SUSTAINABLE INTENSIFICATION USING GENETICS FROM HIGH INPUT CATTLE BREEDING PROGRAMMES

Sijne van der Beek | 29 August 2018
Milk production, tonnes
Total milk production, measured in tonnes per year. Data on milk production relate to total production of whole fresh milk, excluding the milk sucked by young animals but including amounts fed to livestock.

Source: UN Food and Agricultural Organization (FAO)
Index of cereal production, yield and land use, 1961-2014, World

The index of total cereal production (measured in metric tonnes), cereal yield (kilograms per hectare), and land used for cereal production (hectares). The index is calculated as the production, yield and land use in any given year divided by that in the year 1961 (i.e. 1961 = 100). The index of total population (all ages and genders) relative to 1961 is also shown. Trends for individual countries can be viewed using the "change country" wheel.

Source: OWID based on World Bank, World Development Indicators (WDI) — OurWorldInData.org/yields-and-land-use-in-agriculture/ • CC BY-SA
SUSTAINABLE INTENSIFICATION REQUIRES A PLAN

1. My farming system
2. My breeding goal + attention traits
3. My preferred breeds
4. My breeding scheme
5. Bulls that fit my goal

BETTER COWS | BETTER LIFE
Step 1. Farming systems navigator

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

1. Are your dairy cows grazing during lactation?
   - Yes
   - No

2. What is your main focus?
   - Maximum production per kg of grass
   - Maximum production per cow

3. Are your cows fed with more than 20% supplements in their ration?
   - Yes
   - No

Farming systems:
- Grazing system
- Semi grazing system
- Semi mixed ration system
- Mixed ration system
DISSEMINATION IS CRUCIAL: KNOWLEDGE

Artificial Insemination Course (IA)

About the course
The course empowers those interested in an objective, theoretical and practical training of 36 hours. With AI, you promote genetic and productive breeding, corrective mating, herd standardization, choice of animal sex, and more. It is the CRV Lagoon offering the true democratization of genetics!

Target audience: Students, technicians or other professionals related to the agricultural sector.

Learn more about the course and sign up

Course of Animal Genetic Improvement - Cutting herds

About the course
The course of animal genetic improvement (cutting herds) will bring the necessary tools for the development of Brazilian beef cattle. Basic concepts will be addressed and applied in animal genetic improvement. Productive aspects of the Nelore matrix. Best practices in the productive and reproductive management of herds in selection. Selection of progeny tests and bulls for mating season. Selection indices, interpretation of genetic evaluation report concepts about crossing and practical exercise of CPML evaluation.

Target audience: Farmers, professionals of the area and students from schools of Animal Sciences.
DISSEMINATION IS CRUCIAL: SEMEN