

**United States Department of Agriculture  
Agricultural Marketing Service, Science & Technology  
Pesticide Data Program**

SOP No.: PDP-QC-13 Spinach		Page 1 of 5
Title: Commodity Specific Requirements for Spinach		
Revision: 3	Replaces: 04/01/03	Effective: 10/01/03

**1. Purpose:**

To provide a listing of PDP identified required compounds for spinach.

**2. Scope:**

This standard operating procedure shall be followed by all laboratories analyzing spinach for PDP. This SOP shall be used in conjunction with QC-13 which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

**3. Outline of Procedure:**

- 5.1 Compounds Required for Spinach Multi Residue Screens
- 5.2 Marker Pesticides for Spinach Multi Residue Screens

**4. References:**

- ? PDP Program Plan July – December 2002
- ? USDA, AMS-EPA PDP Planning Meeting, January 30, 2002
- ? SOP PDP-QC-13, “Required Compounds, Commodity Groups, and Marker Pesticides”
- ? Pesticide Chemical News Guide

**5. Specific Procedures:**

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

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**5.1 Compounds Required for Spinach Multi Residue Screens**

<b>Spinach Compound</b>	<b>Reported As</b>	<b>PestCode</b>
Azinphos methyl		042
Captan <sup>1</sup>		011
Carbaryl		102
Chlorpropham		114
Cycloate		232
Cypermethrin		597
DDE	DDE o,p'	911
	And/or DDE p,p'	910
	Or DDE (total combined)	300
Diazinon		024
Diazinon O-analog		395
Dichlorvos (DDVP)		338
Dieldrin		028
Dimethoate		171
Disulfoton		117
Disulfoton sulfone		216
Endosulfan I		900
Endosulfan II		901
Endosulfan sulfate		902
Fludioxonil		B23
Fluridone		736
Fonofos <sup>1</sup>		163
Heptachlor epoxide		143
Lindane		050
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methomyl		159

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<sup>1</sup> Required only on samples received by CA1 from CA and MD. Analysis by TX1 on samples received from CO, FL, MI, NY, OH, TX, WA, and WI is not required.

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<b>Spinach Compound</b>	<b>Reported As</b>	<b>PestCode</b>
Methoxychlor	Methoxychlor p,p'	275
	Or Methoxychlor (total combined)	055
Metolachlor		283
Mevinphos	Mevinphos E	579
	And Mevinphos Z	578
	Or Mevinphos (total combined)	069
Myclobutanil		679
Omethoate		178
Oxadixyl		A46
Parathion		065
Parathion O-analog		370
Permethrin	Permethrin cis	222
	And Permethrin trans	223
	Or Permethrin (total combined)	539
Phenmedipham		791
Prometryn		249
Trifluralin		151

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9/22/03

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