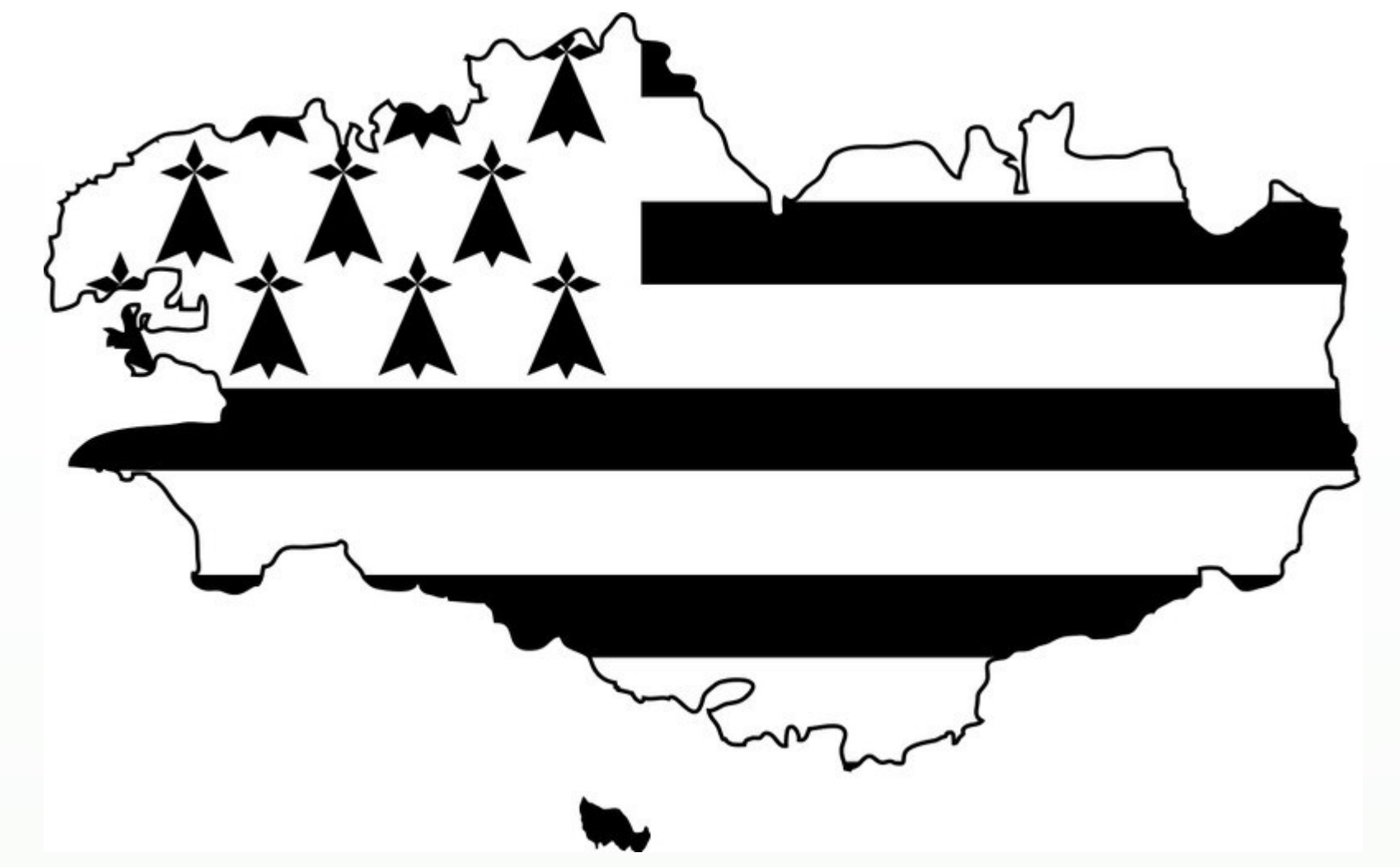


Manufacture of organic fertilizers derived from livestock manure



Interprofession
des Fertilisants
Organiques
de l'Ouest



Context

Given the high density of farms and regulation, many farmers are driven to market organic fertilizers from manure.

- ✓ 1 100 farms use a treatment solution
- ✓ 400 000 tons per year, much of which is set on the market in other French regions.



Terral

Potential for fertilizer production in Brittany

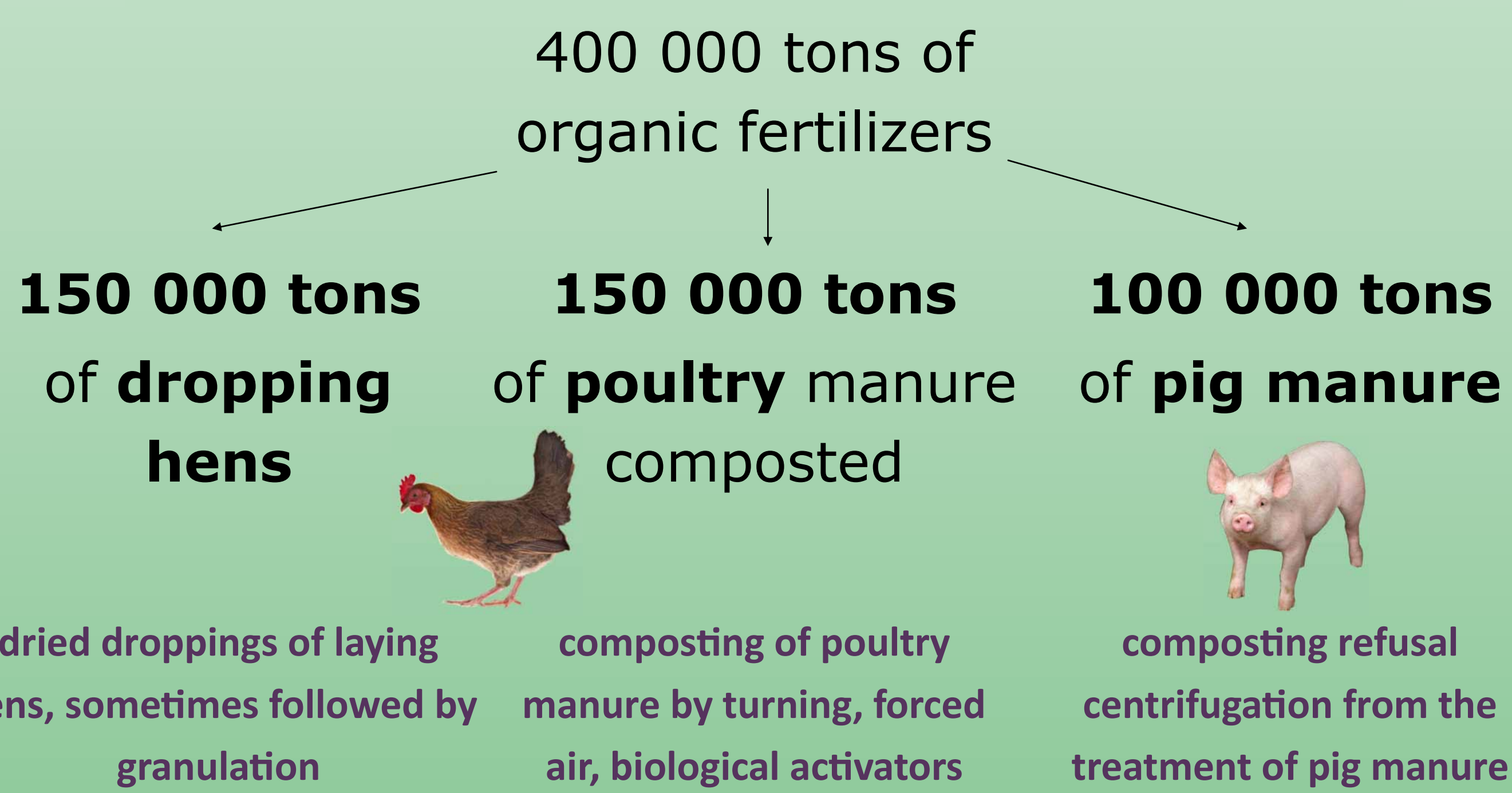
- 34 000 farms
- Area: 2.75 millions hectares, 62% of UAA
- On average, 60 hectares per farm
- Flocks animals:



Evonor

	Cattle	Dairy Cow	Fattening pig	Sow	Poultry	Layin hen
Number	2 millions	0.7 million	3,1 millions	574 000	5 millions m ² building	16,5 millions
French share		20%	56%	54%	26%	41%

- 201 000 tons of nitrogen and 120 000 tons of phosphorus produced by animals



French marketing standards

organic fertilizer
NFU 42-001 n°5
dry matter >75%
Nitrogen > 3%
Phosphorus >2.5%
N+P+K > 7%

organic fertilizer
NFU 42-001 n°7
dry matter >50%
Nitrogen > 2%
Phosphorus >2%
N+P+K >7%

organic fertilizer
NFU 42-001 n°6
dry matter >40%
Nitrogen > 1.5%
Phosphorus >3%
N+P+K > 6%



Product features

Each farmer has a ICPE order (Classified Installations for Environmental Protection) specifying all technical requirements that apply to its manufacturing of fertilizers: technical parameters to meet, monitoring, analysis frequency records, traceability

To be placed on the market, organic fertilizers made from livestock manure must meet approval or a French standard including mandatory (NFU 44051 - organic amendments NFU 42001 - organic fertilizer).

These regulations guarantee the quality and safety

These organic fertilizers are of interest in agricultural areas without livestock, where soil needs organic matter and fertilizers NPK (crops, fruit farming, market gardening, wine-growing...)

Contact :

Gabriel Menguy (chairman) : +33615454707 gabriel.menguy@nutrea.fr
Stéphanie Sommier (vice-chair) : +33622763725 stephanie.sommier@evalor.fr
Bertrand Convers : +33684765349 bconvers@cooperl.com



Interprofession
des Fertilisants
Organiques
de l'Ouest

Interprofession des Fertilisants Organiques de l'Ouest (IF2O)

The association IF2O (Organic Fertilizers for inter West) was created in 2004. It federates Breton companies with a direct link with farmers (cooperatives, food suppliers, subsidiaries or producer organization) AND involved in the processing of organic materials of animal origin in organic fertilizers and in their marketing (back contracts with farmers, research opportunities).

The members are: AGRONOR (subsidiary of GOUESSANT), AVELTIS, COOPERL ARC ATLANTIQUE, CECAB, EVALOR, NUTREA, UKL-ARREE, TERRIAL (subsidiary GLON-SANDERS) TRISKALIA.

Each member of IF2O structure provides employees as "experts IF2O" for national standardization of organic fertilizers, to improve the quality of organic fertilizers and recovery.

IF2O also enjoys the animation UGPVB (Union of Producers of meat Britain) and technical support of the CRAB (Regional Chamber of Agriculture of Brittany).