



January 8, 2007

TO: See Distribution List

FROM: Martha Lamont
Director

SUBJECT: Semi-Annual Program Plan (January through June 2007) – Pesticide Data Program –
REVISION 01

This revised Program Plan serves as the current Statement of Work for the period January through June 2007 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). This revision reflects sampling of heavy cream rather than half and half and changes in the Proficiency Testing (PT) schedule.

I. ADMINISTRATIVE UPDATES

- A. Summary Status:** The 2005 PDP Annual Summary was posted to the PDP website on November 8, 2006. Printed copies will be distributed in December 2006.
- 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.). The Monitoring Programs Office (MPO) requires this information for financial management, workload assignments, and to monitor potential backlogs.

C. Program Meetings:

PDP Federal/State Meeting: A PDP Federal/State Meeting was held September 26-28, 2006 in St. Paul, Minnesota. Attendees included Administrative, Sampling, and Technical Program Managers and agenda topics included: administrative and financial matters, program planning, sampling, special projects, method validation and marker pesticides, proficiency testing, and data storage/archival. The EPA/Health Effects Division (HED) presented a registration review update and information on import tolerances. A tour of the Minnesota laboratory concluded the meeting.

PDP Conference Call: A PDP Conference Call was held October 20, 2006 with PDP Sampling Managers and Technical Program Managers to discuss sampling/testing issues pending from the September Federal/State Meeting regarding new commodities (cranberries, blueberries, cherries, nectarines, peaches, butter/cream/half and half, soy protein isolate). Decisions made during this call are reflected in this Semi-Annual Program Plan.

PDP Quality Assurance (QA)/Technical Meeting: A PDP QA/Technical Meeting will be held March 20-22, 2007 in Crystal City, Virginia. Additional details will be provided under separate cover.

D. Technical Advisory Group (TAG): Theresa Struble, Michigan, is the current PDP Technical Advisory Group (TAG) Presiding Member. Heidi Phillips, Colorado, and Gail Parker, Florida, join Ms. Struble on the TAG.

E. January through June 2007 Proficiency Testing Program: The following table outlines the PT program schedule for January through June 2007. This portion of the PT program includes samples for fresh and processed fruit and vegetables, dairy, corn grain, and water.

PT SET NO.	SHIPMENT DATE ¹	PROVIDER	COMMODITY	LABORATORY
152	January 2007	FAPAS	Peaches	CA1, FL1, MI1, NY1, OH1, TX1, WA1
153	March 2007	CDFA	Frozen potatoes	CA1, WA1
154	April 2007	CDFA	Half and half	US2
155	April 2007	Ultra and GLEC	Water	CO1, MN1, MT1, NY1
156	May 2007	CDFA	Corn grain	US3
157	June 2007	AOAC	Carrots	CA1, FL1, MI1, NY1, OH1, TX1, WA1

Target shipment date for all providers, except FAPAS, is the second Tuesday of the month. FAPAS rounds will ship on Mondays.

For assays involving frozen potatoes, half and half, and corn grain, please provide any special requirements for sample preparation (e.g., silinization of glassware) to the CDFA, Quality Assurance Unit (QAU). For corn grain, the Grain Inspection, Packers, and Stockyards Administration (GIPSA) laboratory will supply ground corn matrix to the CDFA QAU for spiking. All PT samples are subject to validated compounds specified in the applicable PDP-QC-13 addendum. Analyte levels are determined based on the limits of detection (LODs) reported to the PDP central database. Report results via e-mail to the CDFA QAU using the Excel template provided with the PT set. Report Below Quantifiable Level (BQL) results as the calculated value rather than one-half the Limit of Quantitation (LOQ).

General multi-residue method (MRM) samples for fresh fruit and vegetables will be supplied by FAPAS in January 2007 and AOAC in June 2007. Participants are only evaluated for those residues analyzed by their laboratory and the report provided will clearly identify these pesticides. Please report results according to FAPAS and AOAC reporting requirements.

For water, Ultra will supply custom mixes to be spiked by the laboratory QAU into site samples collected by Great Lakes Environmental Center (GLEC) according to the protocol supplied by MPO. Samples will then be transferred to the technical group for analysis. Results for all samples should be reported via e-mail or fax to MPO using the form provided with the PT set.

For all PT rounds, please also report results to MPO via Remote Data Entry (RDE) procedures. Contact MPO for further information/instructions.

F. Standard Operating Procedures (SOPs):

New and Revised SOPs Released October 1, 2006

- PDP-DATA-03, Quantitation and Confirmation of Pesticide Residues
- PDP-DATA-04; Data Submission, Storage, Retrieval, and Archival
- PDP-LABOP-03; Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities
- PDP-INST-04, Injection Sequence
- PDP-QC-07, Demonstration of Method Performance
- PDP-QC-10, LOD and LOQ for Chromatographic Methods
- PDP-QC-13; Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings
- PDP-QC-13 Broccoli, Commodity Specific Requirements for Broccoli
- PDP-QC-13 Corn Grain, Commodity Specific Requirements for Corn Grain
- PDP-QC-13 Greens, Commodity Specific Requirements for Greens
- PDP-QC-13 Peaches, Commodity Specific Requirements for Peaches
- PDP-QC-13 Potatoes, Commodity Specific Requirements for Potatoes
- PDP-QC-13 Poultry, Commodity Specific Requirements for Poultry
- PDP-QC-13 Raisins, Commodity Specific Requirements for Raisins
- PDP-QC-13 Summer Squash, Commodity Specific Requirements for Summer Squash

SOPs Archived October 1, 2006

- PDP-QC-14, Quality Assurance/Quality Control for Water

SOPs to be Released January 1, 2007

- PDP-QC-13 Blueberries, Commodity Specific Requirements for Blueberries
- PDP-QC-13 Celery, Commodity Specific Requirements for Celery
- PDP-QC-13 Cherries, Commodity Specific Requirements for Cherries
- PDP-QC-13 Cranberries, Commodity Specific Requirements for Cranberries
- PDP-QC-13 Green Beans, Commodity Specific Requirements for Green Beans
- PDP-QC-13 Groundwater, Commodity Specific Requirements for Groundwater
- PDP-QC-13 Milk-Based Dairy Products, Commodity Specific Requirements for Milk-Based Dairy Products
- PDP-QC-13 Nectarines, Commodity Specific Requirements for Nectarines
- PDP-QC-13 Tomatoes, Commodity Specific Requirements for Tomatoes
- PDP-QC-13; Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings
- PDP-QC-15, Mass Spectrometry Criteria
- PDP-QC-16, ISO 17025 Links to PDP SOPs
- PDP-LABOP-02, Chain-of-Custody Procedures
- PDP-LABOP-03; Sample Preparation for Fresh Fruit and Vegetable, Grain, and Processed Commodities
- PDP-DATA-05, Remote Data Entry (RD) System
- PDP-STD-01, Analytical Reference Standards Receipt and Storage
- PDP-STD-02, Analytical Reference Standards Preparation
- PDP-STD-03, Analytical Reference Standards Quality Control

SOPs to be Released April 1, 2007

- PDP-ADMIN-04, Equipment
- PDP-ADMIN-05, Laboratory Safety
- PDP-ADMIN-06A, USDA/AMS Quality Assurance Program
- PDP-ADMIN-07, Preparation of SOPs
- PDP-INST-01, Maintenance Procedures and Documentation
- PDP-INST-02, Equipment Calibration
- PDP-INST-03, Instrument SOPs and Manuals
- PDP-LABOP-02, Chain of Custody Procedures
- PDP-LABOP-04; Method SOPs, Extraction, Clean-up, and Analysis
- PDP-LABOP-05; Reagents Preparation, Labeling, and Storage
- PDP-LABOP-06, Glassware Calibration and Cleaning
- PDP-QC-08, Control Charting of Data

G. Electronic Transfer of Data

RDE Version Upgrades: The current version of the Web-based RDE system was installed in June 2005 and the next version upgrade is tentatively scheduled for January 2007. With the version upgrade, MPO plans to make password management more secure, increase the size of some text fields, and fix problems reported by laboratory users. The current version of the RDE e-SIF system for laptops/palmtops was distributed in December 2005. The next version upgrade is tentatively scheduled for April 2007, with the primary focus being to increase the size of some text fields. MPO maintains a Change Request Database to capture all problems identified and suggestions made regarding the RDE system.

H. Cooperative Agreements: The fiscal year 2007 Cooperative Agreements will be issued as soon as the budget is signed by the President. Funds will be made available as soon as the agreements are signed. As a reminder, billing must be monthly and contain a breakdown of sampling vs. testing costs according to the categories listed on the budget tracking template provided by MPO.

II. PROGRAM SAMPLING AND TESTING UPDATES

A. Sampling Changes and Rotations: (Draft 1st and 2nd Quarter 2007 Shipping Charts are attached to this document. Actual shipping dates and fact sheets will be sent under separate cover with final versions of the Shipping Charts.)

Sampling Deletions

Applesauce collection ends *December 31, 2006*.

Cranberries (fresh) collection ends *December 31, 2006*. Double sampling was required in November and December 2006; double sampling in October 2006 was desired, if possible. With the exception of samples from California and Maryland, samples were sent to the Michigan (MI1) laboratory; samples collected in California and Maryland were sent to the California (CA1) laboratory.

Eggplant collection ends *December 31, 2006*.

Grapefruit collection ends *December 31, 2006*.

Frozen peas collection ends *December 31, 2006*.

Plums collection ends *December 31, 2006*.

Peanut butter collection ends *December 31, 2006*.

Bottled water collection ends *December 31, 2006*.

Poultry sampling ends *December 31, 2006*. Poultry samples were collected by USDA Food Safety and Inspection Service (FSIS) inspectors and shipped to the AMS National Science Laboratory [NSL (US2)], Gastonia, North Carolina for analysis.

Raisin collection ends *June 30, 2007*.

Sampling Additions

Blueberries (fresh/frozen) are being added *January 1, 2007*. 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.

Celery is being added *January 1, 2007*. 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. Celery is replacing spinach which was discontinued in September 2006. Spinach was unavailable due to the *E. coli* O157:H7 outbreak.

Green beans (fresh) are being added *January 1, 2007*. With the exception of samples from California and Maryland, samples will be sent to the Florida (FL1) 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.

Nectarines (fresh) are being added *January 1, 2007*. All samples will be sent to the Ohio (OH1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Tomatoes (fresh) are being added *January 1, 2007*. All samples will be sent to the Ohio (OH1) laboratory. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Heavy cream is being added *January 1, 2007*. All samples will be shipped to the AMS NSL (US2), Gastonia, North Carolina for analysis. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Cherries (fresh, sweet) are being added *May 1, 2007*. Cherries will be double sampled May through August 2007. 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.

Soy-based infant formula is being added *July 1, 2007*. All samples will be sent to the AMS NSL (US2), Gastonia, North Carolina for analysis. Refer to the current commodity fact sheet for sample selection, packaging, and shipping guidelines.

Corn (whole grain) sampling began *October 1, 2006*. Corn samples are being collected by the USDA, GIPSA and shipped to the GIPSA laboratory (US3), Kansas City, Missouri.

Groundwater collection begins *January 1, 2007*. Samples will be collected from shallow, private residential wells and shipped to the Minnesota (MN1) laboratory for analysis.

Sampling Continuations

Bananas, broccoli, carrots, greens (collard/kale), peaches, frozen potatoes, raisins, and summer squash will continue to be sampled.

Raw and treated drinking water sampling will continue with testing performed by the Colorado (CO1), Montana (MT1), and New York (NY1) laboratories. Samples will continue to be collected by participating water facility personnel, with a USDA contractor, GLEC, providing sampling support service.

B. Testing Deletions and Changes:

Testing Deletions

Applesauce collection ends *December 31, 2006*. This ends multi-residue testing of applesauce under SOP PDP-QC-13 Apples by California (CA1) and New York (NY1).

Cranberry (fresh) collection ends *December 31, 2006*. Fresh cranberries were double sampled in November and December 2006, with double sampling also preferred in October 2006, if possible. Multi-residue testing for all samples, except those from California and Maryland, was performed by the Michigan (MI1) laboratory; samples from California and Maryland were tested by the California (CA1) laboratory.

Eggplant collection ends *December 31, 2006*. This ends multi-residue testing of eggplant under SOP PDP-QC-13 Eggplant by Ohio (OH1).

Grapefruit collection ends *December 31, 2006*. This ends multi-residue testing of grapefruit under SOP PDP-QC-13 Grapefruit by California (CA1) and Michigan (MI1).

Frozen peas collection ends *December 31, 2006*. This ends multi-residue testing of frozen peas under SOP PDP-QC-13 Peas by California (CA1) and Florida (FL1).

Plums collection ends *December 31, 2006*. This ends multi-residue testing of plums under SOP PDP-QC-13 Plums by Ohio (OH1).

Peanut butter collection ends *December 31, 2006*. This ends multi-residue testing of peanut butter under SOP PDP-QC-13 Peanut Butter by the USDA GIPSA laboratory (US3), Kansas City, Missouri.

Bottled water collection ends *December 31, 2006*. This ends multi-residue testing of bottled water under SOP PDP-QC-13 Bottled Water-MN by Minnesota (MN1).

Poultry collection ends *December 31, 2006*. This ends multi-residue testing of poultry (breast and thigh tissues) under SOP PDP-QC-13 Poultry by the AMS NSL (US2), Gastonia, North Carolina.

Raisin collection ends *June 30, 2007*. This ends multi-residue testing of raisins under SOP PDP-QC-13 Raisins by California (CA1) and Texas (TX1).

Testing Additions

Blueberry (fresh) testing will begin *January 1, 2007*. 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 Blueberries. Draft requirements include all current registered uses for blueberries. Please contact MPO with any necessary changes to this testing profile.

Celery is being added *January 1, 2007*. 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 Celery. Draft requirements include all current registered uses for celery. Please contact MPO with any necessary changes to this testing profile. Celery is replacing spinach which was discontinued in September 2006. Spinach was unavailable due to the *E. coli* O157:H7 outbreak.

Green beans (fresh) are being added *January 1, 2007*. Multi-residue testing for all samples, except those from California and Maryland, will be performed by the Florida (FL1) 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 Green Beans. Draft requirements include all current registered uses for green beans. Please contact MPO with any necessary changes to this testing profile.

Nectarines (fresh) are being added *January 1, 2007*. Multi-residue testing for all samples will be performed by the Ohio (OH1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Nectarines. Draft requirements include all current registered uses for nectarines. Please contact MPO with any necessary changes to this testing profile.

Tomatoes (fresh) are being added *January 1, 2007*. Multi-residue testing for all samples, will be performed by the Ohio (OH1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Tomatoes. Draft requirements include all current registered uses for tomatoes. Please contact MPO with any necessary changes to this testing profile.

Heavy cream is being added *January 1, 2007*. Multi-residue testing as well as fat content analysis for all samples will be performed by the AMS NSL (US2), Gastonia, North Carolina. Commodity specific requirements are listed in draft SOP PDP-QC-13 Dairy. Draft requirements include all current registered uses for milk. Please contact MPO with any necessary changes to this testing profile.

Cherries (fresh, sweet) are being added *May 1, 2007*. Double samples of cherries will be collected during May through August 2007. 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 Cherries. Draft requirements include all current registered uses for cherries. Please contact MPO with any necessary changes to this testing profile.

Soy-based infant formula is being added *July 1, 2007*. Multi-residue testing for all samples will be performed by the AMS NSL (US2), Gastonia, North Carolina. Commodity specific requirements are listed in draft SOP PDP-QC-13 Soybeans. Draft requirements include all current registered uses for soybeans. Please contact MPO with any necessary changes to this testing profile.

Corn (whole grain) was added *October 1, 2006*. Sampling is performed by USDA FGIS inspectors. Multi-residue testing for all samples is performed by the USDA GIPSA laboratory (US3), Kansas City, Missouri. Commodity specific requirements are listed in SOP PDP-QC-13 Corn Grain. Draft requirements include all current registered uses for corn grain. Please contact MPO with any necessary changes to this testing profile.

Groundwater is being added *January 1, 2007*. Multi-residue testing for all samples will be performed by the Minnesota (MN1) laboratory. Commodity specific requirements are listed in draft SOP PDP-QC-13 Groundwater. Draft requirements contain compounds identified by EPA. Please contact MPO with any necessary changes to this testing profile.

Testing Continuations

Multi-residue testing for **bananas, broccoli, carrots, greens (collard/kale), peaches, frozen potatoes, raisins, and summer squash** continue.

Raw and treated drinking water sampling will continue with testing performed by the Colorado (CO1), Montana (MT1), and New York (NY1) laboratories. Collection sites will be revised January 2007. GLEC will continue to provide sampling support services and collection will continue to be performed by participating water facility personnel.

C. Web Site for PDP Information:

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

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

Attachment