

**ARDP Questions for Meetings**  
**2-4-15 (edited with new image, 2-15-14)**

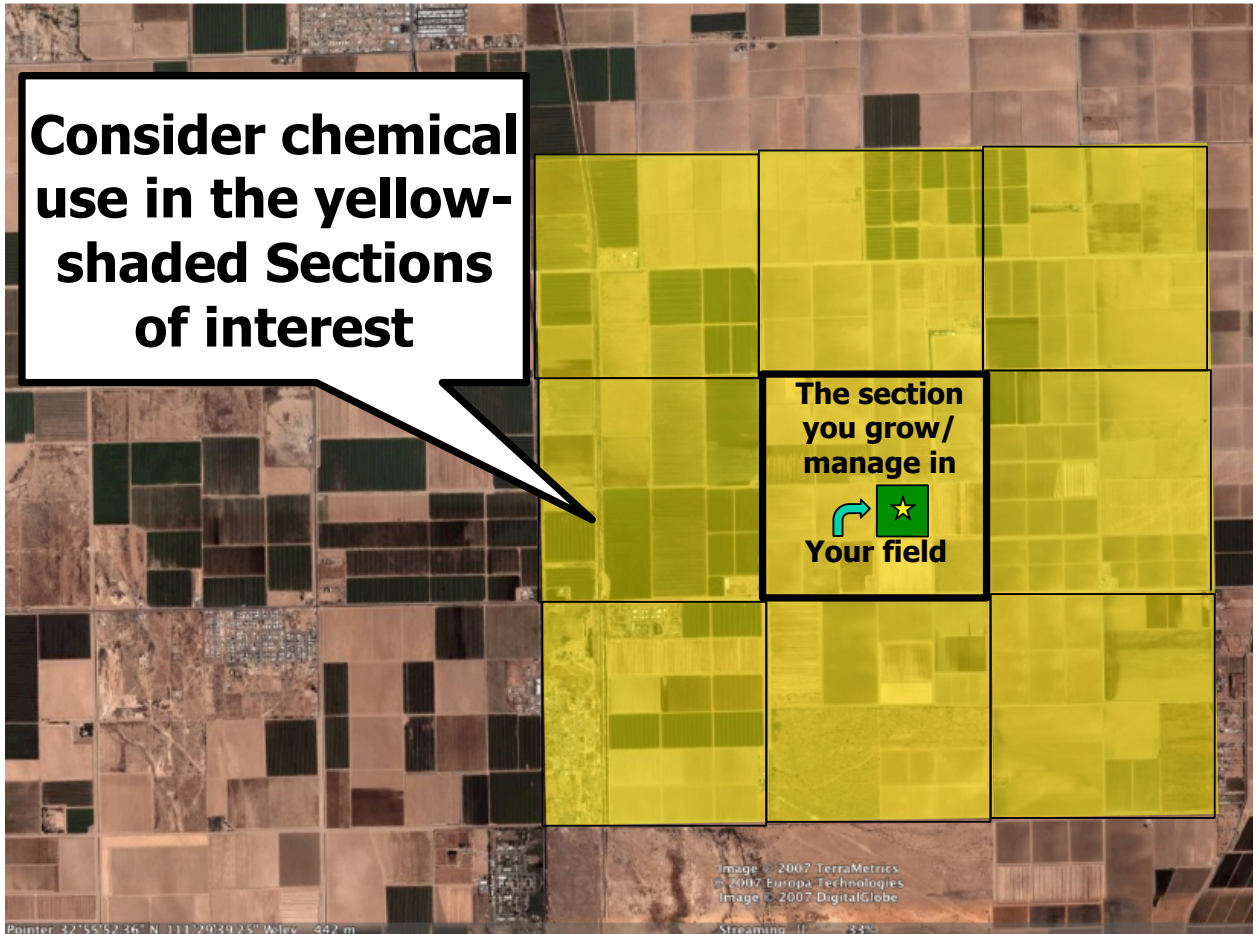
**Pre-Survey**

1. Which category best describes your role in whitefly management?
  - a.  Grower
  - b.  PCA
  - c.  Other
  
2. Other than price, to what extent are you a decision-maker for whitefly sprays for the crops you grow / manage? (select best fit)
  - a.  I am the **primary decision-maker** for whitefly insecticide use
  - b.  I have a **large influence** on whitefly insecticide decisions
  - c.  I have a **small influence** on whitefly insecticide decisions
  - d.  I have a **no influence** on whitefly insecticide decisions
  
3. Worldwide 12 modes of action (MoA) can kill whiteflies, but only 4 are in major use in AZ cotton. What 2 are threatened by advancing resistances?
  - a.  Knack & Oberon
  - b.  Knack & Intruder
  - c.  Courier & Oberon
  - d.  Courier & Intruder
  
4. Growers/PCAs are able to combat resistance with what 3 practices?
  - a.  Spray earlier, more frequently & with mixtures each time
  - b.  Limit, diversify & partition chemistry through space or time
  - c.  Use higher rates, frequency & mix volume
  - d.  No practices I follow will make any difference
  
5. Is it possible to predict the development of resistance based on spatial patterns of insecticide use?
  - a.  Yes
  - b.  No
  
6. Based on prior research, the approximate area over which resistance may be predicted based on within-season chemical use patterns is about...?
  - a.  1 km radius or around 1 section
  - b.  3 km radius or 3 x 3 sections
  - c.  10 km radius or 6 x 6 sections

## Mid-Survey

7. To what degree **are you knowledgeable** about the previous year's insecticide use in the Sections surrounding fields for which you made insecticide decisions this year? (refer to image)

- a. \_\_\_\_\_ Extremely knowledgeable (76 – 100%)
- b. \_\_\_\_\_ Very knowledgeable (51 – 75%)
- c. \_\_\_\_\_ Knowledgeable (26 – 50%)
- d. \_\_\_\_\_ Somewhat knowledgeable (1 – 25%)
- e. \_\_\_\_\_ Not knowledgeable (0%)



8. To what degree does your knowledge about the previous year's chemical use in the Sections surrounding your field **influence your insecticide decisions** for whitefly control? (refer to image)

- a. \_\_\_\_\_ I always consider this (100%)
- b. \_\_\_\_\_ 76 to 99% of the time
- c. \_\_\_\_\_ 51 to 75% of the time
- d. \_\_\_\_\_ 26 to 50% of the time
- e. \_\_\_\_\_ 1 to 25% of the time
- f. \_\_\_\_\_ It is not something I consider (0%)

## Post-Survey

9. Worldwide 12 modes of action (MoA) can kill whiteflies, but only 4 are in major use in AZ cotton. What 2 are threatened by advancing resistances?

- e.  Knack & Oberon
- f.  Knack & Intruder
- g.  Courier & Oberon
- h.  Courier & Intruder

10. Growers/PCAs are able to combat resistance with what 3 practices?

- e.  Spray earlier, more frequently & with mixtures each time
- f.  Limit, diversify & partition chemistry through space or time
- g.  Use higher rates, frequency & mix volume
- h.  No practices I follow will make any difference

11. Is it possible to predict the development of resistance based on spatial patterns of insecticide use?

- c.  Yes
- d.  No

12. Based on prior research, the approximate area over which resistance may be predicted based on within-season chemical use patterns is about...?

- d.  1 km radius or around 1 section
- e.  3 km radius or 3 x 3 sections
- f.  10 km radius or 6 x 6 sections

10. Prior to today's meeting, were you aware of the idea of Chemical Use Maps produced by UA Cooperative Extension to aid in resistance management decision-making?

- a.  Yes
- b.  No

11. What is the likelihood that you or your PCA / grower will make use chemical use maps in the future?

- a.  Would not use
- b.  Would consider using
- c.  Would likely use
- d.  Would definitely use

12. What is the likelihood chemical use maps will influence your insecticide use decisions?

- a.  Will not influence my decisions
- b.  Is not likely to influence my decisions
- c.  Is likely to influence my decisions
- d.  Will definitely influence my decisions