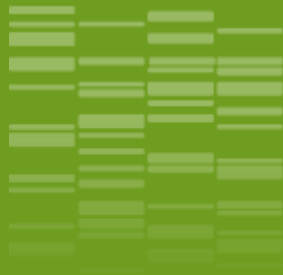


Les Défis de l'Evaluation d'Impact

Les politiques environnementales

Table Ronde France Stratégie





L'Evaluation d'impact par les méthodes expérimentales et quasi-expérimentales



France's bold bid to wean farmers from chemicals p. 144

More anti-CRISPRs discovered pp. 156, 236, & 240

Discrete brain circuits underlie parenting behavior p. 168

Science

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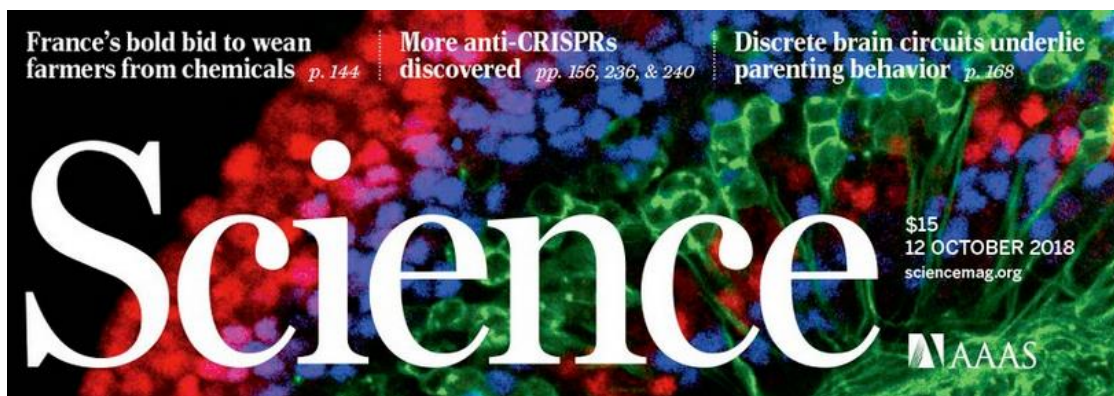
AAAS



often sprayed with copper sulfate, a mildly toxic fungicide invented in France in 1884. PIERRE HUGUET/SCIENCE SOURCE

France's decade-old effort to slash pesticide use failed. Will a new attempt succeed?

By Erik Stokstad | Oct. 11, 2018, 2:00 PM



Overall, Ecophyto has failed miserably. Instead of declining, [national pesticide use has increased by 12%](#), largely mirroring a rise in farm production.

“We lost 10 years since 2008,” says François Veillerette of Générations Futures [...] “We can't afford to waste 10 more.”

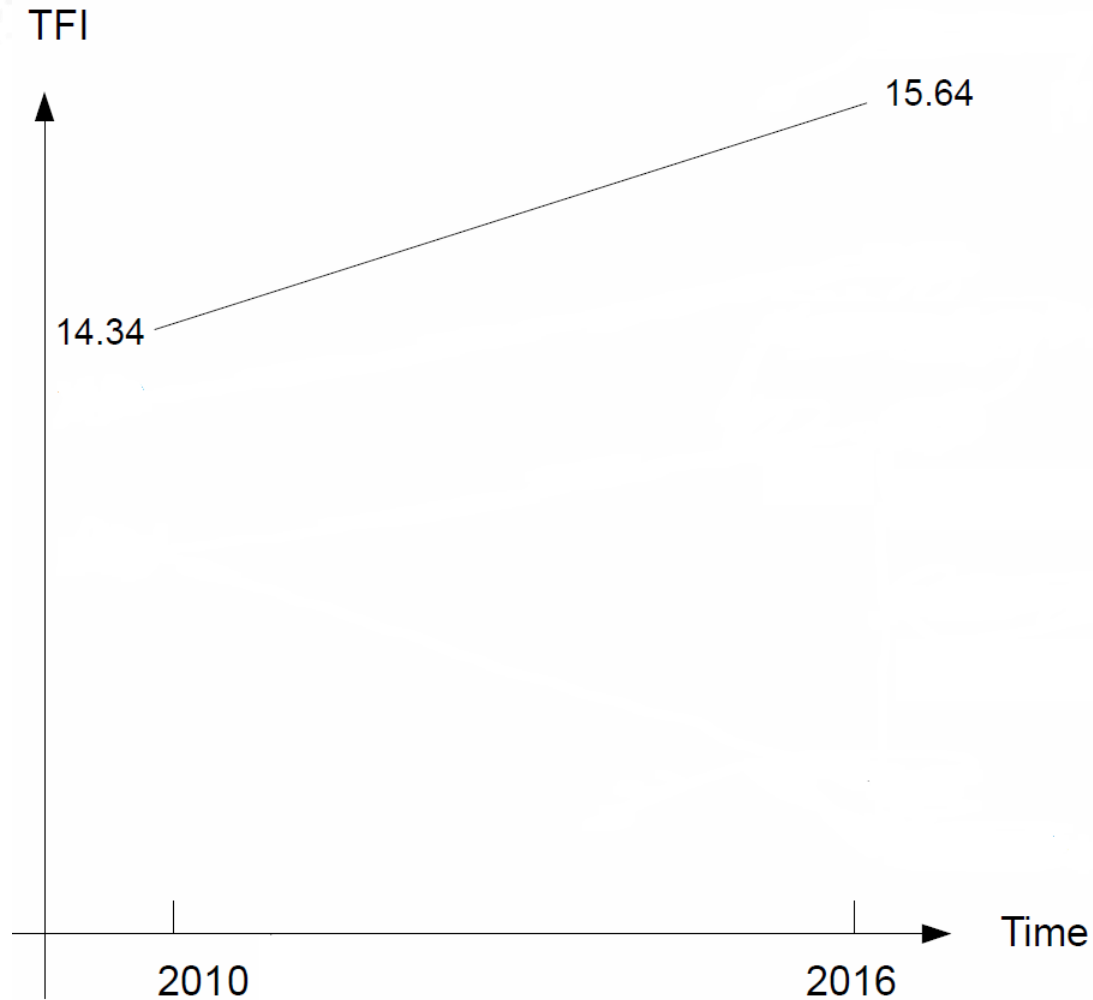
The French government agrees. Officials are now finalizing a revised plan dubbed Ecophyto 2+.

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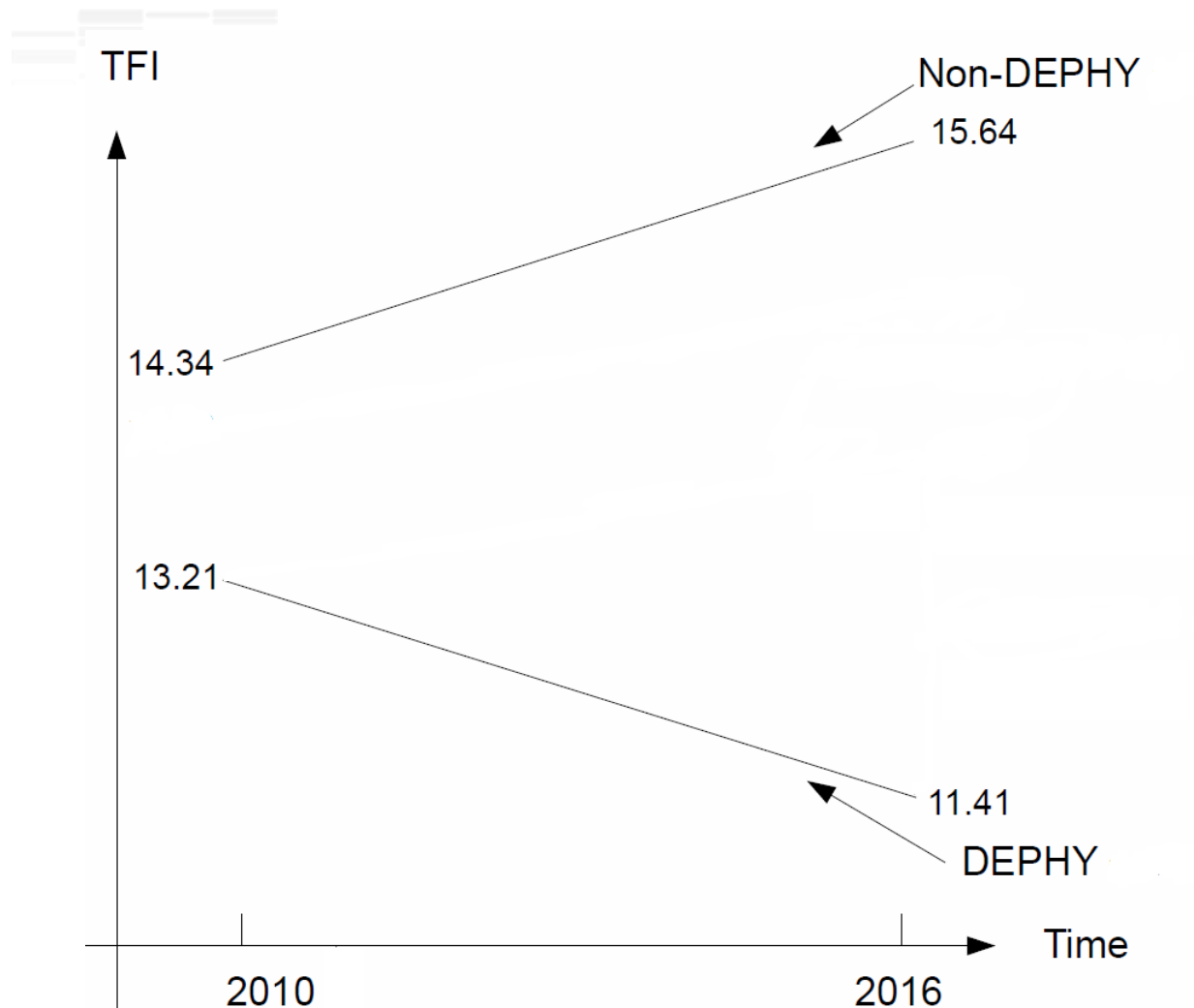
Eval. de l'impact de Dephy-Ecophyto en viticulture

Lapierre, Sauquet, Subervie (2018)



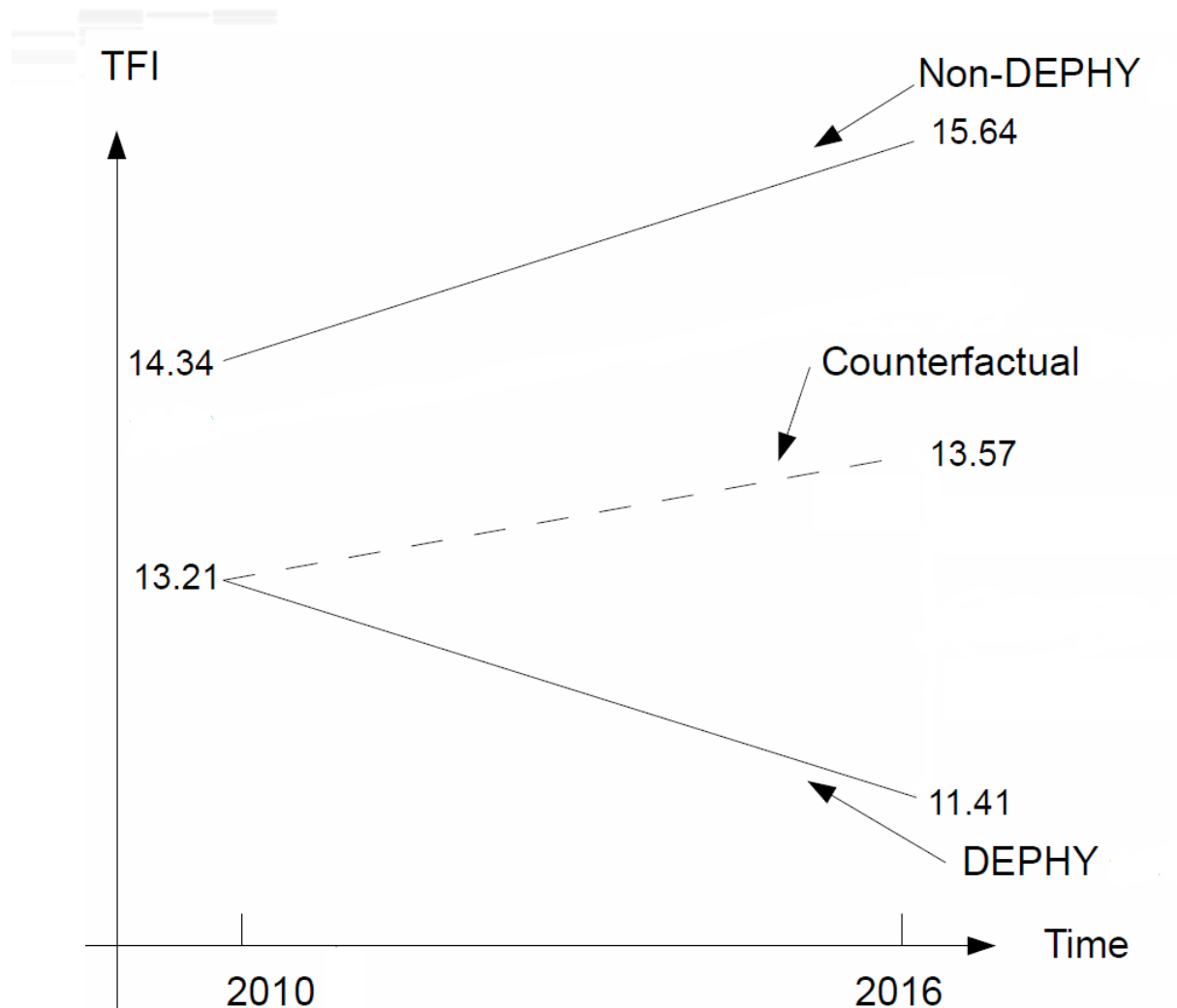
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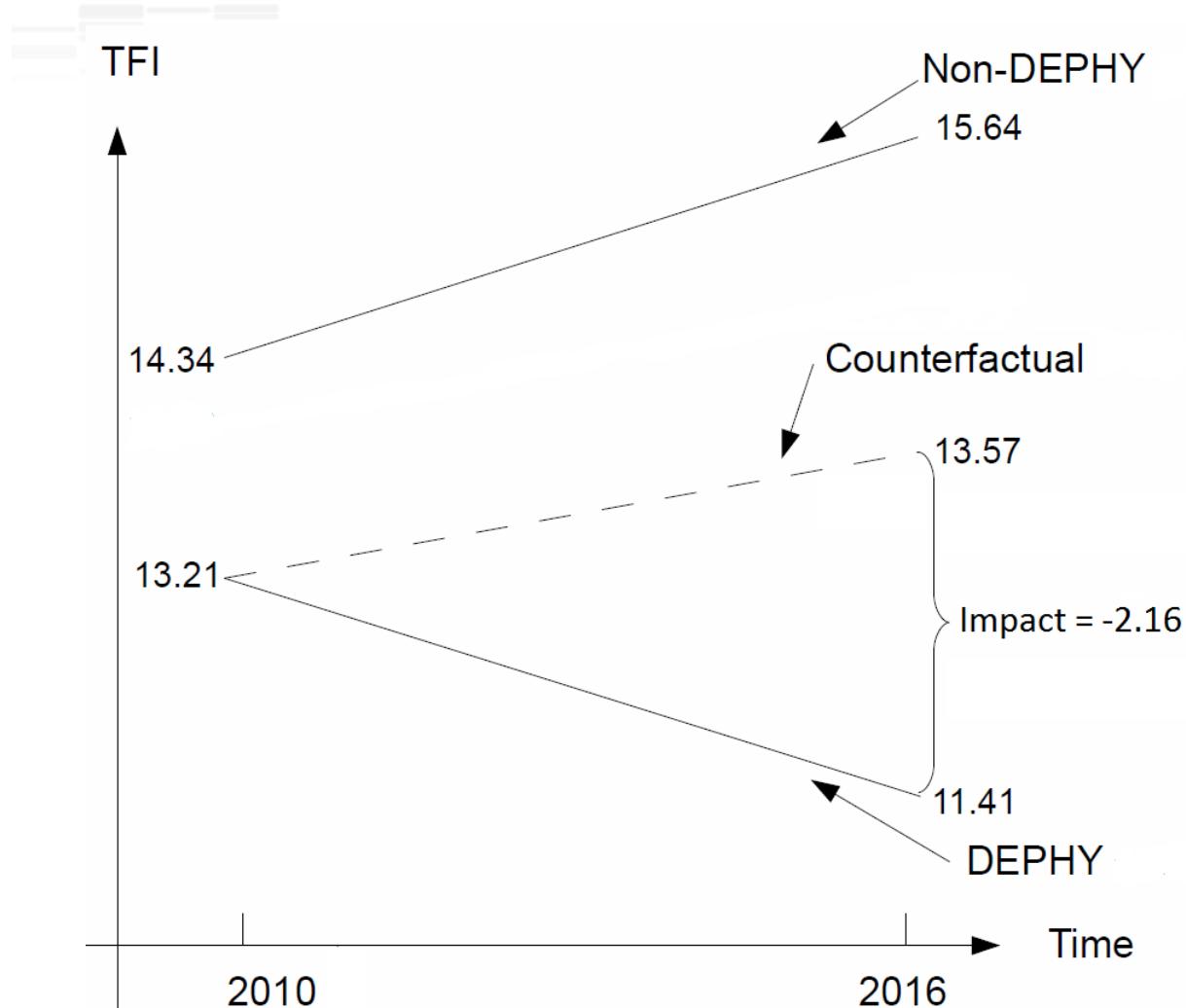
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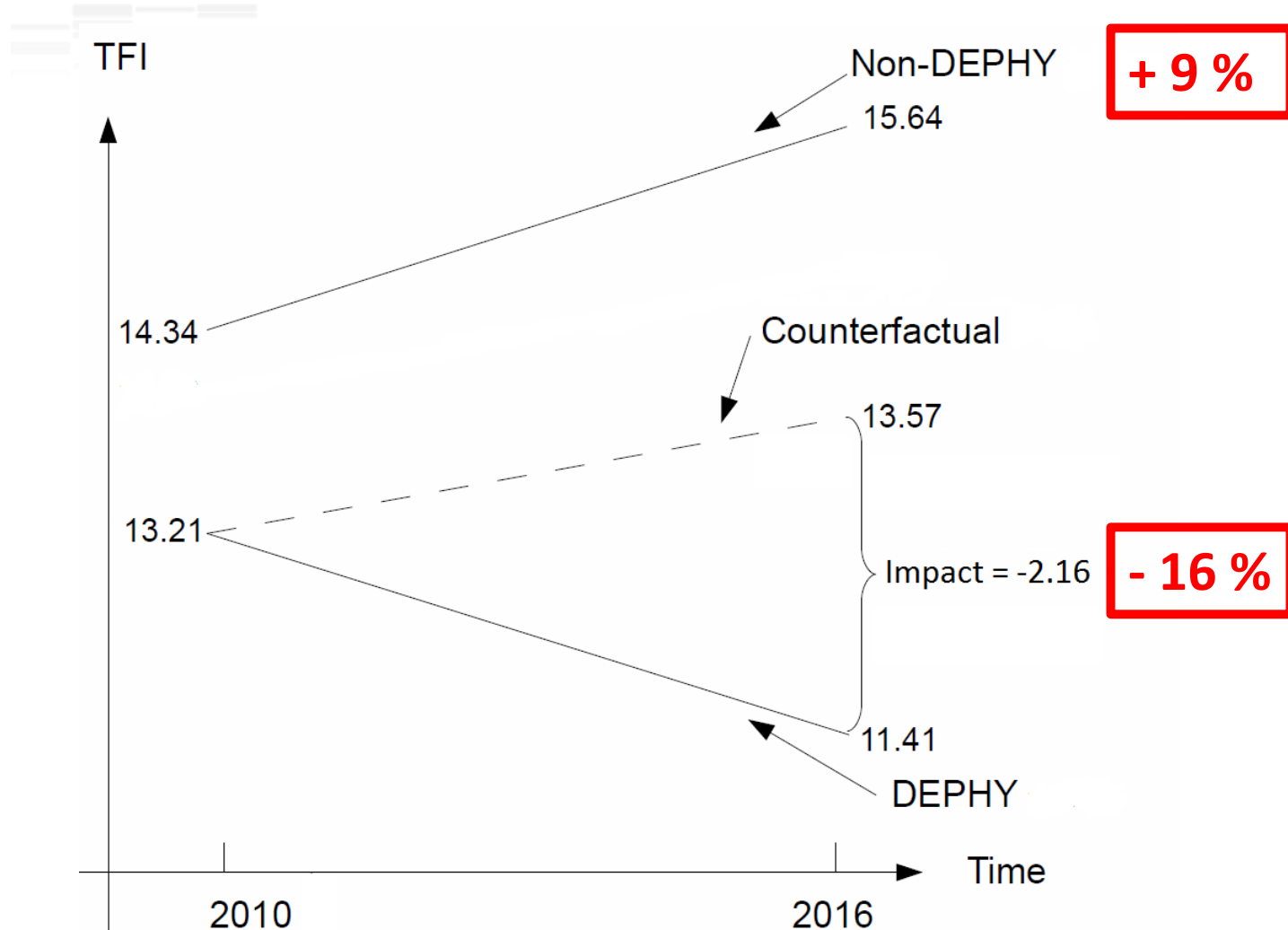
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Reconstituer le contrefactuel par les méthodes expérimentales & quasi-expérimentales

Méthodes quasi-expérimentales

- Differences-in-Differences
- Multivariate Regression
- Statistical Matching
- Instrumental Variables
- Regression Discontinuity

Problème majeur: hypothèses très fortes quant aux facteurs de l'auto-sélection dans le programme

Reconstituer le contrefactuel par les méthodes expérimentales & quasi-expérimentales

Méthodes expérimentales

- Randomized Controlled Trial
- Expérience Contrôlée Randomisée
- Expérimentation avec Assignment Aléatoire
- Expérimentation Sociale



Méthode la plus robuste (gold-standard)

Un RCT dans le domaine environnemental

Augmenter la participation des agriculteurs au Conservation Reserve Program (Wallander, Ferraro & Higgins, 2017)



**CRP General Signup
is going on now!**

The most competitive contracts received **65** or more additional EBI points for using improved conservation practices like planting native grasses. These stewards have helped improve water quality and wildlife habitat for their neighbors, and protected farmland for future generations of **Alabama** farmers. Everyone wins with high EBI's.

One of the benefits of enrolling in CRP is the stability of CRP payments. Unlike commodity prices, CRP payments are not subject to market swings.

Over **6,050 Alabama** farms have enrolled over **360,500** acres in CRP.



Un RCT dans le domaine environnemental

Augmenter la participation des agriculteurs au Conservation Reserve Program (Wallander, Ferraro & Higgins, 2017)

11700



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Rappel
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Rappel
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Un RCT dans le domaine environnemental

Augmenter la participation des agriculteurs au Conservation Reserve Program (Wallander, Ferraro & Higgins, 2017)

