CRV, leading
in health and efficiency

Dairy farming systems

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Start here to define your farming system

CRV is dedicated to support you in breeding and managing better cows. The CRV farming system navigator with its 5 step approach supports you in making a breeding plan that fits your specific farming system. So you can breed for a herd with a high longevity and a high milk production per unit of feed. But also cows that are healthy and produce without any problems. The supreme balance between health and efficiency. That's the key to a better life for cows, farmers and the world around us.

▶ Step 1. Farming system navigator

Your CRV consultant will assist you in following the navigator to define your farming system.

Are your dairy cows grazing during their lactation?

Yes

What is your main focus?

Max production per kg of grass

Are your cows fed with more than 20% supplements in their ration?

No

Yes

Grazing System

Semi Grazing System

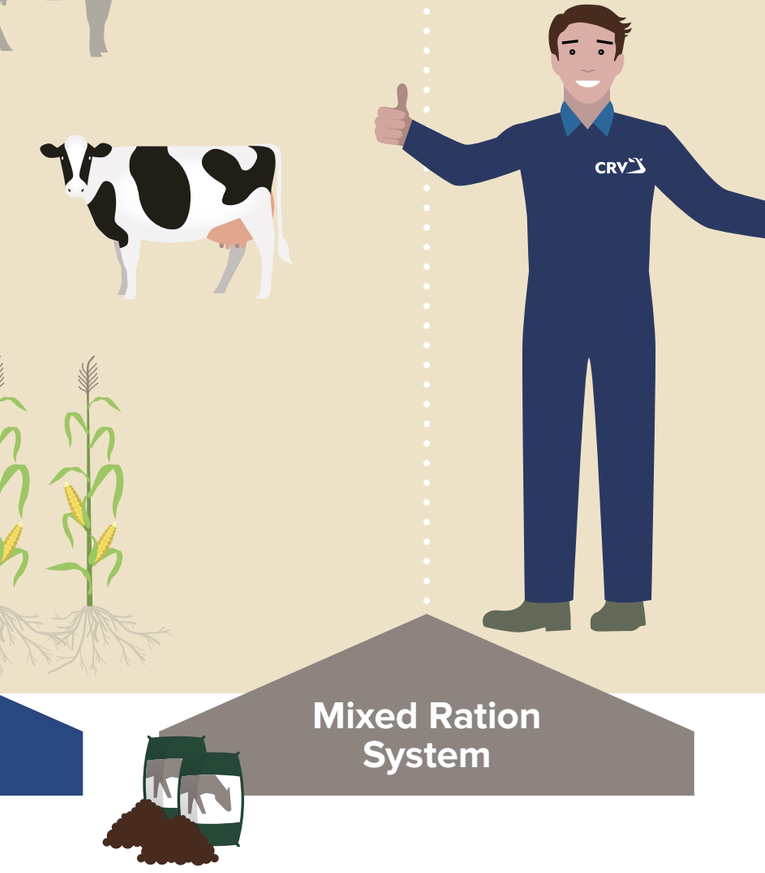
No

Max production per cow

Dairy farming systems

Semi Mixed Ration System

Mixed Ration System



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▶ Step 2. Breeding goal

Define your breeding goal and check the attention traits for breed and sire selection as indicated in the description of your farming system.

Grazing system

In this system, your dairy cows produce milk based upon a ration of almost exclusively grass and forage. As the cows are predominantly kept and grazed outside they are fed supplements to a minimum. Production efficiency and the lowest cost of production are your main focus. You aim for a maximum output, whether it is milk volume or solids, per hectare of grassland and an optimum production per cow. As a consequence cows are not always fully fed.

The ideal grazing cow:
- has high output (solids or litres) per kg of body weight
- is trouble free
- does not need personal care at calving
- is robust
- is able to walk long distances
- easily takes in fast amounts of grass
- lives long
- calves at the same time every year
- has a low body weight

Semi grazing system

In this system, your dairy cows produce milk based upon a ration of predominantly grass supplemented almost year around with silage and bought in feeds. You have infrastructure for feeding or housing. Production efficiency and flexible cost of production are your main focus. You aim for a balanced output per hectare and production per cow (milk volume or solids). The system has built in flexibility to increase farm output when milk prices are high and decrease costs when milk prices are low.

The ideal semi grazing cow:
- has a high output (solids or litres) per kg of body weight
- is trouble free
- does not need personal care at calving
- easily takes in fast amounts of grass and supplements
- lives long
- gets pregnant easily
- has a good udder quality
- has a medium body weight

Semi mixed ration system

In this system, your dairy cows produce high volumes of milk or solids based upon a predominantly mixed ration which at times includes grazed pasture. Your cows are kept indoors but graze when the conditions are right. You aim for maximum feed efficiency resulting in a positive margin over feed and optimum cow health. The system tries to optimize utilization of grass when available without sacrificing output.

The ideal semi mixed ration cow:
- has a high lifetime production
- has a good feed efficiency
- is flexible in her feed intake (mixed ration & grazing)
- is robust
- walks on strong feet and legs
- is disease resistant
- has a medium to high body weight
- has a good udder quality

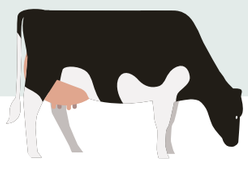
Mixed ration system

In this system, your dairy cows produce high volumes of milk or solids based upon a carefully managed (mixed) ration whilst permanently housed. You aim for maximum feed efficiency resulting in a positive margin over feed and optimum cow health. You squeeze every ounce of genetic ability out of your genetics.

The ideal mixed ration cow:
- has a high lifetime production
- has good feed efficiency
- has a good udder
- is robust
- has strong feet and legs
- is very healthy and has a strong immune system
- has a high body weight

How to breed a grazing cow

Your ideal grazing cow is bred using **CRV grazing genetics**. Attention traits for breed and sire selection:
- Fertility
- Locomotion
- *CRV Efficiency*
- Feet and Legs
- Body condition score
- Capacity
- Calving ease
- Low body weight

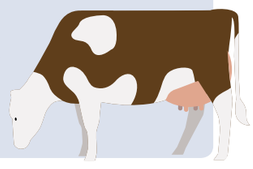


How to breed a semi grazing cow

Your ideal semi grazing cow is bred by a **mixture of grazing and Holstein/Jersey CRV genetics**.
Attention traits for breed and sire selection:
- Fertility
- Locomotion
- *CRV Efficiency*
- Feet and Legs
- Body condition score
- Calving ease
- Udder
- Production
- Medium body weight

How to breed a semi mixed ration cow

Your ideal semi mixed ration cow is bred by a **mixture of Holstein/Jersey and grazing CRV genetics**.
Attention traits for breed and sire selection:
- Longevity
- *CRV Efficiency*
- Feet and Legs
- *CRV Health*
- Feed intake
- Udder
- Medium/high body weight



How to breed a mixed ration cow

Your ideal mixed ration cow is bred by using **CRV Holstein or Jersey genetics**.
Attention traits for breed and sire selection:
- Longevity
- *CRV Efficiency*
- Feet and Legs
- *CRV Health*
- Milk production
- Feed intake
- Udder
- High body weight

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▶ Step 3. Preferred breeds

All CRV breeds can be used for pure breeding as well as for cross breeding. Determine the breed(s) you want to use in your breeding plan.

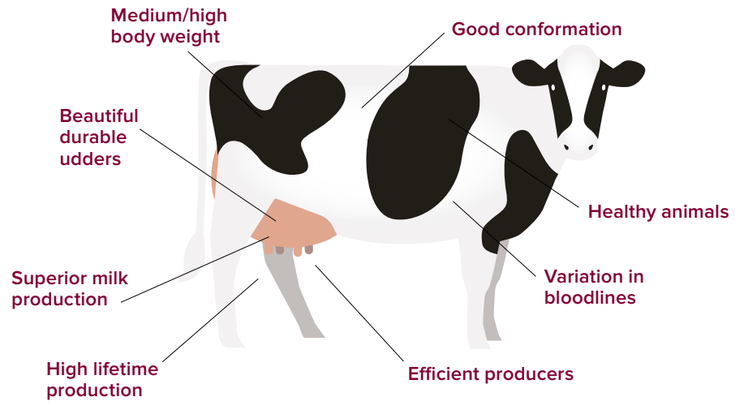
CRV dairy farming system

Grazing
Semi grazing
Semi mixed ration
Mixed ration

Holstein

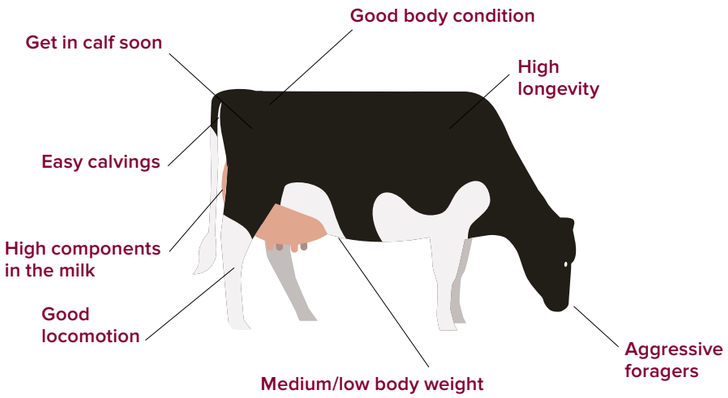
Suitable:

Holstein genetics of CRV lead to efficient cows with a high longevity that produce lots of milk per kilogram of feed. But also cows that are healthy and produce easily without any problems. Genetics of the Holstein product line can be used to breed cows that have to perform in diverse circumstances.



Grazing Friesian

Suitable:



Grazing Friesians are superior in converting grass into milk. Genetics of this CRV product line lead to cows with a high longevity that produce lots of milk or components per kilogram of body weight. These robust Friesians fit best in an efficient grazing system where grass is the predominant component of the ration.

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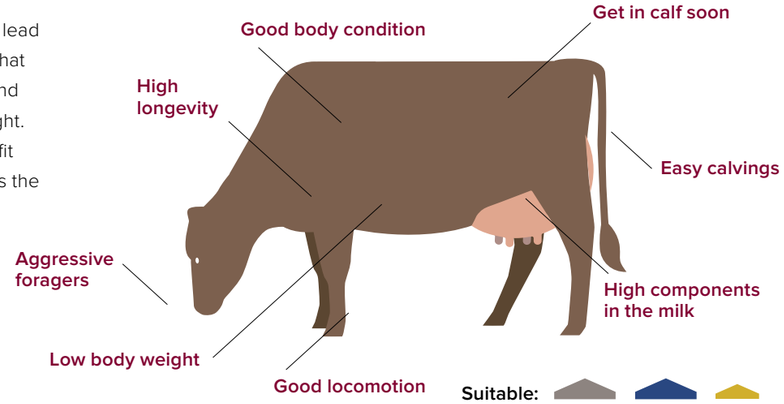
Grazing Jersey

Suitable:

Grazing Jerseys are superior in converting grass into valuable milk. Using these genetics will lead to cows with a high longevity that produce lots of components and milk per kilogram of body weight. These robust grazing Jerseys fit best in a system where grass is the predominant component of the ration.



Fleckvieh

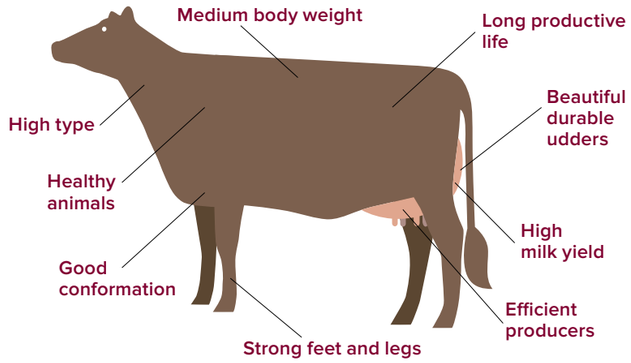
Suitable:

Fleckvieh is a robust double purpose breed. The cows of this CRV breed are healthy, long lasting and very adaptable to different geographical and climatic conditions. Fleckvieh is also suitable for crossbreeding as it maximizes heterosis.

Jersey

Suitable:

Jersey is a sustainable breed distinguishing in converting feed into milk with high components. Besides, these efficient animals have good legs and healthy hooves. CRV Jerseys stand out in their productive life and with their good conformation.



My breeding plan

Step 1. My farming system

○ Grazing ○ Semi grazing ○ Semi mixed ration ○ Mixed ration

Step 2. My breeding goal

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Attention traits

○ *CRV Health*	○ *CRV Efficiency*	○ Locomotion	○ Body weight high
○ Fertility	○ Milk production	○ Udder	○ .....
○ Calving ease	○ Feed intake	○ Body weight low	○ .....
○ Feet and Legs	○ Body condition score	○ Body weight medium	○ .....

Step 3. Preferred breed(s)

○ Pure breeding ○ Cross breeding

.....

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Step 4. My breeding scheme *(sketch)*

Your CRV consultant advises you a breeding scheme that fits your personal breeding plan.

Step 5. Sire selection

Choose sires that fit your breeding strategy or use CRV's advanced mating program SireMatch.

Sire: ..... **Sire:** .....

Sire: ..... **Sire:** .....

Sire: ..... **Sire:** .....

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