

# BREEDING PROGRAM FOR A DAIRY FARM (MEDIUM & LARGE) **Level 1**

Topic	Training & information Content
5.1	Dairy Cattle Breeds and Breeding
5.2	Breeding program for a dairy farm (medium & large)
5.3	Conformation, Type classification and judging
5.4	Cow handling
5.5	Milk production recording
5.6	Heat Detection
5.7	Artificial Insemination
5.8	Pregnancy Diagnosis
5.9	Fertility Management
5.10	Cows with abnormal discharge
5.11	Fertility disease recording
5.12	Calving recording
5.13	Use of Key Performance Indicators



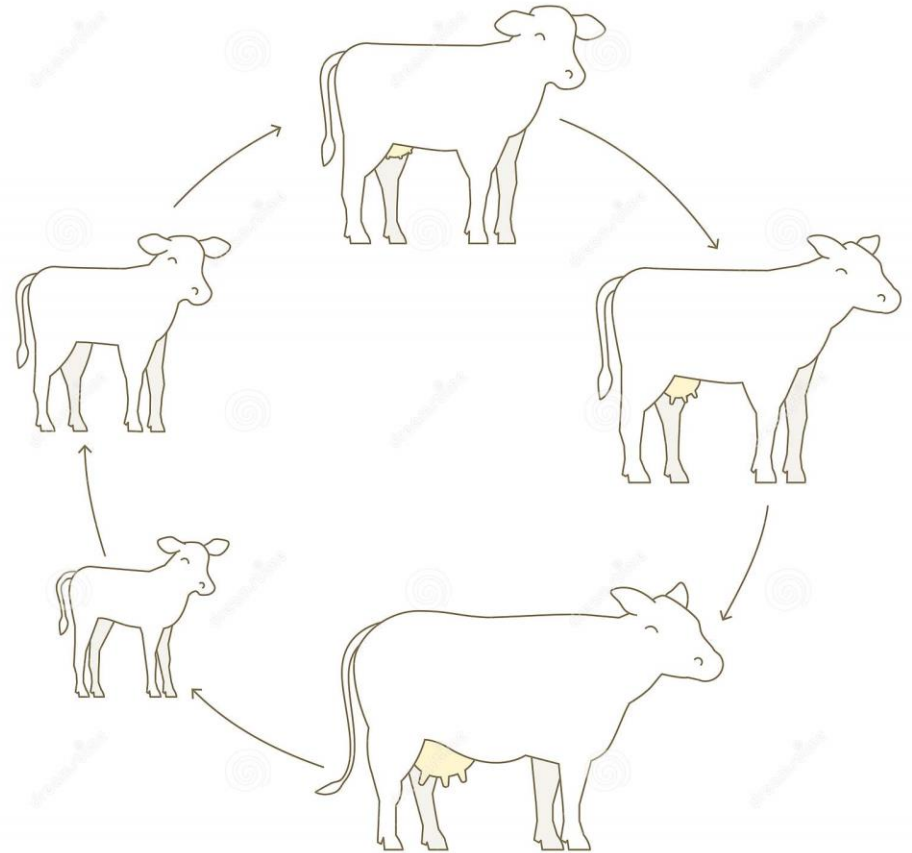
## 1. You will learn about (learning objectives):

- Selection & Breeding strategies
- Importance and influences of traits



## 2. Background

- Breeding is not a tool that will immediately lead to better results, it's an ongoing process
- Breeding will have a chance to become successful when management aspects are fully under control
- Without selection, there is no chance of any improvement
- Beware that there are several selection methods with totally different outcomes. Outcomes also depend on the environment which selection method is most suitable



### 3. Traditional Breeding Strategy

- One bull for the whole herd, selected based on general external appearance, used for far too long. This causes inbreeding, infertility, poor performance



X



### 3.1 Traditional Breeding Strategy Cont'd...



X

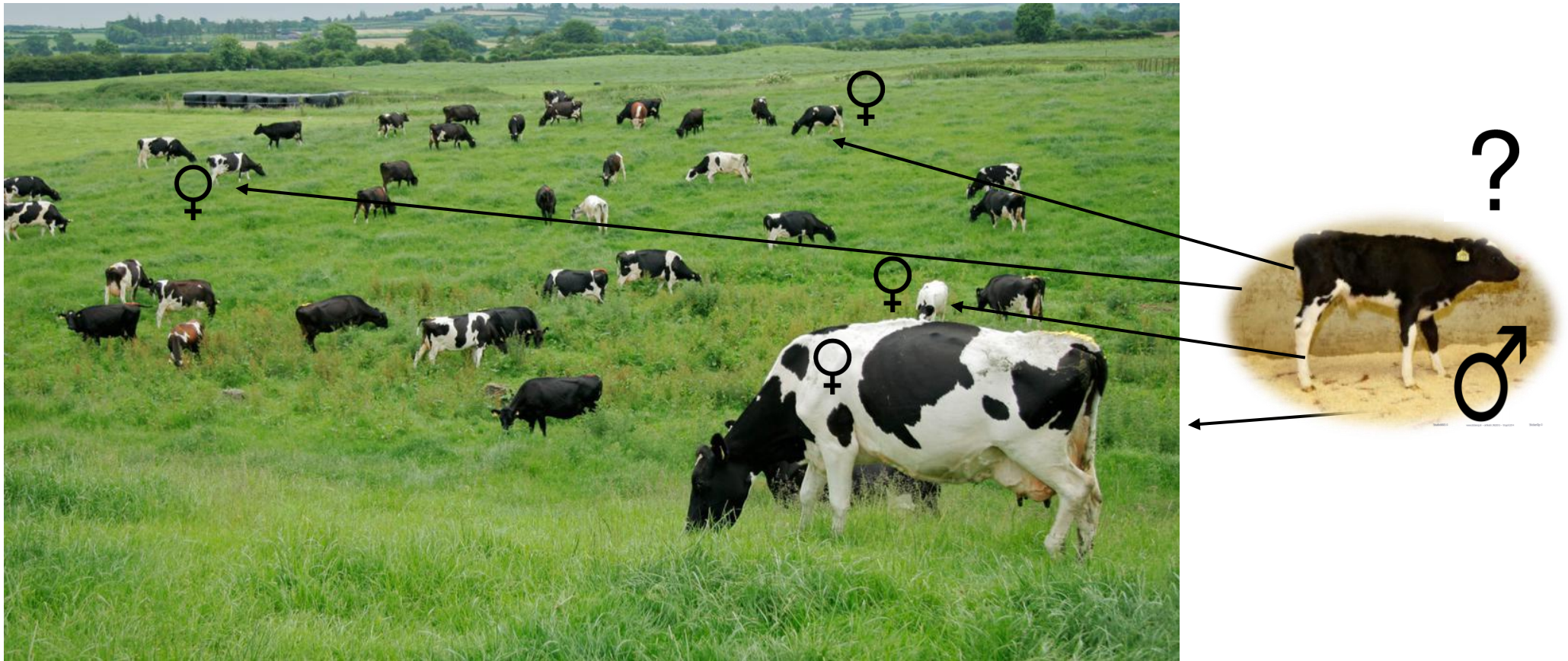


No improvements!



## 4. Selection

No Breeding without Selection

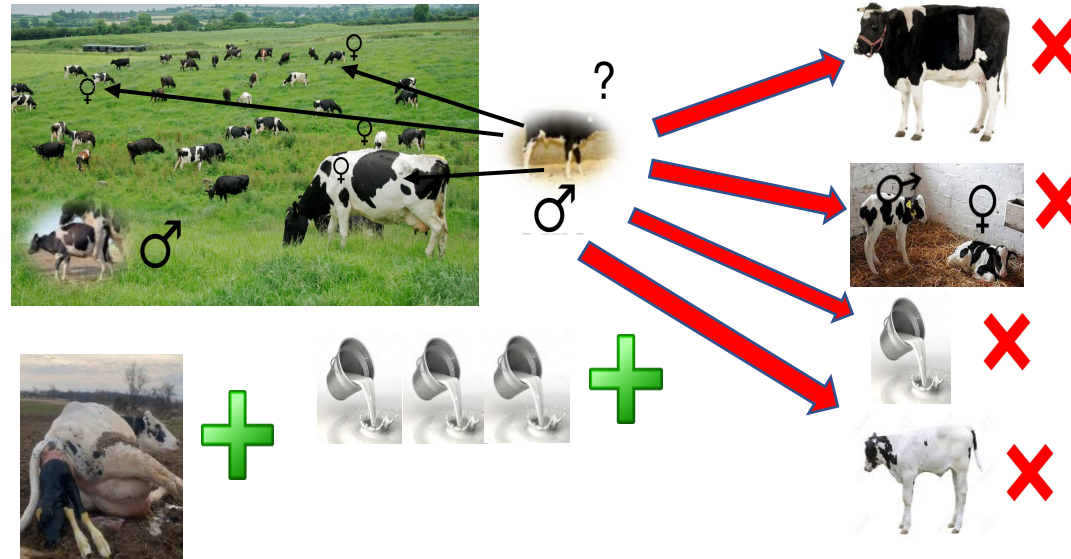


## 5. Breeding Program

- Think of a breeding program. Ask yourself what you want.



## 6. Breeding strategy

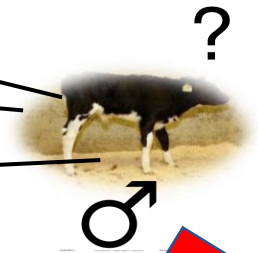
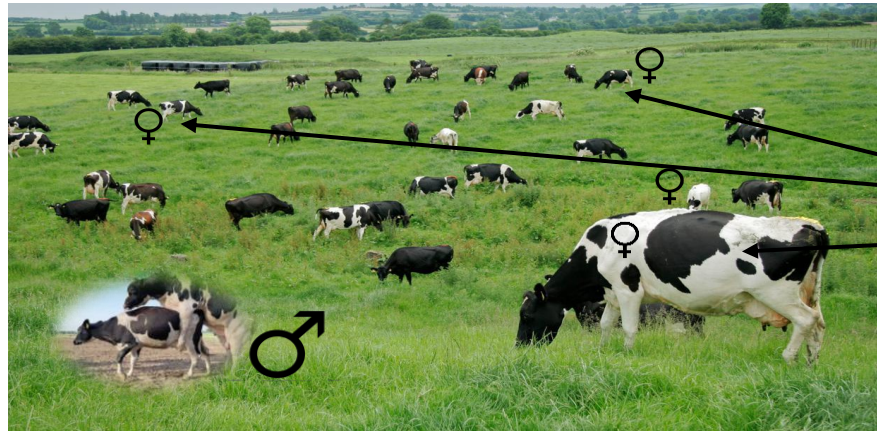


A breeding strategy yields results but requires patience





# 6.1 Breeding strategy Cont'd...



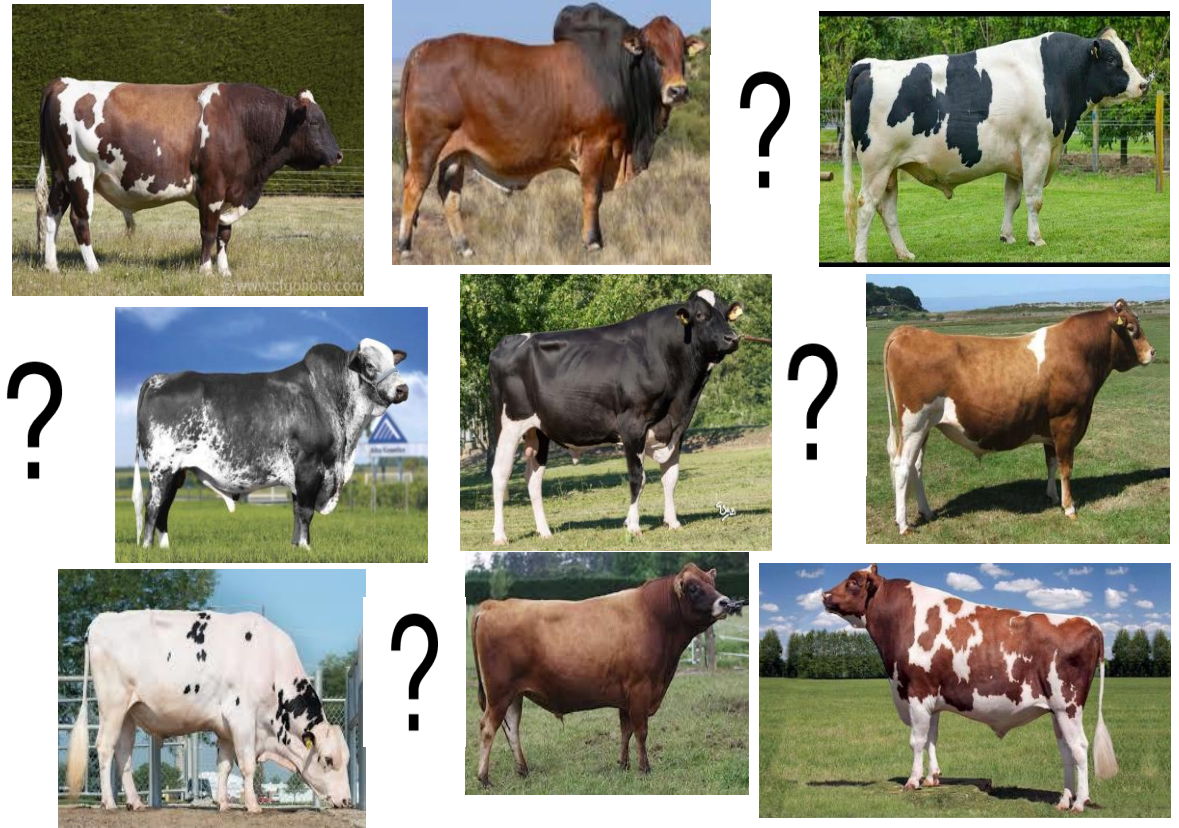
Desired



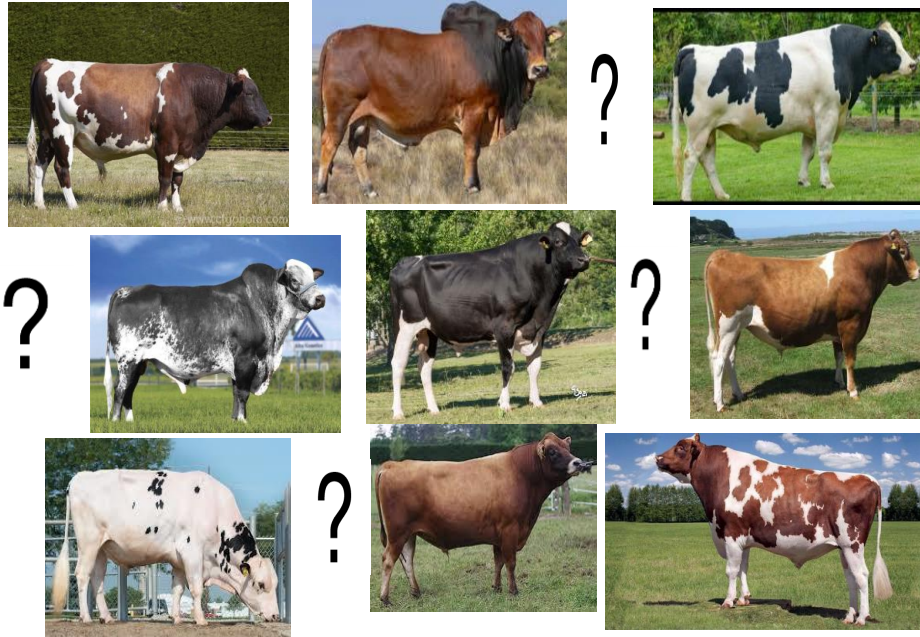
Undesired

## 7. Artificial Insemination (AI)

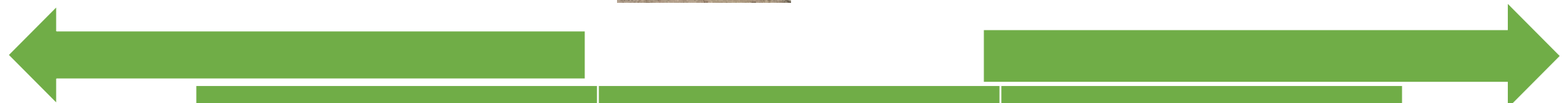
- Choose the correct bull with desired traits, then do AI



## 8. Successful breeding strategy



Successful/good breeding strategy = increase of milk production and improved udder conformation



2015

2021

2026



- END -