



The referent of the applied research for sugar beet



Field expertise

Innovation



Disseminating solutions



Performance



Productivity





## Our MISSIONS

Applied Agricultural Research Organization for sugar beet, the Institut Technique de la Betterave (ITB) is the interprofessional organ of the sugar beet industry: beet growers and manufacturers of sugar, alcohol and ethanol.

ITB is the leading and vital international referent to increase productivity and competitiveness of sugar beet, at level of the farm, of its territory and of its sector.

At the heart of current and future scientific, technical and communication tools, the institute is in line with societal and environmental expectations.



## Our expertise to PRODUCE BETTER and MORE

### Genetics and varieties :

- contribute to breeders' genetic guidelines,
- assess different varieties and their sustainability,
- advise farmers in their varietal choices.

### Agronomy :

- optimize the place of sugar beet in the crop rotation,
- evaluate new farming practices,
- adjust irrigation and fertilization.

### Weeding, diseases and pests :

- test and put forward programs that are efficient, economical and respectful of the environment,
- participate in surveillance networks and alert,
- implement integrated protection.

### Agricultural equipment :

- test technological innovations,
- advise on the appropriate settings for each material.



ITB is a technical agricultural institute qualified by the Ministry of Agriculture, and federates its actions with all the other agricultural institutes within the ACTA.



... diffusor of knowledge and progress



ITB shares **technical advances** within its whole sector, releases them to advisors, farmers and industry partners, through events, publications, Internet and the agricultural press.



**3 annual guides** : Pense Betterave - Guide de la Betterave sucrière - Les enseignements de la campagne (8 regional editions)



**9 regional annual technical committees** (2 000 participants)



**8 decision-making tools** proposed by ITB

Presence on Internet and social networks

Thematic videos



International diffusion through IIRB meeting and congresses

**300** press mentions each year in the agricultural press

**18 annual publications** on Sugar Beet Technique in the magazine "Le Betteravier français"

**3 regular events** : Désherb'Avenir, Betteravenir, démonstration of plant cover

**16 400 subscribers** to the monthly situation news and regional briefing notes

Permanent field presence



... partner of major projects



## A sector project : AKER



Betterave2020

- Future Investment Project managed by the National Research Agency (ANR) in France.

- In partnership with the INRA and ten other

organizations (schools, agricultural development organizations, trade unions, research organizations, seed producers ...).

AKER's goal is to improve productivity of sugar beet by doubling by 2020 the annual growth rate of its sugar yield per hectare. This project will make accessible improved varieties to farmers, which will increase competitiveness of the French industry to meet the expectations of the global market.

Within this project, ITB is in charge of the "development of new phenotyping tools".

(see [www.aker-betterave.fr](http://www.aker-betterave.fr))

AKER is an innovative program that covers both research, development and training.

ANR



With the multiple challenges of today's agriculture, ITB is at the heart of diversified partnerships and numerous projects to advance research on sugar beet. It is actor of two exemplary projects.



## An inter-institute project : Syppre



ARVALIS Institut du végétal



Terres Inovia Programme de recherche

- Inter-institute project led by the ITB, Terres Inovia and Arvalis-Institut du végétal for a first period of ten years

(2013-2023).

The Syppre project aims to support the development of innovative systems in field crops, optimized compared to the existing, and are meeting the objective of triple performance: physical productivity, economic profitability, environmental excellence.

Syppre is part of the European project DiverIMPACTS "Diversification through Rotation, Intercropping, Multiple Cropping, Promoted by Actors and Value Chains towards Sustainability", as part of the program Horizon 2020.



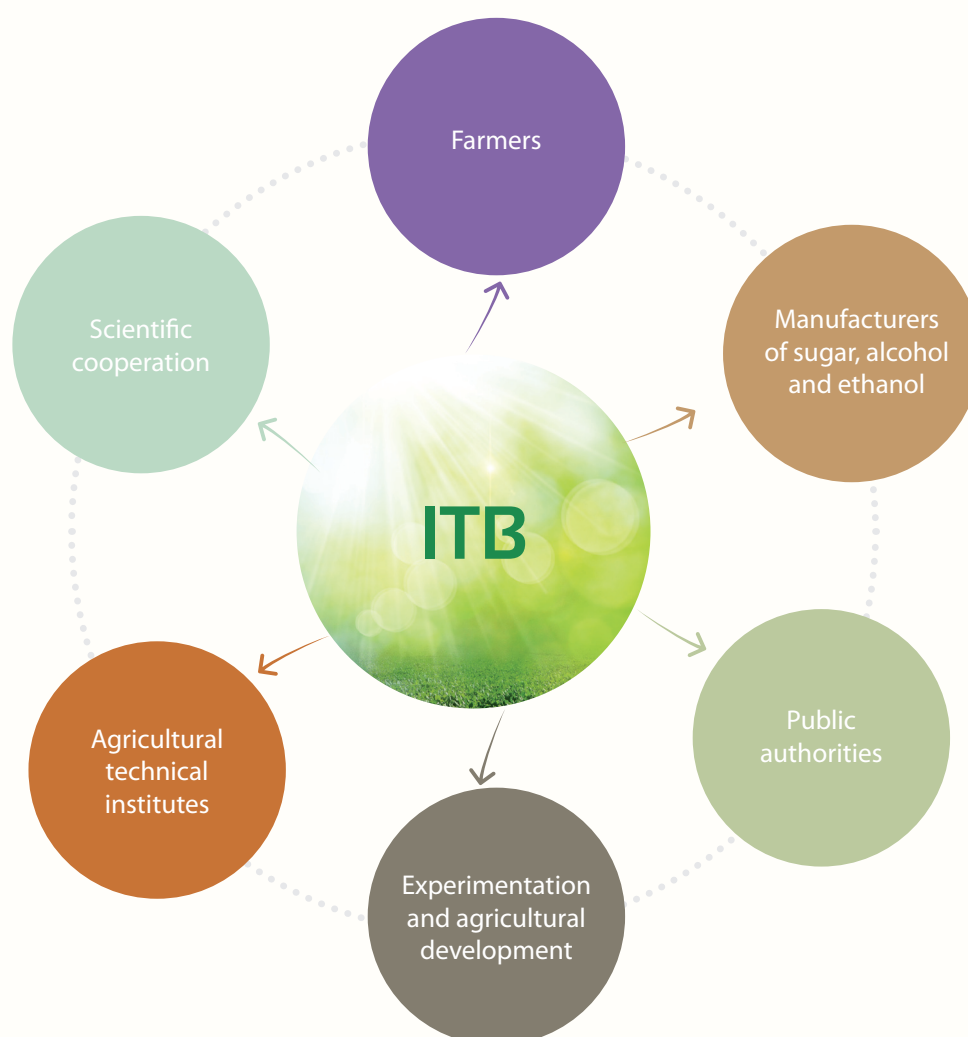


... at the heart of a diversity of actors



ITB is the **referent** to meet, in the best way, the **expectations** of the **industry** :

- by being at the heart of innovation to respond to current issues,
- by proposing and experimenting any new technique with trials in sugar beet regions,
- by making sure of the transfer of knowledge to actors of the sector,
- by analysing and modelling all variables impacting culture,
- by identifying practices through surveys, plot monitoring networks and a strong presence on the field to analyse and anticipate technical developments,
- by producing consulting tools to achieve multi-performance,
- by actively participating in international beet research bodies (IIRB).



# ITB in figures



Its **scientific and technical performances** are based on a perfect balance between applied research, field presence and field experimentation.



**30 research project**

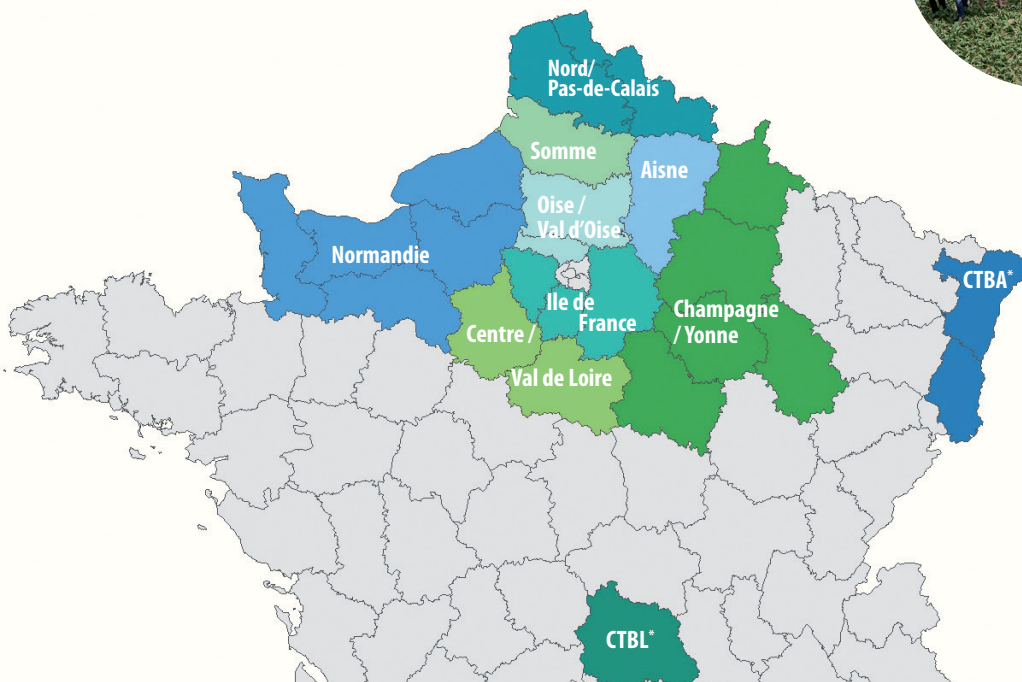


**1 experimental centre**

located in Laon (Aisne) dedicated to the preparation, reception and quality analysis of experiments



**38 collaborators**  
including 21 experts in regions



**8 regional delegations**

certified BPE (Bonne Pratique d'Expérimentation - good experimental practice) et Certiphyto Conseil

\*Partnership with :  
- CTBA : Centre Technique Betteravier d'Alsace  
- CTBL : Centre Technique Betteravier Limagnes

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