

The Push Pull Farming System

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Push-pull farming systems - ScienceDirect

Economics of push-pull agriculture. Push-pull agriculture leads to beneficial economic outcomes on the level of individual smallholder and subsistence farmers through larger income streams coming from the sale of surplus grain, desmodium seeds, fodder, and milk.

The 'Push-Pull' Farming System

Push-pull farming systems. By delivering the push and pull effects as secondary metabolites, for example, (E)-4,8-dimethyl-1,3,7-nonatriene repelling pests and attracting beneficial insects, problems of high volatility and instability are overcome and compounds are produced when and where

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required.

PUSH-PULL TECHNOLOGY

Push and Pull Strategy in East Africa Developed by Kenya's International Center of Insect Physiology and Ecology (ICIPE), the 'Push-Pull' strategy may sound like something from Dr. Dolittle, but it is actually an effective technique for increasing crop productivity without relying on expensive and damaging fertilizers and pesticides.

The Push Pull Farming System

The 'Push-Pull' Farming System: The International Centre of Insect Physiology and Ecology (icipe) gratefully acknowledges the support of The Gatsby Charitable Foundation, which provided the initial funding for the push-pull programme over 13 years.

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::'PUSH-PULL': A Platform Technology for Improving ...

Push-pull is a farming system intensification approach that involves attracting insect pests with trap plants (pull) such as Napier grass (*Pennisetum purpureum*) or Brachiaria grass, while driving them away from the main crop using a repellent intercrop (push), *Desmodium* spp., commonly known as desmodium, and attracting natural parasitoids and ...

Push-pull farming systems - researchgate.net

Push-pull: an adaptive technology evolves. From insect science to habitat management. In 1993, Dr Zeyaur Khan, an experienced agricultural entomologist, arrived in Kenya to take up his new appointment at Mbita Point, at the Thomas Odhiambo Campus of the International Centre of Insect Physiology and Ecology (icipe).

Push-pull farming system in Kenya: Implications for ...

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The push-pull system is a combined method of controlling both Striga and Stem borer simultaneously. This system is the most effective in controlling Striga and Stem Borer. It is non-toxic as it does not involve the use of chemicals; it is 100% organic.

icipe Push Pull Farming System - TheNextNorm - Medium

What is push-pull? Push-pull www.push-pull.net is a novel cropping system developed by icipe (www.icipe.org) and partners for integrated insect pest, weed and soil fertility management in cereal-livestock farming systems. It is a farming system intensification that improves productivity through exploitation of chemi-

Integrated pest management: the push-pull approach for

...

New semiochemical tools and delivery systems, including GM, are being incorporated to exploit further opportunities for

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mainstream arable farming systems. By delivering the push and pull effects as secondary metabolites, for example, (E)-4,8-dimethyl-1,3,7-nonatriene repelling pests and attracting beneficial insects, problems of high volatility and instability are overcome and compounds are produced when and where required.

PUSH-PULL STRATEGIES FOR INSECT PEST MANAGEMENT

Farming systems for pest control, based on the stimulo-deterrent diversionary strategy or push-pull system, have become an important target for sustainable intensification of food production.

Stories of our Success - PUSH-PULL

He is internationally lauded for his development and dissemination of the innovative system of "push-pull farming," which simultaneously addresses issues of crop pests, soil

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improvement, food security, climate change and sustainability. Push-Pull Climate Smart Comics.

Push-pull agricultural pest management - Wikipedia

The Push and The Pull You maybe wonder how one farming system can solve all these problems, well it all starts with planting season. By planting a legume called desmodium in between the rows of ...

How To Control Striga And Stem Borer In Maize Farm Using ...

Diversified Farming Systems: An Agroecological, Systems-based Alternative to Modern Industrial Agriculture. Further, as ecosystem services are generated and regenerated within a DFS, the resulting social benefits in turn support the maintenance of the DFS, enhancing its ability to provision these services sustainably.

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Push-pull farming systems - ScienceDirect

“To end hunger and poverty for 10 million people by extending Push-Pull technology to 1 million households in sub-Saharan Africa by 2020”, Zeyaur Khan, Coordinator, Push-Pull Programme

PUSH-PULL FARMING SYSTEMS

The push-pull strategy undertakes a holistic approach in exploiting chemical ecology and agrobiodiversity. The plant chemistry responsible for stemborer control involves release of attractive volatiles from the trap plants and repellent volatiles from the intercrops. To understand the chemical ecology of the push-pull system, volatile

PUSH-PULL TECHNOLOGY

News and Events. Desmodium, grown between the rows of maize, acts as a repellent plant, driving stemborers from the

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cereal crop (the 'push'). Napier grass, planted as a border to the plot, acts as a trap plant, attracting stemborers (the 'pull').

(PDF) Push-pull farming systems - ResearchGate

farming systems. By delivering the push and pull effects as secondary metabolites, for example, (E)-4,8-dimethyl-1,3,7-nonatriene repelling pests and attracting beneficial insects, problems

Ecology and Society: Diversified Farming Systems: An ...

Expansion of the push-pull system. Extremes were represented by the Suba District (arid and infertile) and Trans-Nzoia (wet and highly fertile), but regions displaying intermediate conditions were also encountered, for example at Kakamega and at Bungoma on the northern shore of Lake Victoria (figure 2).

Push-Pull Farming System Controls Fall Armyworm:

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Lessons ...

This study examines the farm-level economic benefits and aggregate welfare impacts of adopting push-pull technology (PPT)—an innovative, integrated pest and soil-fertility management strategy—with a set of household- and plot-level data collected in western Kenya. The evaluation is based on a combination of econometric and economic surplus analysis.