

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

|   |                    |                     |
|---|--------------------|---------------------|
| SOP No.: PDP-QC-13T                                   |                    | Page 1 of 6         |
| Title: Commodity Specific Requirements for Sweet Corn |                    |                     |
| Revision: 3   | Replaces: 06/01/02 | Effective: 01/01/03 |

**1. Purpose:**

To provide a listing of PDP identified required compounds for sweet corn.

**2. Scope:**

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

**3. References:**

- ? PDP Program Plan July – December 2002
- ? 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
- ? Federal/State Meeting, October 26-28, 1999

**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 Sweet Corn Multi-residue Screens**

| Sweet Corn Compound         | Reported As             | Group | Pest Code |
|-----------------------------|-------------------------|-------|-----------|
| 3-Hydroxycarbofuran         |                         | 14    | 512       |
| Acephate                    |                         | 11    | 204       |
| Alachlor                    |                         | 2     | 227       |
| Ametryn <sup>1</sup>        |                         | 9     | 156       |
| Atrazine                    |                         | 9     | 305       |
| Bifenthrin                  |                         | 8     | 930       |
| Butylate                    |                         | 15    | 783       |
| Captan                      |                         | 1     | 011       |
| Carbaryl                    |                         | 14    | 102       |
| Carbofuran                  |                         | 14    | 180       |
| Carboxin                    |                         | 2     | 210       |
| Chlorethoxyfos              |                         | 11    | A15       |
| Chlorothalonil <sup>1</sup> |                         | 1     | 164       |
| Chlorpyrifos                |                         | 11    | 160       |
| Cyanazine <sup>1</sup>      |                         | 9     | 228       |
| Cyfluthrin                  |                         | 8     | 781       |
| DCPA                        |                         | 3     | 134       |
| DDE                         | DDE o,p'                | 3     | 911       |
|                             | And/or DDE p,p'         |       | 910       |
|                             | Or DDE (total combined) |       | 300       |
| Diazinon                    |                         | 11    | 024       |
| Diazinon O-analog           |                         | 13    | 395       |
| Dichlorvos (DDVP)           |                         | 12    | 338       |
| Dieldrin                    |                         | 5     | 028       |
| Difenoconazole <sup>2</sup> |                         | 4     | ABK       |
| Dimethenamid <sup>2</sup>   |                         | 2     | ADD       |
| Disulfoton                  |                         | 11    | 117       |

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.

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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| <b>Sweet Corn Compound</b>             | <b>Reported As</b>                                       | <b>Group</b> | <b>Pest Code</b> |
|--|--|--------------|------------------|
| Disulfoton sulfone                     |  | 13           | 216              |
| Endosulfan I                           |  | 5            | 900              |
| Endosulfan II                          |  | 5            | 901              |
| Endosulfan sulfate                     |  | 5            | 902              |
| Ethoprop                               |  | 11           | 175              |
| Fenvalerate/ Esfenvalerate             | Esfenvalerate +<br>fenvalerate total                     | 8            | ADE              |
| Fludioxonil                            |  | 10           | B23              |
| Fluridone                              |  | 17           | 736              |
| Fonofos                                |  | 11           | 163              |
| Heptachlor epoxide                     |  | 5            | 143              |
| Lambda cyhalothrin                     |  | 8            | A39              |
| Lindane                                |  | 5            | 050              |
| Linuron <sup>1</sup>                   |  | 16           | 129              |
| Malathion                              |  | 11           | 052              |
| Malathion O-analog                     |  | 13           | 208              |
| Metalaxyl                              |  | 18           | 607              |
| Methamidophos                          |  | 11           | 170              |
| Methomyl                               |  | 14           | 159              |
| Methoxychlor                           | Methoxychlor p,p'<br>Or Methoxychlor (total<br>combined) | 3            | 275<br>055       |
| Metolachlor                            |  | 2            | 283              |
| Metribuzin                             |  | 9            | 181              |
| Myclobutanil                           |  | 4            | 679              |
| Nitrapyrin                             |  | 17           | 725              |
| o-Phenylphenol                         |  | 3            | 083              |
| Oxydemeton methyl sulfone <sup>1</sup> |  | 13           | 245              |
| Parathion                              |  | 11           | 065              |
| Parathion O-analog                     |  | 13           | 370              |
| Pendimethalin                          |  | 7            | 230              |

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| <b>Sweet Corn Compound</b> | <b>Reported As</b>             | <b>Group</b> | <b>Pest Code</b> |
|----------------------------|--------------------------------|--------------|------------------|
| Permethrin                 | Permethrin cis                 | 8            | 222              |
|                            | And Permethrin trans           |              | 223              |
|                            | Or Permethrin (total combined) |              | 539              |
| Phorate                    |                                | 11           | 148              |
| Phorate sulfone            |                                | 13           | 189              |
| Phosmet                    |                                | 11           | 165              |
| Piperonyl butoxide         |                                | 10           | 070              |
| Pirimiphos methyl          |                                | 11           | 562              |
| Propargite                 |                                | single       | 623              |
| Propiconazole              |                                | 4            | 264              |
| Resmethrin                 |                                | 8            | 556              |
| Simazine                   |                                | 9            | 149              |
| Tefluthrin                 |                                | 8            | B26              |
| Terbufos                   |                                | 11           | 205              |
| Terbufos sulfone           |                                | 13           | 963              |
| Triadimenol <sup>1</sup>   |                                | 4            | 638              |
| Vernolate                  |                                | 15           | 201              |

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Revision 3

October 2002

Monitoring Programs Office

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- ? Modified scope and references
  - ? Removed outline of procedures section
  - ? Deleted dimethomorph (no tolerance)
  - ? Removed oxydemeton methyl sulfone testing requirements for TX1
  - ? Added marker pesticide grouping information
  - ? Deleted marker pesticide requirements for sweet corn (refer to SOP PDP-QC-13)
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