



Valagro Carbone Renouvelable wins the Agrobiobase award 2015 with its fully bio-based superabsorbent.

Valagro Carbone Renouvelable wins the third edition of the Agrobiobase award. The 100% bio-based super-absorbent, developed by the R&D center of Poitiers, is distinguished by its innovative feature, its bio-based content and its environmental and socio-economic impact.



SAP-BIO-09 is the name of the superabsorbent* developed by an IAR cluster's member: Valagro Carbone Renouvelable.

From corn to diapers

Developed from itaconic acid, obtained by fermentation of corn by-products, the bio-based superabsorbent SAP-BIO-09 can effectively replace petrochemical ones.

Valagro Carbone Renouvelable researches the best three-dimensional structure (crosslinked polymer) of itaconic acid to obtain the best possible absorption capacity; so a product that absorbs a large quantity of liquid very quickly and without release.

SAP-BIO-09 can be used in products requiring high absorption capacity, like diapers, absorbent paper, cosmetics gelling agents, cooling textile fibres, artificial snow, sanitary napkins, hydrating gels burns, temporary protection against flooding, urinals disposable, gel lighter, nutrient solutions for soil or plants.

Currently at the pilot scale, Valagro Carbone Renouvelable now approaches industrials for the scaling up.



Award ceremony

Elected by the participants of the international congress Plant-Based Summit held in Lille (France) last April 8 & 9, Valagro Carbone Renouvelable received the Agrobiobase award and a € 5,000 financial support. This third edition of Agrobiobase award is organized by IAR Cluster, under the auspices of the French Ministry of Agriculture, Agrifood and Forestry, with the support of ACDV, and with the cooperation of Formule Verte

* A superabsorbent is a material able to absorb more than 20 times its weight in water.

Agrobiobase

Developed by IAR, Agrobiobase is an online showcase of bio-based products, improving contacts between suppliers and users of plant-based solutions, at the international scale. Launched in September 2010, this unique and innovative tool promotes the development of bio-based products. About 300 products are today listed, proposed by 80 suppliers from 12 countries. (www.agrobiobase.com)

About IAR cluster (www.iar-pole.com)

IAR is the gateway to the French Bioeconomy. IAR's members aim at valorising plant based innovation for concrete industrial applications. The objective is to conceive different and sustainable biobased products and materials that will be used in the manufacturing of tomorrow's goods.

From the idea to the development, searching financing, IAR Cluster supports project leaders. Projects lean on the model of biorefinery.

IAR gathers more than 300 members from the whole field of biorefinery, and is a European reference in the European Bioeconomy.

About Valagro Carbone Renouvelable : (<http://www.valagro-rd.com/>)

Valagro is a R & D center dedicated to biomass, byproducts and industrial waste valorization.

Our mission is to support Industrial innovation with processes based on green and sustainable chemistry:

- substitute petrochemical components with biobased molecules,
- waste and byproducts valorization,
- eco-designed processes.

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