

Dra Gabriela Vieira Silva

22-11-2018, Brasília



4º SEMINÁRIO SOBRE
DIPLOMACIA E
INOVAÇÃO CIENTÍFICA
E TECNOLÓGICA

AMBIENTES E REDES DE INOVAÇÃO DO BRICS











Why biological control?

We need a more sustainable and efficient way for pest control

Expected growth in Brazil:

Biological control

20%

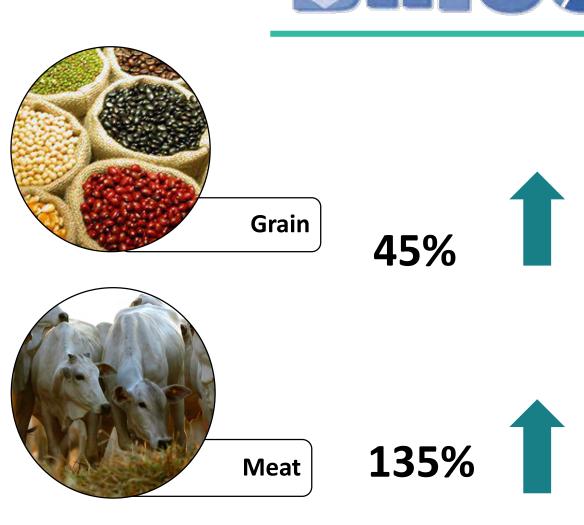
Chemical control

3%

ABCBio, 2017

BRICS Science Parks and Areas of Innovation







BRICS Science Parks and Areas of Innovation



Technology







Drone autonomy

✓ 1h flight

√ 1000 capsules

✓ In sugar cane: 50 ha per flight



Sugar cane

Brazil and India, the major global producers of sugar cane, have a combined total of 15 million hectares.

Food

Energy

Fuel

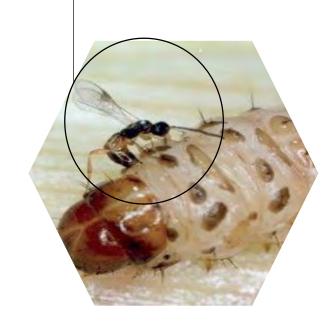




Sugar cane borer

Wasp for control

Cotesia flavipes



BRICS Science Parks and Areas of Innovation



Interaction

Agri Tech India 2018































Business opportunity





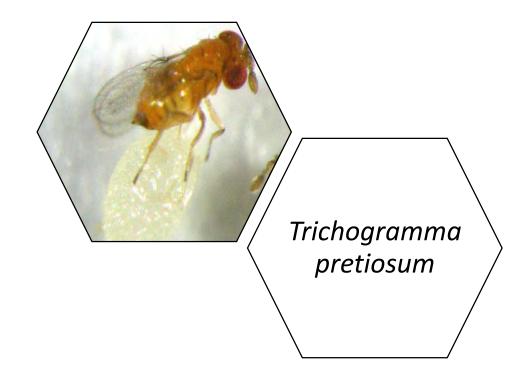




Corn

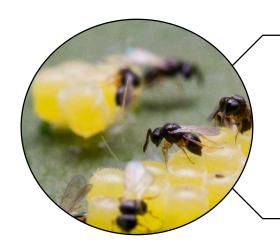
Spodoptera frugiperda







Soybean Euschistus heros



Telenomus podisi



Agribela

"New generation of biological control in the world"





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