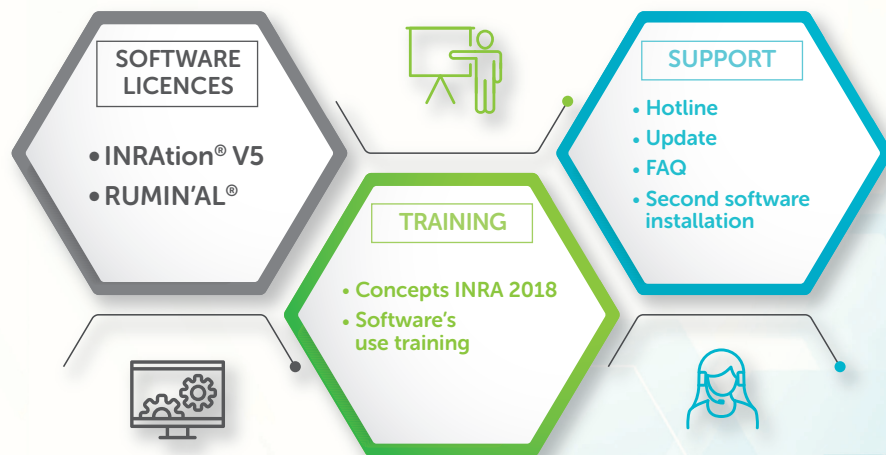


## Contact us

For a full range offer adjusted to meet your needs  
(number of licenses, species choose, engagement period...).



Please contact us to have a quotation.

## Partnership created tools



INRA is the first research institute of agronomy in Europe; Over the past 40 years, INRA has created innovation and skills in ruminants nutrition.



24 livestock consulting companies shared their skills to create management tools for breeders and advisors.



# INRation® V5

# RUMIN'AL®

## THE benchmark software for ruminant diet formulation



The only  
tools using  
the INRA 2018  
System



www.portabelle-communication.fr - 02 43 69 36 80 - Photos: Istockphoto - 10/18.



## Contact us

contact@inration-ruminal.fr  
www.inration-ruminal.fr



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## By choosing INRation® V5 - RUMIN'AL, you:

- > Implement the latest standards for formulating rations.
- > Strengthen your expertise in nutrition.
- > Secure the prediction and enhance your advice.
- > Access the best rationing model and speak the very language of the whole chain stakeholders.
- > Innovate.



- > More realistic model.
- > More precise evaluation.
- > Greater account of large types of diets.
- > Multicriteria analysis of diets.
- > Environmental balances: CH<sub>4</sub>, urine.
- > Simulation of different feeding strategies.
- > Import of forage lab analysis.
- > Calculation of water requirement.



Feed



Concentrated



Minerals



## INRation® V5

Based on the modules that made it successful and strengthen its features by including:

- > Updated feed tables and new **Prévalim** tool for nutritional evaluation of forages and concentrates.
- > **Step further** in diets formulation : mineral optimization, grazing conditions, comparison of several rations.
- > **Detailed evaluation** of feeding plans on technical aspects as well as economical and environmental point of view.
- > From the feed **bunk** management to the precise amount of **concentrates** for each cow.
- > Numerous **editions**.
- > **A connected** and disconnected mode.

## RUMIN'AL®

Integrates all the functionalities of INRation® V5 with in addition the possibility of:

- > **Customise** your tools.
- > **Create** your own nutritional feeds and diets characteristics.
- > Wide range of **parameters**.
- > **Benefit of add-on modules:** feed supplies and purchases management, individualized amount of concentrates.

### The only diet formulation software using the news **INRA 2018 System**

- > **New concepts:** rumen protein balance, feed level (FL), variable efficiency of PDI...
- > **New diet formulating conception:** the values of feed in a diet are no longer fixed and vary according to the diet and animal characteristics. The feed tables only give reference values for fixed conditions of use.
- > **New calculations:** voluntary dry matter intake depending on metabolisable protein content of the diet, milk yield responses to dietary changes, nutrient flows, urinary and fecal nitrogen excretion and methane emissions.

