

FOR THE HEALTH OF THE EARTH



SOBAC

PRODUCERS OF HUMUS

SOIL FERTILITY - TREATMENT OF EFFLUENTS - METHANATION

AGRICULTURE



SOBAC

For the soil, for a long time.

AGRICULTURE

Improved carbon footprint.



The range of products sold by SOBAC is manufactured by our partner SMC, based in Aveyron, and our subsidiary Futuragri, located in Bourré in Loir-et-Cher. Operational since 2007, it helps meet the increasing annual demand of around 20%.



We obtained standards ISO 9001 and 14001 in 2006. Our annual production capacity is 60,000 tons. Our carbon footprint resulting from the manufacture of our products is 2.3 times lower than that generated by the manufacture of nitrogen fertiliser (Study by AgroParisTech).

The directors and founders

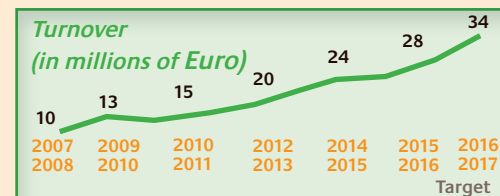


Right to left: Marcel Mézy, Patrick Fabre, Raymond Fabre, Christophe Mézy

Sobac is an SARL run by a joint management team made up of four associates: Marcel Mézy, the creator of our technology, his son Christophe Mézy, and Fabre brothers Raymond and Patrick.

● Key figures

- 1992: SOBAC created
- 2016 turnover: 28.5 million Euro (*double-digit growth for over 10 years*)
- **3 different sectors:**
agriculture - communities – gardens
- **3 core areas:**
 - soil fertilisation
 - treatment of effluents
 - methanation
- 10,000 farmers have chosen to work with Marcel Mézy® technologies more than 13,000 outlets now distribute our garden products



- **2016 Workforce:** 115 employees including:
 - An agricultural distribution network composed of 75 sales representatives and 10 regional managers
 - An administration, technical and export team, comprising around 20 people
 - A team of 10 people working for the Communities and Gardens division



● Regional and national awards and recognitions

2005 : Selected as the ENTREPRISE PILOTE for the implementation of the Sustainable Development Standard (in partnership with AFNOR, the French industrial standards authority, and the Midi-Pyrénées Chamber of Industry and Commerce. - **2006** : the "Environnement & Entreprise" award - **2006** : Sustainable Development Grant (2 competitions organised by the General Council of Aveyron) Acquisition of Standards ISO 9001 and 14001 for the Futuragri production plant. **2009** : Bactériolol® selected for the the Grand Trophée d'Or Écoproduit (the Eco-product Award)*. - **2012** : Sobac wins major sustainable development prize awarded on Monday 17 December 2012 during the 4th edition of the Grands Prix de l'Economie organised by the financial magazine Objectif News). - **2013** : Sobac wins the national "Green Business" award (prize awarded 21 October 2013 in Paris by L'Express and company Ernst & Young, during the 2013 Entrepreneur of the Year Award). - **2013** : Sobac receives an Indel d'Or from France Agricole (Prize awarded to Sobac for Bactériolol® for the social category on 9 September 2013 in Rennes by La France Agricole and L'Éleveur Laitier).

2015 : Sobac wins the Sustainable Development Prize (prize awarded on 23 November 2015 in Rodez by the Aveyron Chamber of Commerce and Industry).

*Annual challenge organised by press group J under the patronage of the Ministry of Ecology, Energy and Sustainable and Oceanic Development, 60 dossiers examined in May 2009 by a jury of 24 sustainable development professionals. 40 dossiers examined in May 2011 by a jury of 29 sustainable development professionals.

** Compost activator Bactériolol® by Sobac, 2011 Coup de coeur Eco Produit (eco-product) award in the category of garden products (soil and soil enrichment products).

The fruits of a sustainable partnership with farmers

A discovery ahead of its time

Sobac's farming roots in Aveyron are also the roots of our success. Our philosophy was always to be as close as possible to farmers and to show them how to capitalise on the asset they all possess: fertility, by restoring their real value back to the earth.

Since 1992, Sobac has been in direct partnership with farmers developing unique and renowned technologies to increase the overall profitability of farming operations whilst also improving the quality, fertility and health of soil, crops and animals. Because of many conventional practices that have been embedded for over half a century, it took time to prove to and convince people that it was possible to produce as much, if not more, by decreasing or even eliminating the use of chemicals.

An expanding range

Since 2016, Mezagri and Sobac have been developing Bactériometha®, which brings real added quantitative, qualitative and environmental value to the Methanation process. This new product increases the production of biogas, promotes the release, stabilisation and balance of the digestion process and also enables agitation-related energy savings.

10 000 users, effective ecological farming

Humus brings soil to life whilst helping to combat global warming and water pollution.

Applied via seeding, Marcel Mézy® technologies install a veritable ecosystem in your soil, quickly producing and transforming organic matter, collecting the elements in the air, nitrogen and CO₂, and reorganising the soil's organic matter and minerals to add and increase its richness in humus and restore its natural fertility. It also helps reduce or even eliminate the use of chemical fertilisers.

(117% more humic acids, test by Lara Europe Analyses).

More humus means more carbon stored.

The development of the production of humus using Marcel Mézy® technologies enables, among other things, the sequestration of carbon and nitrogen, which reduces their emission of greenhouse gases.

What is humus?

Humus serves as a natural nutrient supply for plants and plays an essential role in the health and life of the soil. Soil that is rich in humus is better oxygenated, more aerated and more resilient with a more diversified fauna. Similarly, humus has a large capacity for storing



A healthy soil means high-quality produce.

Everything starts with soil. That's the principle here at Sobac. A living soil is a healthy soil and the humus content of soil is the best proof of that. Decades of chemistry, erosion, and weather have degraded soil on a worldwide scale and Marcel Mézy® technologies proves it is possible to give soil back its fertility by increasing its humus content. These technologies are effective in all sectors of agriculture. In livestock farming, they boost the relationship between soil, plants and animals with the production of high-quality fodder that benefits the health of the animal and quality of the produce. They also mean that the use of fertilisers and pesticides can be significantly reduced or even eliminated from crop farming for greater nutritional quality of produce, combining both quality and yield whilst protecting the environment.

carbon and nitrogen, thus reducing the greenhouse effect. By reducing leaching and nitrogen leaching, it protects water tables. Humus is a real ally for farmers, facilitating tillage and providing agronomic solutions that actually exceed agro-environmental standards.



istockphoto.com - stevanovicigor

BACTÉRIOSOL® TECHNOLOGY

for the rapid production of humus in all soil types.

The effect of Bactériosol® is the opposite to the effect of a fertiliser. Rather than nourishing plants by perfusing them, it enables them to nourish themselves as they need by tapping into the nutritional elements stored in the humus, which is itself produced by spontaneous micro-organisms from Marcel Mézy® technologies, which moisten all forms of organic matter. Humus naturally replaces all types of basic fertiliser, calcium or organic soil-enriching agents and reduces or even eliminates the supply of mineral nitrogen.



BACTÉRIOLIT® TECHNOLOGY

For transforming and treating effluents.

The BACTÉRIOLIT® effect increases the fertilising power of effluents and reduces pollution (CO2 and ammonia emissions). It cleanses the atmosphere of livestock buildings and contributes to the comfort and health of animals.

BACTÉRIOLIT® was officially recognised in February 2013 by the Ministries of Agriculture and Ecology via DREAL Bretagne (the Regional Directorate for the Environment, Planning and Housing for Brittany) as a treatment method for livestock effluents for the farm-based production of standardised and marketable organic soil-enriching agents. It also received an Inel d'Or from weekly publication La France Agricole in the same year.



BACTÉRIOMÉTHA® TECHNOLOGY

For optimising methanation

BACTÉRIOMÉTHA® is a solution that uses living ingredients to improve the methanation process. During the pre-treatment of manure, liquid manure and other substrates, it enables better odour management, mainly through the reorganisation of nitrogen. This also improves the transformation of organic matter and enables easier handling and introduction of feed to digesters as well as greater homogeneity. The result is an increase in the production of biogas and a significant reduction in agitation-related energy consumption.

Selected for the 4 FOR 1000 initiative

Our BACTÉRIOSOL® and BACTÉRIOLIT® products are among those rare solutions designed to meet carbon storage and climate change objectives. They were selected by the 4 For 1000 initiative launched by the French government. Info: <http://4p1000.org/>

● BACTÉRIOSOL® range

BACTÉRIOSOL®
BACTÉRIOSOL® UAB*
BACTÉRIOSOL® CONCENTRÉ
BACTÉRIOSOL® UAB CONCENTRÉ
BACTÉRIOSOL® UAB BOOSTER 50
 (*suitable for organic farming)

● BACTÉRIOLIT® range

BACTÉRIOLIT® CONCENTRÉ
BACTÉRIOLIT®

● BACTÉRIOMÉTHA® range

BACTÉRIOMÉTHA®
BACTÉRIOMÉTHA® TL (tout liquide)

BACTÉRIOSOL® and BACTÉRIOSOL® Concentré are compliant with standard NFU 44-051.

BACTÉRIOSOL® UAB, BACTÉRIOSOL® Concentré UAB and BACTÉRIOSOL® Booster UAB are compliant with standard NFU 44-051 are suitable for use in organic farming in compliance with regulation CEE 834/2007.

BACTÉRIOLIT®, BACTÉRIOLIT®* Concentré, BACTÉRIOMÉTHA®* and BACTÉRIOMÉTHA® TL* are suitable for use in organic farming in compliance with regulation CEE 834/2007.*

**Products are NOP (US National Organic Program) compliant*

SOIL HEALTH AND FERTILITY

Unique soil fertilisation technology used by thousands of farmers for over 25 years.

Sobac has become known as a pioneer of sustainable development, renowned for our work in the health and natural fertility of soils. Located in Aveyron, we develop fertilisation techniques that are in perfect harmony with the environment and based around the quick and natural production of humus. Our agronomic solutions were developed in the 1980s by Marcel Mézy, a farmer from Aveyron. These solutions make it possible to develop the natural fertilising resources of soil and to reduce or even eliminate chemical inputs all the while maintaining the same level of yield. The numerous benefits offered by this method far outstrip the fertility stage. They affect the quality of crops and the health of livestock and, as a result, the health of consumers.

From a financial point of view, Marcel Mézy® technologies help improve farms' profits and therefore their durability.

Whether financial, environmental or agricultural, the solutions offered by Sobac have provided a response to the requirements of sustainable development that was ahead of its time. They are mainly geared towards agriculture but also are used by communities and the wider general public.

CONQUERING EUROPE

Sobac exports its technology across a number of countries, providing solutions to the agricultural demands and challenges of today as well as tomorrow. Since our first plant was established in Germany, farmers from numerous countries have now adopted Marcel Mézy® technologies thanks to partnerships created with distributors in Morocco, Spain, Ireland, England, Belgium, Netherlands, Poland, Hungary, Portugal and Switzerland.

Committed to sustainable development since 1998.

An incredible journey marked by numerous awards

Since 1998, Sobac has been the only ecosystem for agriculture and plants in the ADEME guide*. Seventeen years later, along with Mezagri**, it will once again be the only company within the agricultural sector to be presented by the ADEME at the **COP21 2015** in Paris as a solution to global warming within agriculture. Since then, the company has been given numerous environmental, agricultural and financial awards both regionally and nationally.

*French Agency for the Environment and Energy Management guide «Product design and the environment, 90 examples of eco-design».

** Marcel Mézy® technologies are developed by Mezagri

Marcel Mézy® technologies or the “3rd agricultural revolution”

AIn the early 1980s, thanks to his acute sense for observing nature, Marcel Mézy became interested in the function of soil itself and more specifically, the natural formation of humus. Through extensive research and testing he developed technology based on the action of certain micro-organisms. This discovery was called the «third agricultural revolution» by Professor Marcel Mazoyer*. Research and experiments are regularly conducted with official organisations and agricultural partners. Their results continue to offer innovative solutions for us and our environment.

*Marcel Mazoyer, a teacher at the Paris Sud University, was a lecturer of Comparative Agriculture and Development at AgroParisTech, director of the INRA Department of Economic and Social Sciences, editor of the latest Larousse Agricole and chairperson of the Programme Committee of the FAO (1983-1993).

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