

Miscanthus industry in France

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France Miscanthus

France Miscanthus's mission is to contribute to the **structuration** and the **development of the miscanthus industry** in France, and to represent all actors. It **has 18 members**.

Miscanthus rhizome
producers and
providers.

- Novabiom
- Rhizosfer
- Miscampagne

Miscanthus cane
producers and
providers.

- Lamont Colin Energie
- SCEA Gueldry Terre et Soleil
- Bourgogne Pellets
- Cristal Union - SideSup
- UCDV
- Luzéal
- SunDeshy
- CapDea
- DeshyOuest
- BES 77
- SCEA BioBaron

Dealers

- Invivo Agrosolutions

Organizations

- CGB
- Chambre d'Agri NPDC

Coopérative

- Cooperl



Carte des adhérents de France Miscanthus (Google Map)

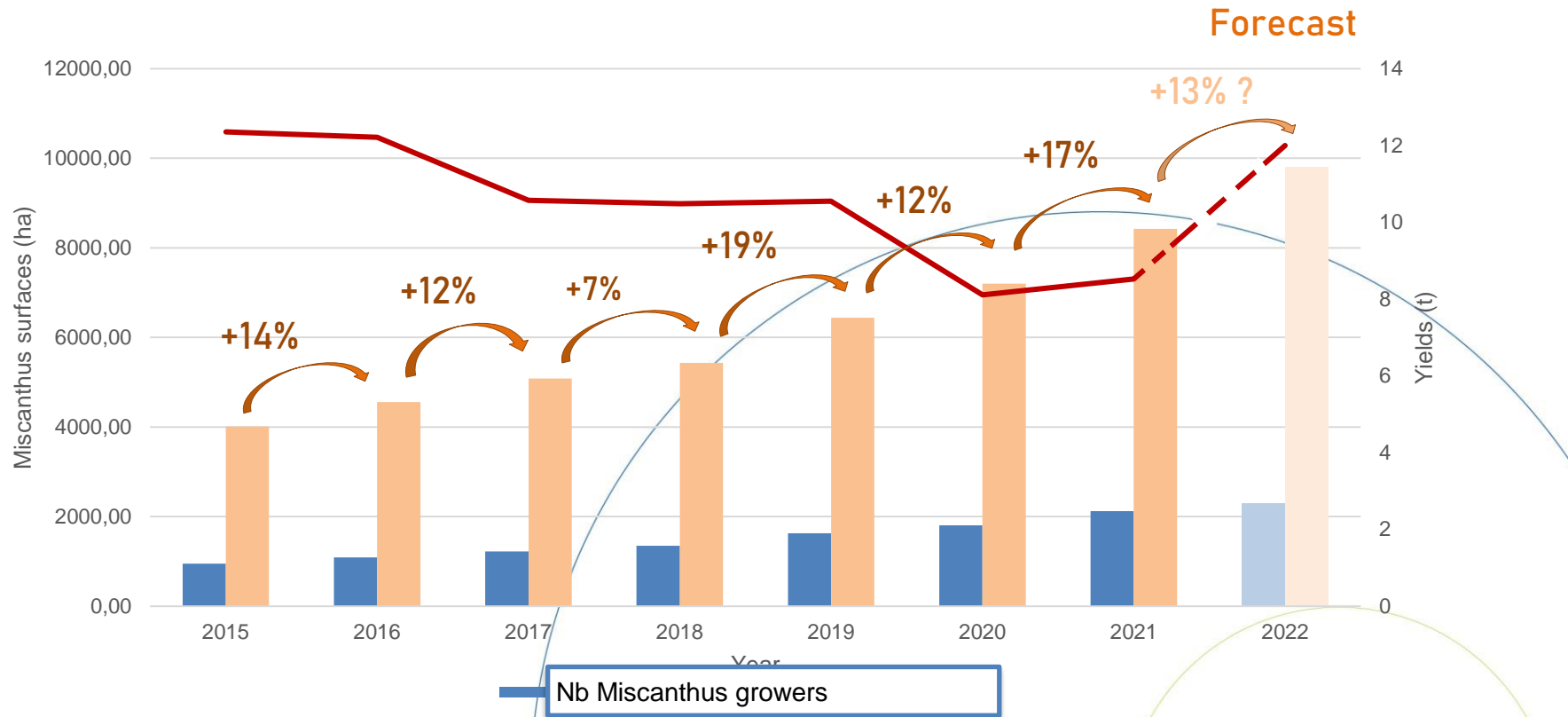


**Rapidly growing miscanthus
surfaces**



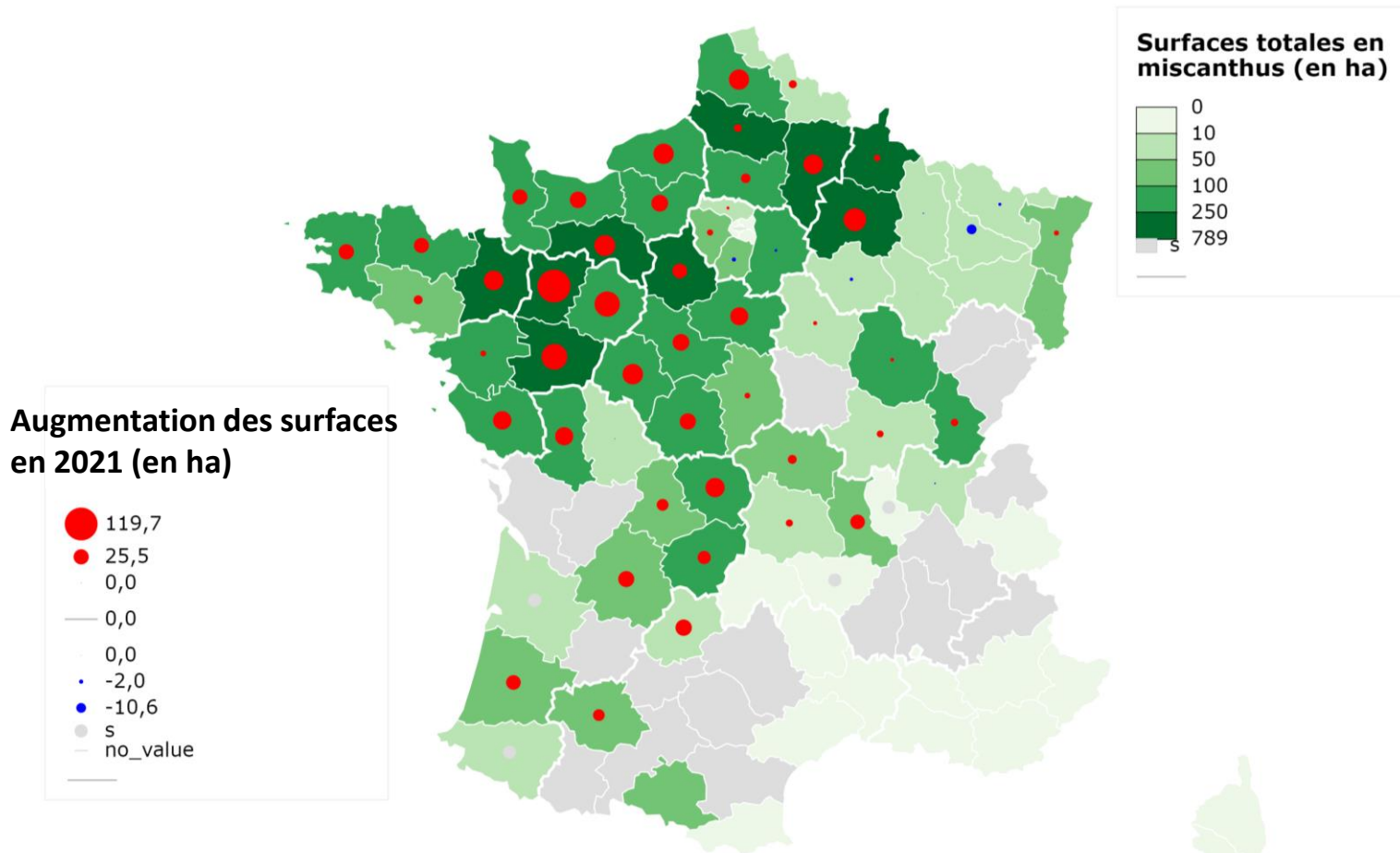
The image is a composite of two photographs. The top photograph shows several tall, slender stalks of miscanthus grass with feathery, light-brown seed heads reaching up towards a bright blue sky with wispy white clouds. The bottom photograph shows a dense, thick field of mature miscanthus grass. The leaves and seed heads are a rich golden-brown color, indicating they are ready for harvest. The overall composition highlights the growth and maturity of the miscanthus plant.

Yields, surfaces and number of growers from 2015 to 2021 & 2022 forecast.



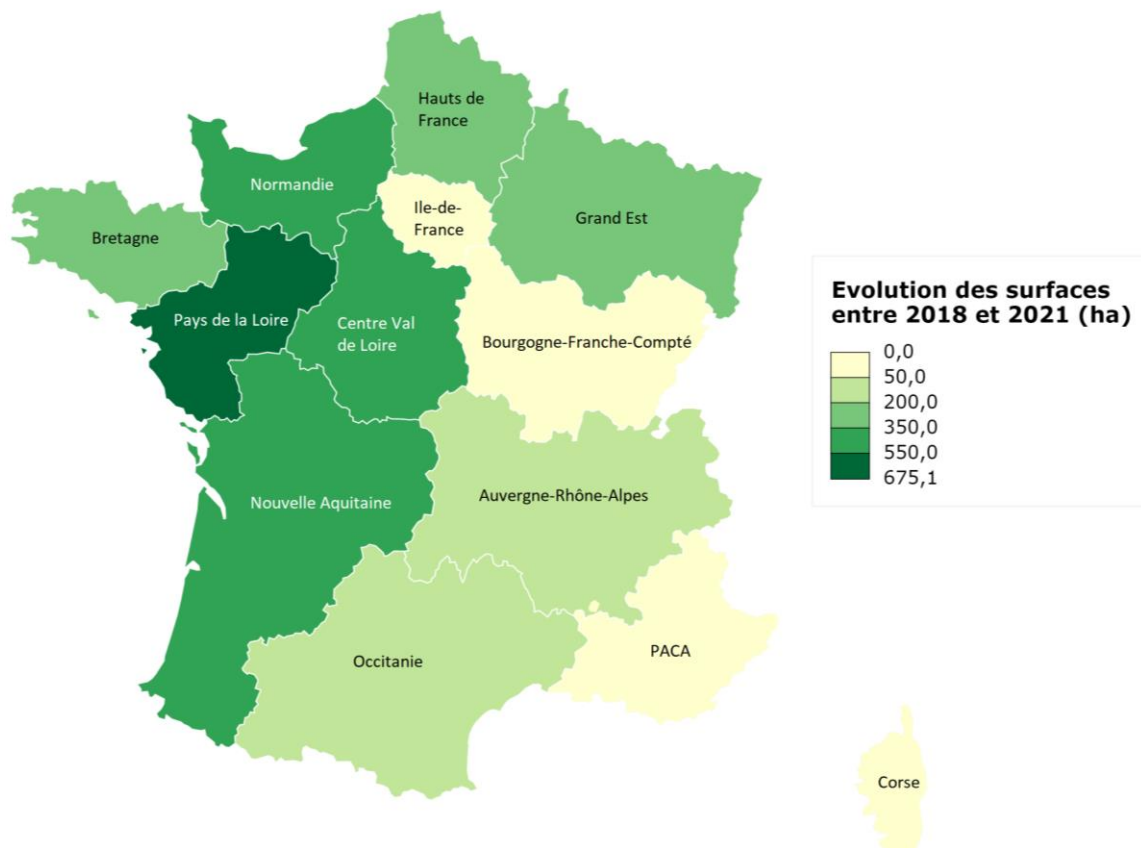
- ⇒ Planted surfaces growth rate of **13%** on average over 6 years
- ⇒ Miscanthus **growers doubled in numbers** since 2015. **2022 forecast is 10000 ha in total.**
- ⇒ Better drought resistance than Maize.

Localisation of miscanthus grown in France in 2021



⇒ Total of 8426 ha including 1226ha planted in 2021

Trend of miscanthus implanted surfaces over the last 3 years, regional



Région	Trend since 2018 (in ha)
Pays de la Loire	+ 675,1
Nouvelle Aquitaine	+ 443,0
Normandie	+ 491,9
Centre Val-de-Loire	+ 406,0
Hauts de France	+ 298,1
Bretagne	+ 242,9
Grand Est	+ 203,1
Occitanie	+ 111,4
Auvergne Rhône-Alpes	+ 58,1
Bourgogne Franche-Comté	+ 38,9
Île-de-France	+ 10,4
PACA	+ 0,5
Corse	+ 0

⇒ 3 000 extra ha planted since 2018

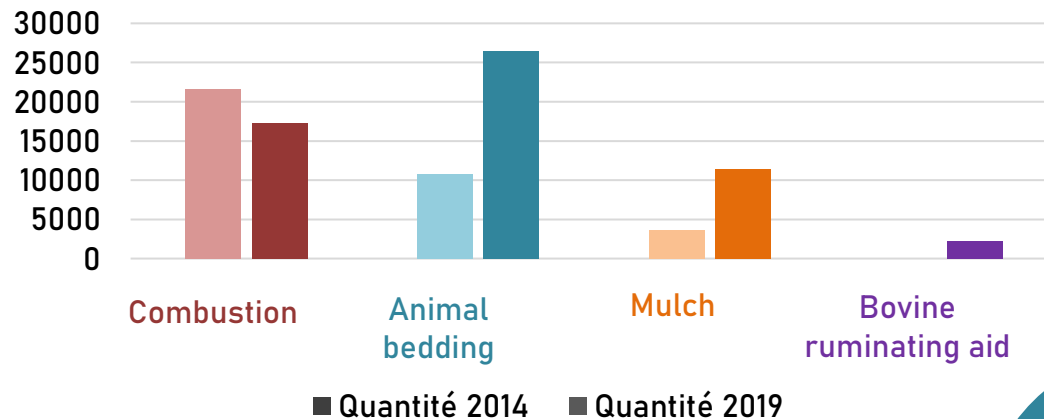
⇒ Growth mainly localized in the North – West and West of France

The background of the slide is a close-up, high-resolution image of a large pile of light-colored wood chips or mulch. The chips are irregular in shape and size, with some showing the natural grain of the wood. A semi-transparent white horizontal band runs across the middle of the image, serving as a backdrop for the title text.

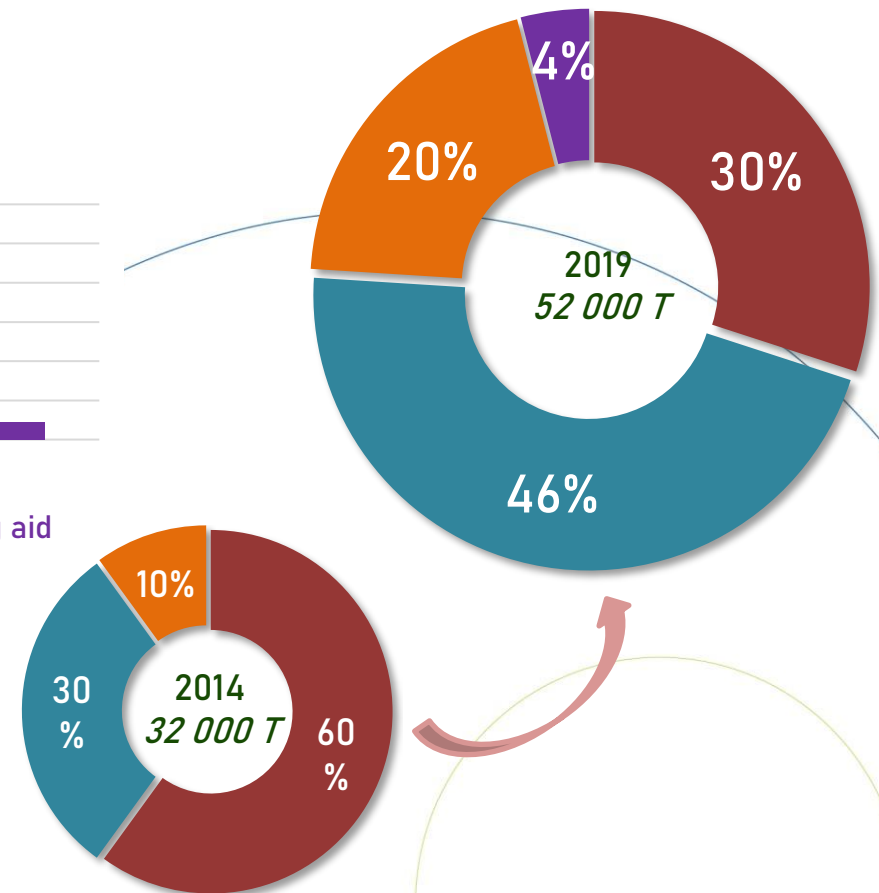
Miscanthus end uses

Trend for french miscanthus production and main end uses from 2014 to 2019

Quantities (tons) for each end use in 2014 and in 2019



- Combustion dropped from 60% total production in 2014 to 30% in 2019 meaning only a slight volume decrease from 20 000 T to 17 000 T.
- Animal bedding raised from 30% total production in 2014 to 46% in 2019
- Mulching from 10% in 2014 to 20% in 2019
- Dairy cows ruminating aid reaches 4% total production in 2019



Other end uses : Biobased products new developments

Biobased building materials :

Non bearing isolating concrete blocks : work in progress well advanced.

Bearing isolating concrete blocks : work in progress.

Biopolymers

Degradable compounds for automotive industry (Novabiom/addiplast)

Biobased resins (Polybiom)



Some of these topics where part of research projects such as *Biomass For Future* and *Grace*.

Outlook on french regulations



Regulations

Thanks to its many environmental assets, miscanthus is eligible to :

Ecological Focus Areas (obtained 2018)

No chemical treatment zones (ZNT)

Water catchment areas.

- Chemical free crop husbandry.
- Strong Nitrogen retention capacity mitigating nitrate leaching.
- **Water pollutant fiFiltrage des polluants** contenus dans l'eau
 - Les **Agences de l'Eau** encouragent et appuient de plus en plus sa plantation dans **des zones de captages d'eau** (ex : Allier, Agglomération du pays de Dreux,...)



Regulations

Organic farming:

Miscanthus is currently undergoing organic certification in order to be eligible to conversion subsidies.

Mechanical weeding will replace chemical weed control during establishment .



Regulations

France Miscanthus is working to integrate miscanthus in the french decarbonation scheme called *Label Bas Carbone*

It will be included from 2023 onwards in the *Label Bas Carbone* arable crops calculation method.

- Le miscanthus could then contribute to extra **carbon credits for farmers**



Regulations : CAP 2023

- Eco - regimes : Miscanthus will be eligible and farmers will benefit from points, that will enhance CAP per ha subsidies for farmers.
- High Environmental Value (HVE) : Miscanthus will also be included in H.E.V. schemes.



Thank you for your attention

