

Research for Better Control

Four topics for a national strategy

Efficacy

- Standardized tests for efficacy
 - Residual vs. contact kill claims
 - Field strains vs. lab strains
 - Adequate sample size
 - Dose response
 - Applicability to field situations
- Evaluating items in the IPM toolbox
 - Screening of registered products
 - Efficacy review for 25b products
 - Devices and technology
 - Determine effective combinations

Research

- Basic bed bug biology
 - Feeding habits
 - Semiochemicals
 - Food source
 - Genome sequencing
 - Resistance prevalence
 - Population dynamics and response to treatment
- Social research
 - Pre-treatment prep issues, especially with elderly or disabled
 - True economic costs of bed bug infestations
 - Landlord-tenant relationships (legislative templates)

Funding

- Coordinating funding agencies
 - Developing common goals
 - Clearinghouse for proposals
- Pooling non-government resources
- Translational funding
 - Moving from lab to application
- Eliminating the anti-vector bias in funding
 - Public health importance

Regulatory/Policy Changes

- Require review of efficacy of 25b's and public health pesticide devices
- Adopt policy requiring efficacy standardization, protocol, field testing
- Risk cup reconsideration for old chemistries
- Developing metrics for success/failure
- Web 2.0?