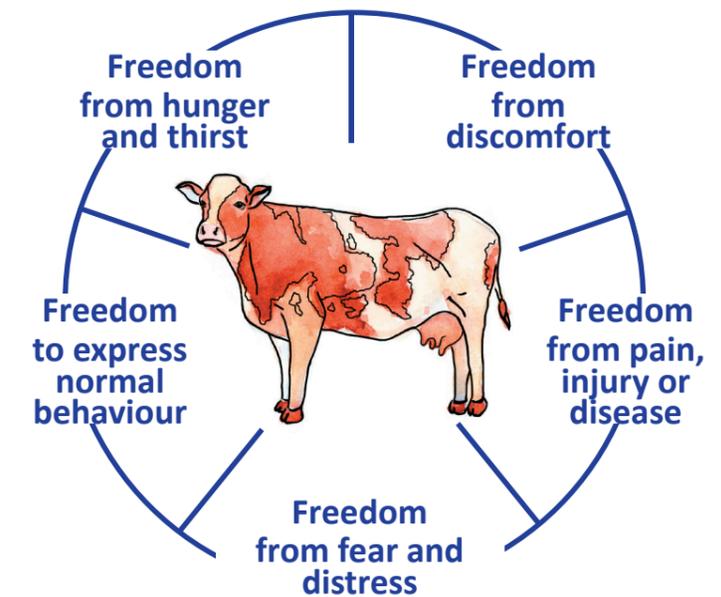
- 1) Milking is carried out **hygienically**, ensuring that before milking starts, the teats, udder and adjacent parts are clean; that milk from each animal is checked for organoleptic or physico-chemical abnormalities by the milker and that milk presenting such abnormalities is not used for human consumption.
- 2) Milking practices do not **injure animals or introduce contaminants** in the milk.
- 3) Milk is **stored** in hygienic condition and at proper temperatures.
- 4) Proper **trainings** are regularly implemented at farm level so that farmers and staff are aware of best practices for milking.



IMPORTANCE OF THE BEST PRACTICES USE FOR THE PRODUCTION OF SAFE MILK AND DAIRY PRODUCTS

ANIMAL WELFARE

Animal welfare is primarily concerned with the wellbeing of the animal. The application of animal welfare in the dairy enterprises should respect the following "five freedoms":



NUTRITION (FEED AND WATER)

The quantity and quality of the feed and water affect largely the animal health and productivity. It also influences the quality and safety of its milk.

Best practices should guarantee that:

- 1) **Animals are fed and watered** with products of suitable **quantity, quality and safety** (e.g. evaluations of body condition score etc.)
- 2) The **storage condition** of feed is regularly controlled
- 3) The **traceability** of feedstuffs (i.e. records on the nature and origin of feed) is provided

