



**IPRRG**

Project Stinky

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# Teams

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Introduction

Establishment

Spread

Impacts



# Impact Team

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# Impacts

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## Objectives

- Canvas options for techniques and datasets for bioeconomic estimates of impacts
- Demonstrate bioeconomic techniques for estimating impacts
- Provide an estimate of the pest risk impacts
  - country by country basis, assuming arrival and establishment

Amenity impacts are spectacular, but economically insignificant



# Impacts

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## Components

- Literature review of methods for estimating pest impacts
- Potential Distribution and climate suitability patterns
  - Published CLIMEX model, including effects of irrigation
  - **Kriticos DJ, Kean JM, Phillips CB, Senay SD, Acosta H** and Hays T (2017) The potential global distribution of the brown marmorated stink bug, *Halyomorpha halys*, a critical threat to plant biosecurity. Journal of Pest Science
- Damage reports
  - Damage Functions by commodity
- Assets at Risk
  - MapSpam and FAOStat
  - Reduced to International dollar values
- Spread models
  - Discount rates

