The Pesticide Residue Check Sample Program

AAPCO Laboratory Committee Meeting
03/06/17
Amy DeBaker, WDATCP
Program Updates

- The 2017 order forms will be sent out by mid-March.

- The fall 2016 Vegetation Check Sample Report will be sent out by the end of the first week of March.
Program Updates

- For the 2016 program year, twenty-nine participating laboratories receive two test sets per year, one soil set and one vegetation set.
- The current list of pesticide classes with the specific pesticides listed in each class is given with each check sample shipment.
The 2016 soil test event began on February 23, 2016 with a due date of April 8, 2016. Reports were sent out June 10, 2016.

The 2016 vegetation event was shipped on October 17, 2016 with a due date of December 16, 2016.

We also sent out a questionnaire in July 2016. Twenty-one laboratories responded.
Program Updates – Survey Results

- Question 1: OP/ON Pesticides Deletion/Addition
- Removal of Ethion, Fenthion, Parathion, Parathion-Methyl from list
- Options of addition of
  - Trifluralin
  - Diuron
  - Linuron
  - Metalaxyl
  - Alachlor
  - All the above
Survey Results – Question 1

- **Result:**
  - Trifluralin 76%
  - Diuron 67%
  - Linuron 29%
  - Metalaxyl 62%
  - Alachlor 76%
  - All 6 participants

Decision Made: Add Trifluralin, Diuron, Metalaxyl, and Alachlor to the OP/ON Category.
Survey Results – Question 2

- Add Imidacloprid and Thiamethoxam to the OP/ON list. Yes/No

- Result: Yes 76%, No 24%

- Decision Made - We will add the specified Neonicotinoids
Survey Results – Question 3

- Question 3: CP Pesticide Category
  Deletion/Addition
- Removal of Chloramben from list
- Options of addition of
  - 2,4-DB
  - Fluoroxypr
  - Both Compounds
Survey Results – Question 3 continued

- Results – Both 48%
  - 2,4-DB only 19%
  - Fluoroxypyr only 24%

- Decision Made: Add 2,4-DB and Fluoroxypyr
Yearly rotation between Imidazolinone Category with a Strobin Category. The Strobin Category to include Azoxystrobin, Pyraclostrobin, and Trifloxystrobin.

Yes/No
Survey Results – Question 4 continued

- **Result:**
  - Yes 81%
  - No 19%

- **Decision Made:**
  - Alternate years between the two categories. We will stay with the Imidazolinone Category for 2017.
Survey Results – Question 5

- Sample Size –
  - Leave it as is or decrease size by 50%; Yes/No (yes being leave size as is)
    - Assumption of testing entire sample for reporting purposes. Each lab to decide how complete.
  - Current sizes are:
    - 10 g for Categories 1-Glyphosate; 2-Imidazolinone; 4-Chlorophenoxy Acid Herbicides
    - 20 g for Category 3-OP/ON
Survey Results – Question 5 Continued

- Result:
  - Yes 76%
  - No 24%

- Decision Made:
  - Leave size as is.
Survey Results – Question 6

- Would you be interested in purchasing additional samples for internal use only? Yes/No
- Result: Yes 57%, No 43%
- Decision Made: There is interest in purchasing. We will have a limited amount available until the next event.
Changes and Future Proposal from Survey Results

- Proposal for Category Changes
  - Change from category by pesticide class to category by technology.
  - With the addition of the Neonicotinoide pesticides from the survey, laboratories may want to use a different technology other than what is traditionally used for the OP/ON category.
  - A 2017 change for the OP/ON category: there will be a spot on the order form to request an additional jar for the OP/ON category.
Changes and Future Proposal from Survey Results

- Changes to the report form
  - How does a participant report back that they do not test for an analyte? Do not want the report to reflect that an analyte was missed when it was not part of their testing protocol.
  - Some of the new analytes are not routinely in tests for some states
Changes and Future Proposal from Survey Results

- Form change has been made. Please feel free to comment on the change made to accommodate those analytes not included in your analysis. When these instances occur, the report states “No Analysis Reported for Test Category”. 
Pesticide Residue Check Sample Program

- Comments/Questions