

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

SOP No.: PDP-QC-13 Potatoes		Page 1 of 8
Title: Commodity Specific Requirements for Potatoes		
Revision: 7	Replaces: 10/01/06	Effective: 07/01/07

**1. Purpose:**

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

**2. Scope:**

This standard operating procedure (SOP) shall be followed by all laboratories analyzing potatoes for PDP. This SOP shall be used in conjunction with QC-13, which specifies procedures for selecting marker compounds and process controls and identifies PDP commodity groupings.

**3. References:**

- PDP Program Plan, January through June 2006
- USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 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, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings"
- Pesticide Chemical News Guide (PCNG)

**4. Specific Procedures:**

This 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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**Compounds Required for Potato Multiresidue Screens**

<b>Potato Compound</b>	<b>Reported As</b>	<b>Pest Code</b>	<b>Priority</b>
1-Naphthol		382	2
3-Hydroxycarbofuran		512	2
5-Hydroxythiabendazole		B28	3
Acephate		204	1
Acetamiprid		AEU	2
Aldicarb		167	2
Aldicarb sulfone		168	2
Aldicarb sulfoxide		169	2
Aldrin		001	3
Azinphos methyl		042	1
Azoxystrobin		ACX	2
Bendiocarb		658	2
Benoxacor		A05	4
BHC alpha		903	3
Bifenazate		ADF	3
Bifenthrin		930	1
Boscalid		AEO	2
Captan	Captan and/or	011	3
	Tetrahydrophthalimide (THPI)	624	
Captafol <sup>1</sup>	Captafol and/or	174	3
	Tetrahydrophthalimide (THPI)	624	
Carbaryl		102	2
Carbofuran		180	2
Carfentrazone ethyl <sup>1</sup>		B21	4

<sup>1</sup> Required only on samples received by CA1 from CA and MD. Analysis by WA1 on samples received from CO, FL, MI, NY, OH, TX, WA, and WI is not required.

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<b>Potato Compound</b>	<b>Reported As</b>	<b>Pest Code</b>	<b>Priority</b>
Chlordane	Chlordane cis and/or	173	3
	Chlordane trans or	172	
	Chlordane (total)	014	
Chlorothalonil		164	3
Chlorpropham		114	2
Chlorpyrifos		160	1
Clothianidin		AEP	2
Cyfluthrin		781	1
Cyhalothrin	Cyhalothrin, lambda and	AEM	1
	Cyhalothrin R157836 epimer or	AEN	
	Cyhalothrin, total (L-cyhalothrin + R157836 epimer)	AEL	
Cypermethrin		597	1
DCPA		134	3
DDD	DDD o,p' and/or	909	3
	DDD p,p' or	908	
	DDD (total)	087	
DDE	DDE o,p' and/or	911	3
	DDE p,p' or	910	
	DDE (total)	300	
DDT	DDT o,p' and/or	907	3
	DDT p,p' or	906	
	DDT (total)	022	
Deltamethrin (includes parent tralomethrin)		612	1
Diazinon		024	1
Diazinon O-analog		395	1
Dichlorvos (DDVP)		338	1
Dicloran		144	3

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<b>Potato Compound</b>	<b>Reported As</b>	<b>Pest Code</b>	<b>Priority</b>
Dieldrin		028	3
Dimethenamid <sup>2</sup>		ADD	3
Dimethoate		171	1
Dimethomorph		ABE	3
Dinotefuran		AFO	2
Diuron		032	3
Disulfoton		117	1
Disulfoton sulfone		216	1
Endosulfan I		900	3
Endosulfan II		901	3
Endosulfan sulfate		902	3
Endrin		034	3
EPTC <sup>2</sup>		200	3
Esfenvalerate/Fenvalerate	Fenvalerate+Esfenvalerate	ADE	1
Ethoprop		175	1
Famoxadone <sup>1</sup>		AEW	3
Fenamidone <sup>1</sup>		AFP	3
Fludioxonil		B23	3
Fluridone		736	3
Flutolanil <sup>2</sup>		ABJ	3
Fonofos		163	3
Hexachlorobenzene (HCB)		321	3
Imidacloprid		967	2
Indoxacarb		ADG	2
Iprodione		626	3
Lindane		050	3
Linuron		129	3

<sup>2</sup> Required only on samples received by WA1 from CO, FL, MI, NY, OH, TX, WA, and WI. Analysis by CA1 on samples received from CA and MD is not required

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<b>Potato Compound</b>	<b>Reported As</b>	<b>Pest Code</b>	<b>Priority</b>
Malathion		052	1
Malathion O-analog		208	1
Metalaxyl		607	3
Methamidophos		170	1
Methomyl		159	2
Methoxyfenozide		AES	3
Metolachlor		283	3
Metribuzin		181	2
Myclobutanil		679	2
Novaluron <sup>2</sup>		AFX	3
Omethoate		178	1
Oxamyl		537	2
Oxamyl oxime		A47	2
Parathion methyl		057	1
Parathion methyl O-analog		779	1
Pendimethalin <sup>1</sup>		230	3
Pentachloroaniline (PCA) <sup>2</sup>		351	3
Pentachlorobenzene (PCB)		387	3
Pentachlorophenyl methyl sulfide <sup>2</sup>		388	3
Permethrin	Permethrin cis and/or Permethrin trans OR Permethrin (total)	222 223 539	1
Phorate		148	1
Phorate sulfone		189	1
Phorate sulfoxide <sup>2</sup>		190	1
Phosmet		165	1
Piperonyl butoxide		070	3
Prallethrin		ADC	1

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<b>Potato Compound</b>	<b>Reported As</b>	<b>Pest Code</b>	<b>Priority</b>
Propargite		623	3
Propetamphos		636	1
Pyraclostrobin		AFG	2
Pyraflufen ethyl <sup>2</sup>			4
Pyrimethanil <sup>1</sup>		B16	3
Pyriproxyfen		B24	3
Quintozene (PCNB)		304	3
Resmethrin	Resmethrin cis and/or	AEJ	1
	Resmethrin trans or	AEK	
	Resmethrin (total)	556	
Spinosad <sup>1</sup>	Spinosad A and/or	ABC	3
	Spinosad D or	ABD	
	Spinosad (total)	ABB	
Sulfentrazone <sup>1</sup>		AAY	4
Thiabendazole		157	3
Thiamethoxam		B43	2
Trifloxystrobin		ADQ	2
Trifluralin		151	3

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*6/20/07*

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*6/25/07*

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Revision 7

May 2007

Monitoring Programs Office

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- Added CA1 testing requirement for acetamiprid
- Removed CA1 testing requirement for flutolanil, and phorate sulfoxide
- Removed WA1 testing requirement for captafol, carfentrazone ethyl, famoxadone, fenamidone, pendimethalin, and sulfentrazone
- Deleted cyazofamid and spiromesifen

Revision 6

- Removed WA1 testing requirements for pyrimethanil and spinosad
- Deleted 2,4-D; abamectin; carbendazim; clethodim; cymoxanil; cyromazine; diquat; disulfoton sulfoxide; endothall; fluazinam; flumioxazin; glufosinate ammonium; glyphosate; hydroprene; maleic hydrazide; mancozeb; maneb; methyl bromide; metiram; paraquat; propamocarb hydrochloride; pymetrozine; pyrethrins; rimsulfuron; sethoxydim; sulfosate; streptomycin; triphenyltin hydroxide; and zoxamide

Revision 5

- Changed fonofos priority level from 1 to 3 to reflect current data needs
  - Removed CA1 testing requirements for 2,4-D; abamectin; acetamiprid; carbendazim; clethodim; cyazofamid; cymoxanil; cyromazine; dimethenamid; diquat; disulfoton sulfoxide; endothall; EPTC; fluazinam; flumioxazin; glufosinate ammonium; glyphosate; hydroprene; maleic hydrazide; mancozeb; maneb; methyl bromide; metiram; novaluron; paraquat; pentachloroaniline; pentachlorophenyl methyl sulfide; propamocarb hydrochloride; pymetrozine; pyraflufen ethyl; pyrethrins; rimsulfuron; sethoxydim; sulfosate; streptomycin; triphenyltin hydroxide; and zoxamide
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