Brown Marmorated Stink Bug Working Group Priorities

Overall Priorities

1. **Research**  Studies of basic BMSB behavior (host preferences, movement, and responses to cues)
2. **Research**  Standardized sampling methods (traps, lures, placement, timing)
3. **Research**  Studies of basic BMSB biology (physiology, generations)
4. **Research**  Identification of the true BMSB pheromone
5. **Extension**  Development of education programs for growers and general public (including movement, threat)
6. **Research**  Mapping and assessment of BMSB distribution
7. **Regulatory**  APHIS position statement about BMSB
8. **Extension**  Creation of a unified web-based location as a repository for BMSB information
9. **Research**  Development of IPM-friendly management tactics
10. **Research**  Toxicity screening of known insecticides
11. **Extension**  Education of professionals to identify BMSB and its damage
12. **Research**  Impact of landscape/habitat on population density
13. **Research**  Identification of biocontrol agents-parasitoids, fungal pathogens, predators (native and foreign exploration)
14. **Extension**  Development of a public awareness campaign--posters, public service announcements, educational materials, etc
15. **Regulatory**  Product testing and labeling for new products

Research Priorities

1. Studies of basic BMSB behavior (host preferences, movement, and responses to cues)
2. Studies of basic BMSB biology (physiology, generations)
3. Standardized sampling methods (traps, lures, placement, timing)
4. Establish the identity of susceptible crops and their susceptibility periods
5. Mapping and assessment of BMSB distribution
6. Identification of the true BMSB pheromone
7. Development of monitoring strategies for urban areas and in agricultural settings
8. Determination of host utilization and preference and range
9. Impact of landscape/habitat on population density
10. Development of IPM-friendly management tactics
11. Define damage diagnostics and economics injury
12. Toxicity screening of known insecticides
13. Assessment of economic impact in urban environment
14. Examination of cross attractancy of brown marmorated and green stink bugs to olfactory cues
15. Investigation of host plant volatiles as attractants
16. Identification of potential repellents
Identification of biocontrol agents-parasitoids, fungal pathogens, predators (native and foreign exploration)

Examination of potential of combining BMSB and *Euschistus* pheromones for monitoring

Synopsis of research to date from Japan

Assessment of displacement of native stink bugs

**Extension Priorities**

1. Development of education programs for growers and general public (including movement, threat)
2. Education of professionals to identify BMSB and its damage
3. Creation of a unified web-based location as a repository for BMSB information
4. Development of revised and unified management plants
5. Development of treatment recommendations and guidelines for both urban areas and agricultural settings
6. Raise awareness of importance of BMSB with APHIS, local congressmen and others
7. Development of educational programs for structural and landscape industries
8. Coordinate efforts among extension programs
9. Development of a public awareness campaign—posters, public service announcements, educational materials, etc.
10. Development of an eXtension community of practice
11. Focus on urban entomology
12. Creation of extension groups
13. Direct homeowners to contact local politicians with complaints

**Regulatory Priorities**

1. APHIS position statement about BMSB
2. Expansion of uses of existing registered products
3. Product testing and labeling for new products
4. Definition of the threat posed by BMSB
5. Prevention of movement (including in vehicles)
6. Interagency coordination and interdisciplinary funding
7. Anticipation of quarantines for nurseries