

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

SOP No.: PDP-QC-13L		Page 1 of 6
Title: Commodity Specific Requirements for Potatoes		
Revision: 3	Replaces: 01/01/01	Effective: 04/01/01

1. Purpose:

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

2. Scope:

This standard operating procedure shall be followed by all laboratories analyzing potatoes 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 Potato Multiresidue Screens
- 5.2 Marker Pesticides for Potato Multiresidue Screens

4. References:

- USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 2001
- PDP Program Plans, July – December 2000, January – June 2001
- PDP Federal/State Meeting, October 31 - November 2, 2000
- PDP 2000-2001 Program Planning Meeting, April 26, 2000
- SOP PDP-QC-13, “Required Compounds, Commodity Groups, and Marker Pesticides”, revision 6, April 1, 2000
- Pesticide Chemical News Guide (PCNG), April 2000

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 Potato Multiresidue Screens

Potato Compound	Reported As	Pest Code
3-Hydroxycarbofuran		512
Aldicarb sulfone		168
Aldicarb sulfoxide		169
Azinphos methyl		042
Captafol		174
Captan		011
Carbaryl		102
Carbofuran		180
Chlorothalonil		164
Chlorpropham		114
Cyfluthrin		781
DCPA		134
DDE	DDE o,p'	911
	And/or DDE p,p'	910
	Or DDE (total combined)	300
Diazinon		024
Diazinon O-analog		395
Dicloran		144
Dieldrin		028
Dimethoate		171
Dimethomorph ¹		ABE
Diphenamid		330
Disulfoton		117
Disulfoton sulfone		216
Endosulfan I		900
Endosulfan II		901

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Potato Compound	Reported As	Pest Code
Endosulfan sulfate		902
Ethoprop		175
Fenvalerate/Esfenvalerate	Fenvalerate	546
	And Esfenvalerate	714
	Or Fenvalerate (total combined)	546
Fluridone ¹		736
Fonofos		163
Heptachlor epoxide		143
Hexachlorobenzene (HCB)		321
Iprodione		626
Lindane		050
Linuron ¹		129
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methamidophos		170
Methomyl		159
Methoxychlor	Methoxychlor p,p'	275
	Or Methoxychlor (total combined)	055
Metolachlor		283
Metribuzin ¹		181
Monocrotophos		343
Omethoate		178
Oxamyl		537
PCNB		304

¹ 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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Potato Compound	Reported As	Pest Code
Parathion		065
Parathion O-analog		370
Pendimethalin		230
Pentachlorobenzene (PCB)		387
Permethrin	Permethrin cis	222
	And Permethrin trans	223
	Or Permethrin (total combined)	539
Phorate		148
Phorate sulfone		189
Phosmet		165
Piperonyl butoxide		070
Propargite ¹		623
Thiabendazole		157
Trifluralin		151
Vernolate		201

5.2 Marker Pesticides for Potato Multiresidue Screens

Aldicarb sulfoxide	Azinphos methyl	Carbaryl
DDE p,p'	Diazinon	Dicloran
Dimethoate	Endosulfan I	Iprodione
Methamidophos	Methomyl	PCNB
Permethrin	Propargite	Thiabendazole

Fran Gross

3/21/01

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Reviewed By: Fran Gross Date
Presiding Member of PDP QA Committee
New York State Department of Agriculture and Markets
Food Laboratory
State Office Campus, Building 7
Albany, NY 12235
(518) 457-5734

Diana Haynes 3/26/01

Reviewed By: Diana Haynes Date
Quality Assurance Officer, PDP
8700 Centreville Road, Suite 200
Manassas, VA 20110
(703) 330-2300

Martha Lamont 3/26/01

Approved By: Martha Lamont Date
Technical Director, PDP
8700 Centreville Road, Suite 200
Manassas, VA 20110
(703) 330-2300

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- Updated section 4, "References"
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- Removed testing requirements for dimethomorph, fluridone, metribuzin, and propargite from TX1
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