

17-30 April 2023

New Sustainable Tools to Control Vector-Borne Diseases

icipe has created sustainable tools and techniques that can manage vectors and disrupt transmission cycles for some of the diseases to eradicate and curtail the spread of vector-borne diseases. This will lower the high proportion of diseases that are either missed or misdiagnosed, resulting in a lack of treatment or the use of incorrect medicines, resulting in livestock mortality and, in the latter instance, medication resistance.

- <https://news.scienceafrica.co.ke/icipe-new-sustainable-tools-to-control-vector-borne-diseases/>

A new organic fertilizer made from insects could help solve the crisis in soil health and improve crop yields in Africa.

The world's misuse of phosphorous may exacerbate the fertilizer crisis, further disrupting global food production and worsening hunger emergencies in Africa and elsewhere. The black soldier fly can provide a local solution that can regenerate soil health in the face of climate change.

- <https://www.cnbc.com/2023/new-insect-composted-organic-fertilizer-could-help-solve-africas-soil-health-and-crop-yield-crises/>

Farmers seek alternative animals feed in Black Soldier Fly

Farmers continue to prefer black soldier fly as an economical, high-quality, and ecological alternative to traditional feed. *icipe's* work on black soldier fly was featured by the KTN Farmers TV, Kenya.

[Video](#)



Social media



We feature as our **#insectoftheweek** a **#wasp** (**#Isadelphina** **#somalina**) of the species **#Chrysididae**. Chrysidid larvae are parasitoids consuming host larva, or cleptoparasitoids consuming provisions intended for host larva of other families of **#wasps**. Read more: icipe.org/content/insect...



3:37 PM · Apr 17, 2023 · 1,374 Views

JOACHIM B Retweeted



BioInnovate Africa partners working on **#mosquito** repellents produced from local **#plants**, held a fruitful meeting with Burundi Bureau of Standards (Bureau Burundais de Normalisation) to discuss standardization of their innovative products. **#bioeconomy**. [@karirekinyana](https://twitter.com/karirekinyana), [@icipe](https://twitter.com/icipe)

MinCommerce, Transport, Industrie&Tour... @MinComm... · Mar 25, 2020
La bio-diversité végétale du Burundi régorgée bcp d'extraits capables d'agir coe désinfectant naturel anti-microbiens d'où le motif de la formulation des normes pour ces produits afin de les mettre sur le marché.
Dixit Dr Jean Félix KARIKURUBU PhD, Directeur du @BBNBurundi, @wto



5:37 PM · Apr 3, 2020



PhD Scholarship for study in Feeds for Resilient Aquatic Food Systems in Sub-Saharan Africa (FASA) project | icipe - International Centre of Insect Physiology and Ecology icipe.org/news/announcem...

3:09 PM · Apr 23, 2023 · 31 Views



icipe: New Sustainable Tools to Control Vector-Borne Diseases

[@icipe](https://twitter.com/icipe), has developed several sustainable tools & strategies capable of controlling vectors & breaking transmission cycles
bit.ly/3A71xf9
#disease #ecology #Health #animals #insects



12:27 PM · Apr 18, 2023 · 116 Views

BioInnovate Africa Retweeted



BioInnovate project underway with sweet potato in Kibwezi, Kenya.

First Pic: Mr Onesmus farms sweet potato in Kibwezi, Kenya. After testing banana paper last year he has re-volunteered to test again and wants the paper. He is willing to buy and prepared to pay over Kes 5/- even



9:05 PM · Apr 19, 2023 from Kibwezi, Kenya · 468 Views



Malaria kan bekämpas – klinisk forskning på [@EDCTP](https://twitter.com/EDCTP) testar nu ett betydligt effektivare vaccin och genforskning på [@icipe](https://twitter.com/icipe) har upptäckt ett sätt att blockera parasiten i myggan. [@Sida](https://twitter.com/Sida) forsknings-samarbete gör skillnad! **#WorldMalariaDay2023**

[Translate Tweet](#)



sida.se
Ny forskning bekämpar malaria
50 års forskning har misslyckats med att ta fram ett effektivt malariavaccin – tills nu. I Burkina Faso testas ett ...

11:37 AM · Apr 25, 2023 · 226 Views

[Rsif Weekly] Rsif's fifth call for PhD Scholarships is NOW OPEN until May 2023! - mailchi.mp/icipe/rsif-wee...

9:06 AM · Apr 25, 2023 · 86 Views

Push-Pull Q&A Day

Let's remind Originating in sub-Saharan Africa, this eco-friendly technique was developed in the late 1990s as a result of collaboration between the [@icipe](#) and [@Rothamsted](#).

upscale-hub.eu

#africa #farming #naturebasedsolutions #H2020

What is the maximum and minimum size of the push-pull plot?

A push-pull plot can range from 50 x 50 m (maximum) or be used on any size farm provided the fields are demarcated into 50 x 50 m sections using border row pull crops of either Napier or Brachiaria grass.

upscale-hub.eu

Funded by the European Union

11:42 AM · Apr 27, 2023 · 150 Views

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LinkedIn: <https://www.linkedin.com/company/icipe/>

CIFOR-ICRAF took part in a project review meeting hosted by [@icipe](#) in Lusaka.

The meeting brought together researchers from Malawi, Kenya, Ethiopia, Uganda, Rwanda, & Kenya to discuss the CBFAMFEW II project achievements and develop an action plan for the remaining activities.



BERITAH MUTUNE and Sailou Niassy

4:07 PM · Apr 27, 2023 · 96 Views

A study by [@icipe](#) has revealed that [#termites](#) have rich mineral profile, high levels of fat & water-soluble vitamins & proximate composition. Our [#annualreport2022](#) has more information on icipe's [#Insects](#) for [#Food](#), [#Feed](#) and Other Uses ([#INSEFF](#)) programme: icipe.org/news/icipe-ann-...

Context	Progress in 2022	Future use of termites
Termites are widely distributed globally. In Africa, the insects are considered as a nuisance in several parts, with the winged termites (blattellids) being the most common species. The insects are harvested from the soil during the rainy seasons.	icipe has evaluated the physicochemical, fatty acids, protein, ash, minerals, vitamins and proximate composition in the <i>Mesocricetus</i> spp. in Kenya. The study revealed rich termites, the ash content was high and the levels of beneficial omega 3 fatty acids. We also identified eight essential amino acids. In addition, the termites have a rich mineral profile with eight elements ranging from 0.5 to 118 mg/100 g dry matter, as well as high levels of fat and water-soluble vitamins and proximate composition.	These termites will be used for animal feed. They will also be used for soil enrichment through crop harvesting. It might also be used for agricultural purposes.
Phytococcus beetles (<i>Cryptus</i> sp.) are natural because of their herbivorous properties, and a primary pest of maize.	Our studies show that the larvae of <i>Phytococcus</i> beetles have high amounts of crude protein, fibre, fat and carbohydrates. The larvae also contain minerals (magnesium, iron, zinc, sodium, calcium, potassium, copper, manganese, and selenium). <i>Phytococcus</i> larvae also contain a level of flavonoids and alkaloids. A. C. and B. and B. were recorded in the larvae.	icipe has been working on the use of termites and <i>Phytococcus</i> larvae as a natural feed supplement for livestock. The termites are being used as a natural feed supplement for livestock.

ACIAR and 9 others

5:24 PM · Apr 25, 2023 · 687 Views

A delegation from the National Universities Commission (NUC), Federal Ministry of Education, Nigeria paid a Courtesy call on [@icipe](#) Director General and discussed PASET [#Rsif](#) progress



9:42 AM · Apr 28, 2023 · 251 Views