

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

SOP No.: PDP-QC-13X		Page 1 of 5
Title: Commodity Specific Requirements for Barley		
Revision: 2	Replaces: 07/01/01	Effective: 06/01/02

1. Purpose:

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

2. Scope:

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

4. References:

- USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 2001
- 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
- Federal/State Meeting, October 26-28, 1999

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 Barley Multiresidue Screens

Barley Compound	Reported As	Pest Code
3-Hydroxycarbofuran		512
Allethrin		002
Carbaryl		102
Carbofuran		180
Carboxin		210
Chlorpyrifos methyl		235
Cyfluthrin		781
DDE	DDE o,p'	911
	And/or DDE p,p'	910
	Or DDE (total combined)	300
Deltamethrin		612
Dichlorvos ¹		338
Diclofop-methyl		299
Dieldrin		028
Difenoconazole		ABK
Dimethomorph		ABE
Disulfoton		117
Disulfoton sulfone		216
Endosulfan I		900
Endosulfan II		901
Endosulfan sulfate		902
Fenvalerate/Esfenvalerate	Fenvalerate	546
	And Esfenvalerate	714
	Or Fenvalerate (total combined)	546
Fludioxonil		B23
Fluridone		736
Heptachlor epoxide		143
Imazalil		604
Imidacloprid		967
Lambda cyhalothrin		A39

¹ Compound is noted as laboratory's best effort.

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Barley Compound	Reported As	Pest Code
Lindane ¹		050
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methamidophos ¹		170
Methomyl		159
Methoprene		ACV
Methoxychlor	Methoxychlor p,p' Or Methoxychlor (total combined)	275 055
Metolachlor		283
Metribuzin		181
Myclobutanil		679
Parathion		065
Parathion O-analog		370
Piperonyl butoxide		070
Propanil		341
Propiconazole		264
Resmethrin		556
TCMTB		793
Tebuconazole		A58
Triadimenol		638
Tri-allate		621
Trifluralin		151

5.2 Marker Pesticides for Barley Multiresidue Screens

All required compounds serve as marker compounds for barley, unless specified as “laboratory’s best effort” during method evaluation studies.

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05/15/02

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