



## PESTICIDE RESIDUE CHECK SAMPLE PROGRAM

State of Wisconsin  
Department of Agriculture, Trade and Consumer Protection  
Bureau of Laboratory Services

November 2007

The regulatory laboratory of the State of Wisconsin, Department of Agriculture, Trade and Consumer Protection worked collaboratively with EPA to develop a self sustaining check sample program. With guidance from the laboratory sub-committee of the Association of American Pesticide Control Officials (AAPCO) the objectives for the program were formulated.

### Program Objectives

- Provide to enforcement laboratories samples that are real-world in their make-up, and contain pesticides of interest at relevant concentration levels.
- Provide statistical summaries that are tools for laboratories to assess method performance in the framework of their internal QA programs.
- Be financially sustainable, without on-going EPA support, through the use of fees necessary to cover program costs.
- Be administered by a State laboratory that has a strong background in pesticide mis-use enforcement testing.

### Program Framework

- A subscription program that will consist of two sets of samples per year, one set arriving in January and one set arriving in October.
- Each set will consist of 5 samples, **see page 2 for details.**
- The participating labs will have 6 weeks to complete the samples and submit results.
- Each participating lab will receive a report containing textual information and statistical summaries to include mean values and z-scores.
- The participating laboratories will be identified in the reports by randomly selected codes such that identities will not be known to other laboratories.
- There will be an opportunity for the participating laboratories to offer feedback for program improvement.

The program will be administered by the Bureau of Laboratory Services of the State of Wisconsin, Department of Agriculture-TCP.

**Cost for the annual subscription    \$1100**

***Completing the attached form is all that is required to participate in 2008. Program contact information is contained on the form.***



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### Samples

- Each set will consist of five separate samples of identical sample type. The sample type in January of 2008 will be soil.
- One of the 5 samples will be designated as a blank and be made known to the laboratory.
- Each of the other 4 samples will contain at least one but not more than five of the pesticides listed in the pesticide categories listed below.
- Only one pesticide category will be contained in a given sample.

Category and Analyte Concentration Range	Chemicals
Category (1) Glyphosate and Metabolite 0.5 ppm to 2.0 ppm	Glyphosate Amino Methyl Phosphonic Acid (AMPA)

Category and Analyte Concentration Range	Chemicals
Category (2) Imidaziliones 0.05 to 0.20 ppm	Imazethapyr Imazapyr
	Imazamox Imazaquin

Category and Analyte Concentration Range	Chemicals
Category (3) OP/ON 0.20 to 2.0 ppm	Acetochlor Atrazine Chlorpyrifos Chlorothalnil Cyanazine Diazinon Demeton-O Demeton-S Dimethoate Ethion Fenthion
	Fonofos Malathion Pendimethalin Parathion Parathion-Methyl Phorate Phosmet Propazine Pyrethroid (s)

Category and Analyte Concentration Range	Chemicals
Category (4) Herbicides 0.20 to 2.0 ppm	Aciflourfen 2,4-D Chloramben Clopyralid Dalapon
	Dicamba MCPA MCPP Pictoram 2,4,5-TP (Silvex)