

Managed Pollinator Protection Plans (MP³)



Maryland Department of Agriculture
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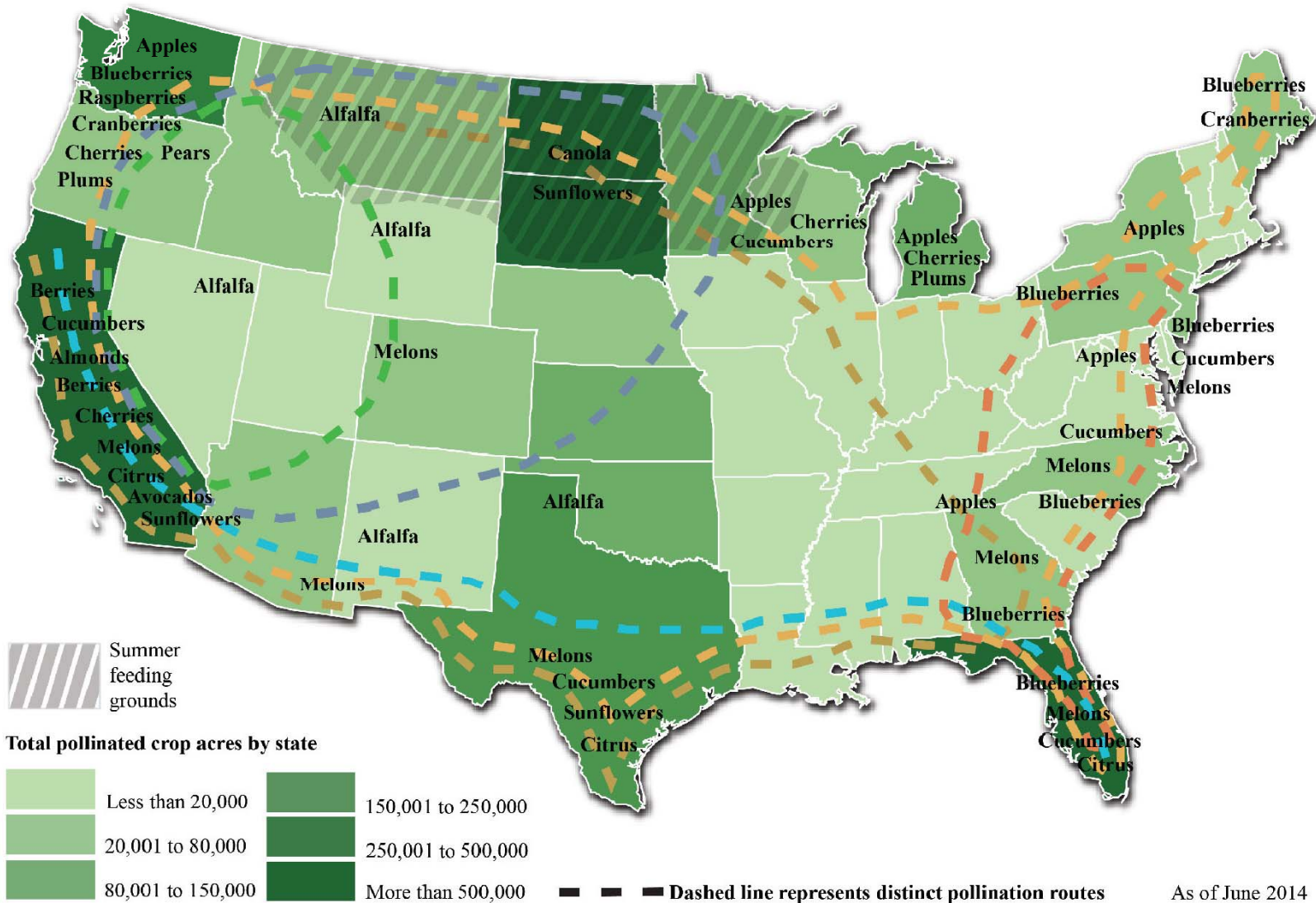
Presidential Memorandum -- Creating a Federal Strategy to Promote the Health of Honey Bees and Other Pollinators

MEMORANDUM FOR HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES
SUBJECT: Creating a Federal Strategy to Promote the Health of Honey Bees and Other Pollinators

(I) The Environmental Protection Agency shall assess the effect of pesticides, including neonicotinoids, on bee and other pollinator health and take action, as appropriate, to protect pollinators; **engage State and tribal environmental, agricultural, and wildlife agencies in the development of State and tribal pollinator protection plans**; encourage the incorporation of pollinator protection and habitat planting activities into green infrastructure and Superfund projects; and expedite review of registration applications for new products targeting pests harmful to pollinators



Pollinator movement and crops in the U.S.



Source: USDA, Economic Research Service; Sautzman (2011), with input from commercial beekeepers and apiculture experts, including Dr. Jeff Pettis and Dr. David Epstein, an entomologist and authority on pollinators with the USDA's Pest Management Policy. Crop production acres are from USDA, National Agricultural Statistics Service, 2012 Agricultural Census.

NATIONAL STRATEGY TO
PROMOTE THE HEALTH
OF HONEY BEES AND
OTHER POLLINATORS

Pollinator Health Task Force

MAY 19, 2015



Page 50:

- Document the number of **state/tribal pollinator protection plans** addressing the need for improved communication between growers/applicators and beekeepers with respect to pesticide applications under development and the number of plans implemented.



SFIREG Guidance on State Pollinator Plans

Jim Gray, ND Department of Agriculture

- Divided into two sections:
 - Critical Elements
 - Optional/Recommended Elements
- Importance of state flexibility
 - Regulatory or voluntary approaches
 - State flexibility to expand plans to address other issues



Critical Elements of State MP³s

1. Public stakeholder participation process

- Include opportunities for input from a balanced cross-section of stakeholders
- Opportunities for public comment on draft MP³ prior to it being finalized



Stakeholder Group Examples

- State Beekeeping Association (Commercial and Hobbyist Beekeepers)
- Nursery, Landscape, and Greenhouse Professionals
- State Farm Bureau
- Pest Control Association
- Vegetable Growers
- Chemical Companies
- Universities
- Extension
- Bee Informed Partnership
- Green Industry
- Crop Advisors
- EPA
- USDA
- State Department of Agriculture
- State Apiarist
- Other State or Federal Agencies
- Industry Representative from Transportation/Utilities
- Other Managed Pollinator Interest Groups
- Other Crop Producer Representatives
- Agricultural Industry and Supply Chain Sectors
- Conservation and other NGO Sectors



Critical Elements of State MP³s

2. Method for growers/applicators to know if there are managed pollinators near pesticide treatment sites
 - Defining “pollinator awareness zone”
 - Method will vary based on state authority and approaches, but could include:
 - State apiary registry website
 - Self-registry websites (e.g. DriftWatch/BeeCheck)



Critical Elements of State MP³s

3. Method for growers/
applicators to identify and
contact beekeepers prior to
pesticide applications
 - Recommended minimum time
to contact beekeeper prior to
pesticide application
 - some states use 48 hrs
 - How applicators and/or
landowners will be able to
obtain beekeeper contact
information
 - Website, signage on hives, etc

(2 of 2)	
Pesticide Sensitive Crops Information	
Site ID	1010.00
Site Number	1.00
Site Name	ASHLEY JONES
Address	50 HARRY S. TRUMAN PKWY
City	ANNAPOLIS
State	MD
Zip Code	21401
County	ANNE ARUNDEL
Crop Identification	9.00
Crop Type	BEEHIVES
Organic	NO
Business Number	1010
Company Name	MDA
E-Mail	Ashley.jones4@maryland.gov
Website	
Business Phone	410-841-5710
Cell Phone	

Critical Elements of State MP³s

4. Recommendations on how to minimize risk of pesticides to bees

- Including advice and/or Best Management Practices (BMPs) such as:
 - Making applications when bees less active
 - Utilizing IPM
 - Reducing drift
 - Using products with less toxicity to bees



Critical Elements of State MP³s

5. A clear defined plan for public outreach
 - MP³s only successful if there is robust adoption
 - State needs to clearly describe how they will provide outreach to the public
 - Could include:
 - Meetings with targeted stakeholder groups
 - Posting MP³ on SLA website
 - Use of media, social media



Critical Elements of State MP³s

6. Mechanism to measure effectiveness of an MP³ and a process to periodically review and update the plan

- Periodic review at least once every 3 years
- Public stakeholder process to evaluate effectiveness of plan and to make modifications
- Measures to indicate whether communication & cooperation has increased and whether pesticide exposure to bees has decreased



Optional/Recommended Elements of State MP³s

Addressing urban beekeeping and pesticide use in non-agricultural settings

- Will depend on whether state has significant urban beekeeping or managed bees in/near urban areas or residential areas
- Some states may want to address non-agricultural pesticide use patterns

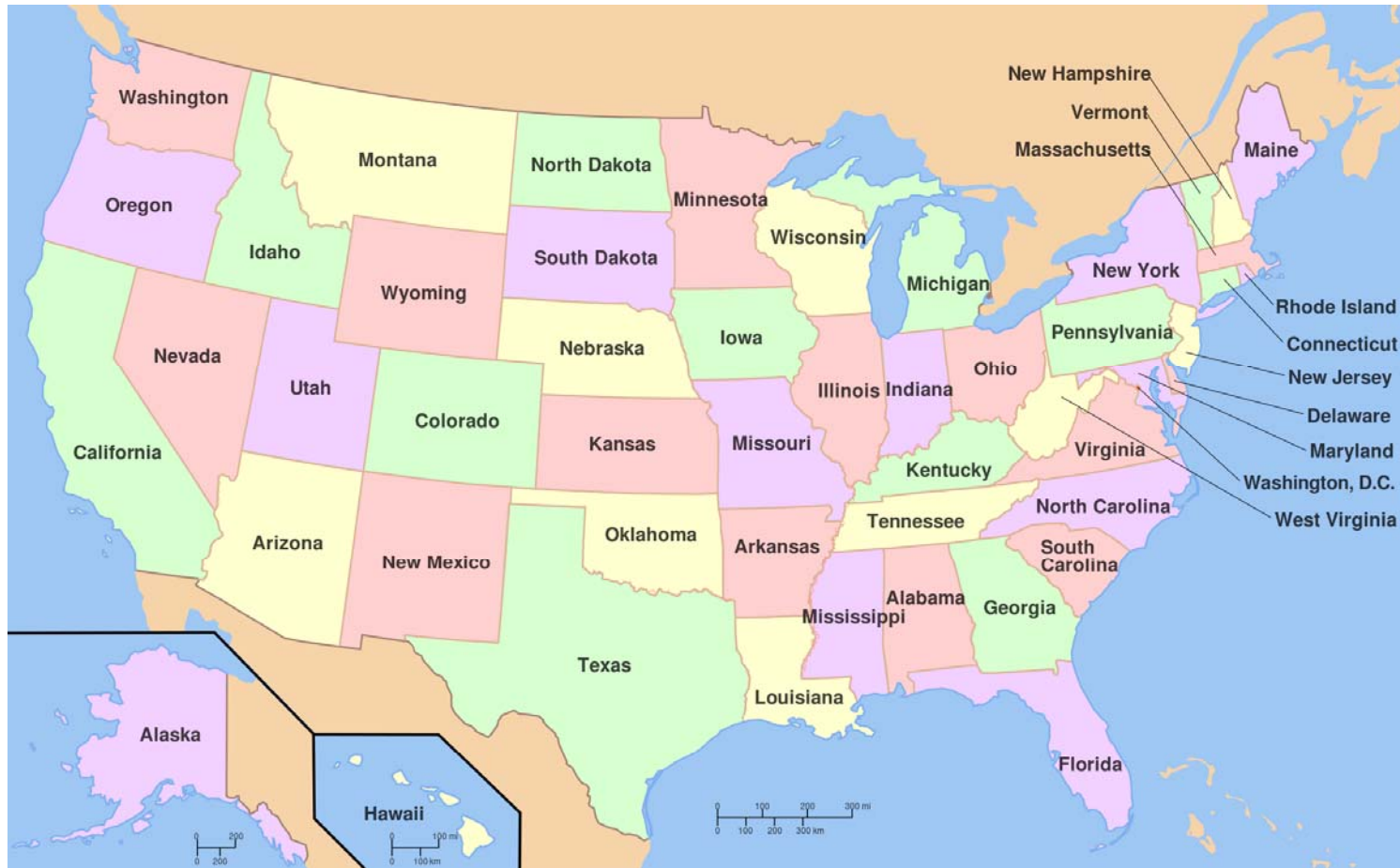


Critical Elements of State MP³s

- Public stakeholder participation process
- Managed pollinator location and beekeeper contact information available for growers/applicators
- Recommendations on minimizing risk of pesticides to bees
- Mechanism to measure effectiveness
- Public outreach

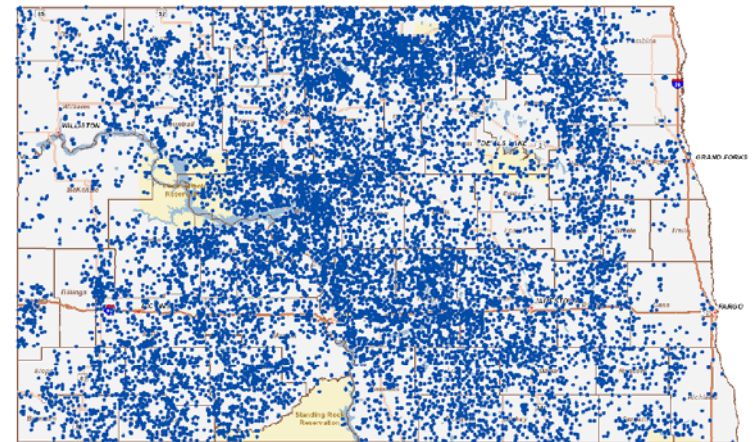


Other States – What are they Doing?



Other States – North Dakota

- Utilize hive locator map
- Recommend that pollinators be considered when making pesticide applications
- Applicators should identify and notify apiarist within 2 miles of application - 48 hours prior



Other States – Mississippi



- Recommend the use of “Bee Aware” Flags placed at hive locations
- Beekeeper should have placard with contact information on prominent hive
- Aerial applicators should be aware of apiary locations within ½ mile with 48 hour notice



Other States – Iowa

- Has the “Bee Rule” stating:
 - Owners of apiaries shall register the location of their apiaries with the state apiarist.
 - Between 8 a.m. and 6 p.m., a commercial applicator shall not apply to blooming crops pesticides labeled as toxic to bees when the commercial applicator is located within one mile of a registered apiary.



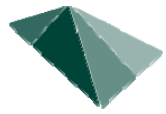
Other States – Arizona

- Completely staying out of the picture
- Leaving it up to stakeholders to work it out amongst themselves



How about Maryland?





KEYSTONE
POLICY CENTER

Maryland MP³ Stakeholder Engagement

- Teamed up with Keystone Policy Center
 - Non-profit mediation group
 - Facilitating Honey Bee Health Coalition meetings
- Statewide stakeholder summit meeting
 - January 20, 2016 – Strategy Input
- Here we are!



Pre-Summit Stakeholder Questions

- What key issues would you like to see addressed in a managed pollinator protection plan?
- Which topic do you think is the most important to address? Why?
- What solutions would you like to see come out of this plan?
- Is there any type(s) of data would you like to see collected or distributed as part of this plan? Why?



Summit Structure

- Structured this meeting to be as productive as possible
 - Small table discussions
- Avoided large whole-audience discussion
 - Stakeholder time should be divided evenly
- Other states have held meetings with no progress
 - One state had an extreme set-back due to meeting structure



Stakeholder Invitations

- Stakeholder groups were identified
 - Associations within each group were contacted
- Number of seats for each organization were proportionally distributed
- MP³ will be open for public comment when draft is debuted



Maryland MP³

- We understand that existing MP³ plans may not be applicable to MD
 - Have heard concerns that we will repeat strategies from other state plans
- Managing expectations – we want something different
 - We will make the best of what we have – there are limitations
 - So many issues facing pollinators – need to focus on the main issues because we cannot do it all



Post-Summit : What's Next?

- We will take ALL information gathered from this meeting
 - Use input to draft the MD MP³
- Would like to debut draft in April 2016
 - Will be open for public comment
 - Will provide details closer to date
- Please take what you learn today and put it to use!
 - Communication and collaboration are key



Thank you

