

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

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

1. Purpose:

To provide a listing of PDP identified required compounds for summer squash.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories analyzing summer squash 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 July through December 2006
- 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.

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

SOP No.: PDP-QC-13 Summer Squash		Page 2 of 7
Title: Commodity Specific Requirements for Summer Squash		
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Compounds Required for Summer Squash Multi Residue Screens

Summer Squash Compound	Reported As	Pest Code	Priority
1-Naphthol ¹		382	2
3-Hydroxycarbofuran		512	2
Acephate		204	1
Aldrin		001	3
Azoxystrobin		ACX	2
Bendiocarb		658	2
	BHC alpha and/or	903	
BHC	BHC beta or	904	3
	BHC (total)	006	
Bifenazate ¹		ADF	3
Bifenthrin		930	1
Boscalid		AEO	2
Buprofezin		B52	3
Captan	Captan and/or	011	3
	Tetrahydrophthalimide (THPI)	624	
Carbaryl		102	2
Carbofuran		180	2
Carfentrazone ethyl		B21	4
Chlordane	Chlordane cis and/or	173	3
	Chlordane trans or	172	
	Chlordane (total)	014	
Chlorothalonil		164	3
Chlorpyrifos		160	1
Clomazone		719	3
Clothianidin ¹		AEP	2
Cyfluthrin		781	1

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.

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

SOP No.: PDP-QC-13 Summer Squash		Page 3 of 7
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Summer Squash Compound	Reported As	Pest Code	Priority
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 ¹	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
Dicofol	Dicofol o,p' and/or	253	3
	Dicofol p,p' or	254	
	Dicofol (total)	047	
Dieldrin		028	3
Dimethomorph		ABE	3
Dinotefuran ¹		AFO	2
Endosulfan I		900	3
Endosulfan II		901	3
Endosulfan sulfate		902	3
Endrin		034	3
Esfenvalerate/Fenvalerate	Fenvalerate+Esfenvalerate	ADE	1
Ethalfuralin		721	3
Famoxadone		AEW	3

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SOP No.: PDP-QC-13 Summer Squash		Page 4 of 7
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Summer Squash Compound	Reported As	Pest Code	Priority
Fenamidone		AFP	3
Fenpropathrin		808	1
Flonicamid ²			2
Fludioxonil		B23	3
Fluridone		736	3
Halosulfuron ¹		AFK	4
Heptachlor		044	3
Heptachlor epoxide		143	3
Hydroprene ²		AEC	3
Imidacloprid ¹		967	2
Lindane		050	3
Malathion		052	1
Malathion O-analog		208	1
Metalaxyl		607	3
Methamidophos		170	1
Methomyl		159	2
Methoxyfenozide ¹		AES	3
Mevinphos	Mevinphos E and/or	579	1
	Mevinphos Z or	578	
	Mevinphos (total)	069	
Myclobutanil		679	1
Napropamide		594	3
Oxamyl		537	2
Oxamyl oxime ¹		A47	2
Oxydemeton methyl sulfone		245	1
Permethrin	Permethrin cis and/or	222	1
	Permethrin trans or	223	
	Permethrin (total)	539	
Piperonyl butoxide		070	3

² Required only on samples received by TX1 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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Pesticide Data Program**

SOP No.: PDP-QC-13 Summer Squash		Page 5 of 7
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Summer Squash Compound	Reported As	Pest Code	Priority
Prallethrin		ADC	1
Propetamphos		636	1
Pyraclostrobin ¹		AFG	2
Pyriproxyfen		B24	3
Resmethrin		556	1
Spinosad ¹	Spinosad A and/or Spinosad D or Spinosad (total)	ABC ABD ABB	3
Thiamethoxam		B43	2
Triadimefon		608	1
Triadimenol		638	1
Trifloxystrobin		ADQ	2
Triflumizole		A61	1
Trifluralin		151	3
Zoxamide ²		B44	4

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Pesticide Data Program**

SOP No.: PDP-QC-13 Summer Squash		Page 7 of 7
Title: Commodity Specific Requirements for Summer Squash		
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Revision 1

May 2007

Monitoring Programs Office

- Deleted 2,4-D; abamectin; bensulide; carbendazim; clethodim; cryolite; cyazofamid; cymoxanil; cyromazine; diquat; fosetyl-Al; glyphosate; mancazeb; maneb; methyl bromide; oxydemeton methyl; paraquat; phosphine; propamocarb HCl; pymetrozine; pyrethrins; sethoxydim; spiromesifen; and ziram
- Removed CA1 testing requirements for flonicamid, hydroprene, and zoxamide
- Removed TX1 testing requirements for 1-naphthol, bifenazate, clothianidin, DDT, dinotefuran, halosulfuron, imidacloprid, methoxyfenozone, oxamyl oxime, pyraclostrobin, and spinosad

Original

- Established multi-residue screening requirements for summer squash based on established tolerances
 - Included all pyrethroids of interest based on Dietary Assessment Working Group input
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