



May 13, 2004

TO: See Distribution List

FROM: Martha Lamont  
Director

SUBJECT: Semi-Annual Program Plan (July – December 2004) – Pesticide Data Program

This Program Plan serves as the current Statement of Work for the period July 2004 through December 2004 for each of the States participating in the Pesticide Data Program (PDP). This document also stipulates work assignments for the Federal facilities participating in PDP. The contents of the Plan have been discussed with the U.S. Environmental Protection Agency (EPA).

## I. ADMINISTRATIVE UPDATES

- A. Summary Status:** The 2002 PDP Annual Summary has been released and is available on the PDP website. The 2003 database is being reconciled in preparation for drafting the 2003 PDP Annual Summary.
- B. Personnel:** Program participants are reminded to keep PDP management informed of any critical personnel vacancies, staffing issues, or expected increases in rent (due to laboratory or office renovation/relocation, etc.). This information is very important for financial management, workload assignments, and to monitor potential backlogs.
- C. USDA-EPA PDP Planning Meeting:** The Monitoring Programs Office (MPO) held a planning meeting on March 24, 2004, with EPA Health Effects Division (HED) representatives to discuss tentative PDP commodities and analytes to be included during 2004-2005.
- D. Technical/Quality Assurance (QA) Meeting:** A meeting for PDP Technical Program Managers and Quality Assurance Officers will be held May 18-20, 2004, in Fairfax, Virginia. Topics to be discussed include program planning, ISO accreditation, analytical standards and quantitation issues, method validation, liquid chromatography (LC)/mass spectrometry (MS) technologies, and proficiency testing.
- E. QA Committee:** David Houpt (Texas) and Kevin Worden (Michigan) have moved on to other positions and no longer serve on the PDP QA Committee. Gail Parker (Florida) is currently acting as Presiding Member. Two new QA Committee members will be elected to replace David and Kevin at the May QA/Technical Meeting.
- F. July through December 2004 Proficiency Testing (PT) Program:** Listed below is the PT program schedule for July through December 2004 for fresh and processed fruit and vegetables, grain, and water.

PE SET NO.	SHIPMENT DATE <sup>1</sup>	PROVIDER	COMMODITY	LABORATORY
118	July 2004	CDFA	Green Beans	CA1, FL2
119	August 2004	CDFA	Cantaloupe	CA1, TX1
120	September 2004	Ultra	Water	MT1, NY1
121	September 2004	FAPAS	Wheat Flour	US3
122	October 2004	AOAC	To Be Determined	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1
123	November 2004	FAPAS	Apples, Lettuce	CA1, FL1, FL2, MI1, NY1, OH1, TX1, WA1
124	December 2004	CDFA	Milk	US2

For samples provided by the California Department of Food and Agriculture (CDFA) Quality Assurance Unit (QAU), please provide analytical methods and any special requirements for sample preparation (e.g., silinization of glassware) to Harnek Nijjar. These samples are subject to compounds specified in the applicable PDP-QC-13 addendum. Please remember to report results concurrently to the MPO and the CDFA QAU.

General multi-residue method (MRM) samples for fresh fruit and vegetables will be supplied by AOAC in October 2004. Participants are only evaluated for those residues analyzed by their laboratory and the report provided will clearly identify these pesticides. A list of potential chemicals may be viewed at <http://www.aoac.org/proficiencytesting/resultchecklist.PDF>. Please report results concurrently to AOAC and MPO.

General MRM samples for wheat flour will be supplied by FAPAS in September 2004 and for fresh fruit and vegetables in November 2004. Laboratories will identify compounds tested/not tested prior to each round. Laboratories will not be held responsible by FAPAS or MPO for compounds identified as not analyzed. A list of potential chemicals may be viewed at [http://ptg.csl.gov.uk/docs/fapas\\_0405\\_v1.pdf](http://ptg.csl.gov.uk/docs/fapas_0405_v1.pdf) {see Pesticide Residues (series 19)}. Please report results concurrently to FAPAS and MPO.

For drinking water, Ultra Scientific will provide proficiency samples based on common analytical profiles and detection limits. For each check sample set, the vendor will supply the laboratory's QAU with a custom gas chromatography (GC) mix and a custom liquid chromatography (LC) mix. The QAU will make dilutions per PDP instructions and fortify one liter of unfiltered tap water with the GC dilution and one liter with the LC dilution. The spiked samples will then be issued to the laboratory staff for analysis. Results should be reported concurrently to the laboratory QAU and MPO.

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<sup>1</sup> Target shipment date for all providers is the second Tuesday of the month

## **G. Standard Operating Procedures (SOPs):**

### **New and Revised SOPs Released April 1, 2004**

- PDP-LABOP-01, Sample Receipt, Storage, Archiving, and Disposal
- PDP-LABOP-13, Receipt, Custody, Preparation, Packaging, and Shipment of PDP Homogenates
- PDP-QC-13 Apples, Commodity Specific Requirements for Apples
- PDP-QC-13 Bell Peppers, Commodity Specific Requirements for Bell Peppers
- PDP-QC-13 Grapes, Commodity Specific Requirements for Grapes
- PDP-QC-13 Lettuce, Commodity Specific Requirements for Lettuce
- PDP-QC-13 Oranges, Commodity Specific Requirements for Oranges
- PDP-QC-13 Pears, Commodity Specific Requirements for Pears
- PDP-QC-13AB-MT, Specific Requirements for Montana Raw and Finished Drinking Water
- PDP-QC-14, Quality Assurance/Quality Control for Water
- PDP-QC-16, ISO 17025 Links to PDP SOPs

### **New and Revised SOPs Released July 1, 2004**

- PDP-DATA-02, Reporting Results
- PDP-DATA-03, Quantitation and Confirmation of Pesticide Residues
- PDP-DATA-04, Data Submission, Storage, Retrieval, and Archiving
- PDP-DATA-06, Data Review Requirements
- PDP-LABOP-01, Sample Receipt, Storage, Archiving, and Disposal
- PDP-QC-03, Performance Evaluation of Technical Personnel
- PDP-QC-05, Approval Process for Method Modification
- PDP-QC-07, Demonstration of Method Performance
- PDP-QC-10, Determination of LOD and LOQ for Chromatographic Methods
- PDP-QC-13, Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings
- PDP-QC-13 Winter Squash, Commodity Specific Requirements for Winter Squash
- PDP-STD-03, Analytical Reference Standards Quality Control

### **SOPs Archived July 1, 2004**

- PDP-QC-02, Initial Laboratory Evaluation

### **New and Revised SOPs to be Released October 1, 2004**

- PDP-ADMIN-01, Facilities
- PDP-ADMIN-02, Personnel and Organization
- PDP-ADMIN-03, Training/Personnel Records
- PDP-ADMIN-04, Equipment
- PDP-ADMIN-05, Laboratory Safety
- PDP-ADMIN-06A, USDA/AMS Quality Assurance Unit (QAU)
- PDP-ADMIN-06B, Laboratory Quality Assurance Units (QAUs)
- PDP-ADMIN-07, Preparation of SOPs
- PDP-ADMIN-08, Historical SOP File
- PDP-LABOP-03, Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities
- PDP-QC-13 Cauliflower, Commodity Specific Requirements for Cauliflower
- PDP-QC-13 Oranges, Commodity Specific Requirements for Oranges

## **New and Revised SOPs to be Released January 1, 2005**

- PDP-QC-13 Eggplant, Commodity Specific Requirements for Eggplant
- PDP-QC-13 Grapefruit, Commodity Specific Requirements for Grapefruit
- PDP-QC-13 Plums, Commodity Specific Requirements for Plums
- PDP-QC-13 Pork, Commodity Specific Requirements for Pork
- PDP-QC-15, LC/MS Confirmation Requirements

## **H. Electronic Transfer of Data**

RDE Version Upgrade Installed: An upgraded version of the Web-based Remote Data Entry (RDE) system was installed on April 19, 2004. This new version includes a new feature to automatically generate duplicate Sample Information Form (SIF) records for entry of single analyte method (SAM) sample analysis data by the Minnesota laboratory. Other significant modifications include a new provision to store a default Quantitate Code, such as U for unvalidated residues, that will be pre-populated on new analytical results and a new "Delete Spike Type" function for removing an existing QA spike type that was added by mistake. There were also fixes for several identified and reported glitches. This upgrade and all future system modifications will be programmed by the MPO staff. MPO is maintaining a database of all user change requests, including problems and suggestions received by telephone and e-mail.

RDE System Architecture: The reengineered RDE system is a centralized system, where all RDE database files and support software will reside in Washington, D.C. and laboratory users will require only an Internet web browser on the front-end. A stand-alone SIF data entry system for laptop/desktop computers and for PDAs (Pocket PCs) was developed to allow the capture of SIF data electronically by sample collectors. The SIF data entry system can also be used by laboratories to perform off-line data entry of paper SIF information that can then be imported into the central RDE system. Laboratories that import complete data sets into the Web-based RDE system can request that HQ-MPO forward all incoming e-SIFs to the lab for import into the lab internal database or LIMS.

New RDE Secure Web Address: RDE users in the laboratories should be using the SSL (Secure Socket Layer) site address to access the Web-based RDE system. The SSL address is <https://www.ams.usda.gov/rde>. The only difference is the addition of the letter "s" following "http". This SSL technology is used to encrypt all data passed between the user's computer and the central web server.

- I. Cooperative Agreements:** The FY'04 Cooperative Agreements are completed and in place. States can resume billing on program expenditures when they receive their signed copy of their agreement.

## **II. PROGRAM SAMPLING AND TESTING UPDATES**

- A. Sampling Changes and Rotations:** (Draft 3rd and 4th Quarter 2004 Shipping Charts are attached to this document. Actual shipping dates will be sent under separate cover with final versions of the Shipping Charts.)

### **Sampling Deletions**

**Canned spinach** collection ends *June 30, 2004*.

**Bell pepper** collection ends *September 30, 2004*.

**Cucumber** collection ends *September 30, 2004*.

**Canned peach** collection ends *December 31, 2004*.

**Sweet potato** collection ends *December 31, 2004*.

**Tomato** collection ends *December 31, 2004*.

**Wheat flour** collection ends *December 31, 2004*.

### **Sampling Additions**

**Winter squash** will be added *July 1, 2004*. With the exception of samples from California and Maryland, samples will be sent to the Texas (TX1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Cauliflower** will be added *October 1, 2004*. With the exception of samples from California and Maryland, samples will be sent to the New York (NY1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Orange juice** will be added *October 1, 2004*. With the exception of samples from California and Maryland, samples will be sent to the Washington (WA1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Eggplant** will be added *January 1, 2005*. With the exception of samples from California and Maryland, samples will be sent to the Ohio (OH1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Grapefruit** will be added *January 1, 2005*. With the exception of samples from California and Maryland, samples will be sent to the Michigan (MI1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Plums** will be added *January 1, 2005*. With the exception of samples from California and Maryland, samples will be sent to the Ohio (OH1) laboratory. Samples collected in California and Maryland will be sent to the California (CA1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

**Wheat grain** will begin during late 2004, as determined in consultation with USDA Grain Inspection, Packers, and Stockyards Administration (GIPSA) sampling staff. Sampling dates will be adjusted to capture two entire crop years. All testing will be performed by the USDA GIPSA (US3) laboratory, Kansas City, Missouri.

**Paired raw/treated water** sampling for sites tested by the Colorado (CO1) laboratory will end *September 30, 2004*, and sampling for sites tested by the Montana (MT1) and New York (NY1) laboratories will end *December 31, 2004*. No funding for PDP water testing is anticipated for FY 2005; therefore, testing activities in the Colorado (CO1) laboratory will be

suspended September 30, 2004. The Montana (MT1) laboratory is operating on a contractual basis using FY 2003 funds that were returned by AMS Headquarters in August 2003. Testing activities in the Montana (MT1) laboratory are expected to extend through December 31, 2004, and will provide one entire year of paired raw/treated data for the 2004 sampling sites. Water testing activities in the New York (NY1) laboratory are anticipated to extend through December 31, 2004, using FY 2005 fruit and vegetable funds for October through December 2004 so that an entire calendar year of paired raw/treated data for the 2004 sampling sites may be collected. Samples were collected by participating water facility personnel, with a USDA contractor, Great Lakes Environmental Center (GLEC), providing sampling support service.

#### Sampling Continuations

**Apples, cantaloupes, grapes, green beans, lettuce, milk, oranges, pears, and strawberries** will continue to be sampled.

**Soybeans** continue to be sampled by USDA GIPSA. Sampling is planned to continue through *September 30, 2005*.

#### **B. Testing Deletions and Changes:**

##### Testing Deletions

**Canned spinach** collection ends *June 30, 2004*. This ends multi-residue testing of spinach under SOP PDP-QC-13 Spinach by Texas (TX1).

**Bell pepper** collection ends *September 30, 2004*. This ends multi-residue testing of bell peppers under SOP PDP-QC-13 Bell Peppers by New York (NY1).

**Cucumber** collection ends *September 30, 2004*. This ends multi-residue testing of cucumbers under SOP PDP-QC-13AH by California (CA1) and Washington (WA1).

**Canned peach** collection ends *December 31, 2004*. This ends multi-residue testing of canned peaches under SOP PDP-QC-13 Peaches by Ohio (OH1).

**Sweet potato** collection ends *December 31, 2004*. This ends multi-residue testing of sweet potatoes under SOP PDP-QC-13 Sweet Potatoes by California (CA1) and Michigan (MI1).

**Tomato** collection ends *December 31, 2004*. This ends multi-residue testing of tomatoes under SOP PDP-QC-13 Tomatoes by Ohio (OH1).

**Wheat flour** collection ends *December 31, 2004*. This ends multi-residue testing of wheat flour under SOP PDP-QC-13 Wheat by the GIPSA laboratory (US3).

**Apple and grape** homogenate testing by the Minnesota (MN1) laboratory ends *August 28, 2004*. Laboratories in California (CA1), Florida (FL1), and New York (NY1) need not send homogenates received after August 28, 2004, to the Minnesota (MN1) laboratory.

**Water testing** by the Colorado (CO1) laboratory will end *September 30, 2004*, and testing by the Montana (MT1) and New York (NY1) laboratories will end *December 31, 2004*. No funding for PDP water testing is anticipated for FY 2005; therefore, testing activities in the Colorado (CO1) laboratory will be suspended September 30, 2004. The Montana (MT1)

laboratory is operating on a contractual basis using FY 2003 funds that were returned by AMS Headquarters in August 2003. Testing activities in the Montana (MT1) laboratory are expected to extend through December 31, 2004, and will provide one entire year of paired raw/treated data for the 2004 sampling sites. Water testing activities in the New York (NY1) laboratory are anticipated to extend through December 31, 2004, using FY 2005 fruit and vegetable funds for October through December 2004 so that an entire calendar year of paired raw/treated data for the 2004 sampling sites may be collected.

### **Testing Additions**

**Winter squash** will be added *July 1, 2004* for multi-residue analysis. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Texas (TX1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Winter Squash. Draft requirements include all current registered uses for winter squash. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Cauliflower** will be added *October 1, 2004*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the New York (NY1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Cauliflower. Draft requirements include all current registered uses for cauliflower. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Orange juice** will be added *October 1, 2004*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Washington (WA1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Oranges. Draft requirements include all current registered uses for oranges. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Eggplant** will be added *January 1, 2005*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Ohio (OH1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Eggplant. Draft requirements include all current registered uses for eggplant. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Grapefruit** will be added *January 1, 2005*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Michigan (MI1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Grapefruit. Draft requirements include all current registered uses for grapefruit. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Plums** will be added *January 1, 2005*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Ohio (OH1) laboratory. Samples from California and Maryland will be tested by the California (CA1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Plums. Draft requirements include all current registered uses for plums. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Wheat grain** will be added during late 2004, as determined in consultation with GIPSA sampling staff. Sampling dates will be adjusted to capture two entire crop years. Multi-residue testing for all samples will be performed by the USDA GIPSA (US3) laboratory, Kansas City, Missouri. Commodity specific requirements are listed in draft SOP PDP-QC-13 Wheat. Draft requirements include all current registered uses for wheat. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Pork** analysis begins *January 1, 2005*. USDA Food Safety and Inspection Service (FSIS) inspectors will collect and ship pork adipose and muscle tissues to the AMS National Science Laboratory (US2), Gastonia, North Carolina for multi-residue testing. Commodity specific requirements are listed in draft SOP PDP-QC-13 Pork. Please contact the PDP Technical Director with any necessary changes to this testing profile.

**Testing Continuations**

Multi-residue testing for **apples, cantaloupes, grapes green beans, lettuce, milk, oranges, pears, soybeans, and strawberries** continues.

**C. Web Site for PDP Information:**

For Pesticide Data Program information check out our Internet Web Site:

<http://www.ams.usda.gov/science/pdp/>

Attachments