

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

SOP No.: PDP-QC-13 Wheat		Page 1 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

**1. Purpose:**

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

**2. Scope:**

This standard operating procedure (SOP) shall be followed by all laboratories analyzing wheat for PDP. This SOP shall be used in conjunction with SOP PDP-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 Wheat Multi-residue Screens
- 5.2 Marker Pesticides for Wheat Multi-residue Screens

**4. References:**

- ? PDP Program Plan January – June 2003
- ? SOP PDP-QC-13, “Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings”
- ? Pesticide Chemical News Guide, September 1, 2002
- ? PDP Federal/State Meeting, October 22-23, 2002

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

SOP No.: PDP-QC-13 Wheat		Page 2 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

**5.1 Compounds Required for Wheat Multi-residue Screens**

<b>Wheat Compound</b>	<b>Reported As</b>	<b>PestCode</b>
1,2,4-Triazole		A68
3-Hydroxycarbofuran		512
Acetochlor		807
Allethrin		002
Atrazine		305
Bromuconazole 46		ADU
Bromuconazole 47		ADV
Carbaryl		102
Carbofuran		180
Carboxin1		210
Carfentrazone ethyl		B21
Chlorpyrifos		160
Chlorpyrifos methyl		235
Cyanazine		228
Cyfluthrin		781
Cyproconazole		A22
DDE	DDE o,p'	911
	And/or DDE p,p'	910
	Or DDE (total combined)	300
Diazinon		024
Diazinon O-analog		395
Diclofop methyl		299
Dieldrin		028
Difenoconazole		ABK
Dimethoate		171
Dimethomorph		ABE
Disulfoton <sup>1</sup>		117
Disulfoton sulfone		216
Endosulfan I		900
Endosulfan II		901

<sup>1</sup> Compound is designated as "laboratory's best".

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

SOP No.: PDP-QC-13 Wheat		Page 3 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

<b>Wheat Compound</b>	<b>Reported As</b>	<b>PestCode</b>
Endosulfan sulfate		902
Epoxiconazole		B53
Etridiazole		722
Fenbuconazole		A30
Fenitrothion		391
Fludioxonil <sup>1</sup>		B23
Flufenacet		B30
Fluridone		736
Heptachlor epoxide		143
Hexaconazole		954
Imazalil		604
Lambda cyhalothrin <sup>1</sup>	Lambda cyhalothrin total	A39
Lindane		050
Linuron		129
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methoprene <sup>1</sup>		ACV
Methoxychlor	Methoxychlor p,p' Or Methoxychlor (total combined)	275 055
Metolachlor		283
Metribuzin		181
Myclobutanil		679
Omethoate <sup>1</sup>		178
Parathion		065
Parathion O-analog		370
Phorate		148
Phorate sulfone		189
Piperonyl butoxide		070
Pirimiphos methyl		562
Propanil		341
Propiconazole		264

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

SOP No.: PDP-QC-13 Wheat		Page 4 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

<b>Wheat Compound</b>	<b>Reported As</b>	<b>PestCode</b>
RH-9129 (metabolite of fenbuconazole)		A54
RH-9130 (metabolite of fenbuconazole)		A55
TCMTB		793
Tebuconazole		A58
Tetraconazole		ADO
Thiabendazole		157
Thiamethoxam		B43
Triadimefon		608
Triadimenol		638
Triallate		621
Triazole acetic acid		ADX
Triazole alanine		ADW
Trifluralin		151
Triticonazole		ADR

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

SOP No.: PDP-QC-13 Wheat		Page 5 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

**5.2 Marker Pesticides for Wheat Multi-residue Screens**

Marker pesticides established for wheat are those compounds designated as required compounds in this SOP, with the exception of those noted as “lab’s best” compounds.



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

SOP No.: PDP-QC-13 Wheat		Page 6 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

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7/9/03

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**United States Department of Agriculture  
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Pesticide Data Program**

SOP No.: PDP-QC-13 Wheat		Page 7 of 7
Title: Commodity Specific Requirements for Wheat		
Revision: 01	Replaces: 01/01/03	Effective: 07/15/03

Revision 01

June 2003

Monitoring Programs Office

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- ? Removed clodinafop-propargyl, clofencet, cloquintocet methyl, diuron, ethephon, fenitrothion O-analog, flucarbazone sodium, HWG 2061, imazamox, imidacloprid, methomyl, RP-40486, RP-406341, and tralkoxydim
  - ? Designated “laboratory’s best” compounds: carboxin, disulfoton, fludioxonil, lambda cyhalothrin, methoprene, and omethoate
  - ? Added codes for 1,2,4-triazole, bromuconazole 46, bromuconazole 47, cyproconazole, epoxiconazole, flufenacet, RH-9129, RH-9130, tetraconazole, thiamethoxam, triazole acetic acid, triazole alanine, and triticonazole
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