Organic Control of Western Cherry Fruit Fly and Spotted Winged Drosophila
Grower Organic Cherries is a Risky Business
Products

- Spinosid
- GF120®
- Entrust®
- Pyganic®
- Grandevo®
<table>
<thead>
<tr>
<th></th>
<th>SWD</th>
<th>WCFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time from Pupa to egg laying</td>
<td>2-4 days</td>
<td>8-10 days</td>
</tr>
<tr>
<td>Generations per year</td>
<td>4-10</td>
<td>1</td>
</tr>
<tr>
<td>Hosts</td>
<td>Cherry, Berries, etc…</td>
<td>Cherry</td>
</tr>
<tr>
<td>Potential for Population growth</td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td>Peak Population Timing</td>
<td>Fall</td>
<td>Cherry Harvest</td>
</tr>
<tr>
<td>Risk of Spread</td>
<td>High</td>
<td>Low</td>
</tr>
</tbody>
</table>
Resistance Management: Do not make more than 2 consecutive applications of Group 5 insecticides (spinosad and spinetoram). If additional applications are required, rotate to an effective product in a different group for at least 2 applications. Do not make more than four applications per acre per year of Group 5 insecticides (spinetoram [Delegate® WG] and spinosad [Entrust®, Entrust® SC, Success®]).

Treatment Schedule: If three Entrust SC applications are made, the first may be made up to 28 days before harvest, the second up to 10 days before harvest, and the final application at 3 days before harvest. Two applications of one or more effective insecticides not in Group 5 must be made between the first and second Entrust applications. If four Entrust SC applications are made, the first may be made up to 35 days before harvest, the second up to 28 days before harvest, the third up to 10 days before harvest, and the final application at 3 days before harvest. Two applications of one or more effective insecticides not in Group 5 must be made between the second and third Entrust SC applications.

Specific Use Restrictions:
- Preharvest Interval: Do not apply within 3 days of harvest.
- Allow at least 7 days between applications.
- Do not apply more than 6.4 fl oz of Entrust SC (0.10 lb ai) per acre per application.
- Do not apply more than a total of 12.8 fl oz of Entrust SC (0.20 lb ai) per acre within 10 days of harvest.
- Do not apply more than a total of 19.2 fl oz of Entrust SC (0.30 lb ai) per acre within 28 days of harvest.
- Do not apply more than a total of 25.6 fl oz of Entrust SC (0.40 lb ai) per acre per year.
- Apply by air blast sprayer. Do not use hand held or backpack sprayers.
Understanding Spray Timing
24C SNL

Harvest

3 DBH
6.4 oz
3 DBH

10 DBH
6.4 oz
10 DBH

21 DBH
?????
21 DBH

28 DBH
6.4 oz
28 DBH

35 DBH
6.4 oz
35 DBH

12.8 oz

19.2 oz

25.6 oz

SWD Control

No Control

GF-120®
Entrust®

Understanding Spray Timing
Regular Label

Harvest

7 DBH 8 oz
14 DBH 8 oz
21 DBH 8 oz
28 DBH 24 oz
35 DBH 24 oz

SWD Control
No Control

GF-120®
Key SWD Organic Management Concepts

- Trap Aggressively, May to Oct
- Stay engaged with consultants or researchers
- Don’t spray if you don't have to
  - Thresholds, Alternative Products
- Use GF120
- Don’t Cheat
- Make hard choices