Insect Control in Seed Crops

John Palumbo
Yuma Agricultural Center
BROCCOLI SEED INSECT CONTROL

**Aphids** – pirimicarb (Pirimor)

**Soil-insects** - prevent attack in the nursery by soil treatment with an insecticide - aldicarb (Temik).

**Ceuthorrhynchus spp. (Cabbage weevil)** - permethrin (Ambush).

*Do not spray during flowering time.*
Vegetative Growth

- Worms
- Whiteflys
- *Flea Beetles*
Reproductive Growth

- Aphids
- False Chinch Bugs
- *Lygus*
Flea Beetles
Silverleaf Whitefly
Cabbage Looper
Beet Armyworm
Diamondback Moth
## New Chemistries on Vegetables

<table>
<thead>
<tr>
<th>Product</th>
<th>REI</th>
<th>PHI</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Success 2SC</td>
<td>4 hrs</td>
<td>1 day</td>
<td>Air, Ground</td>
</tr>
<tr>
<td>Proclaim SG</td>
<td>48 hrs</td>
<td>7 days</td>
<td>Ground only</td>
</tr>
<tr>
<td>Avaunt WG</td>
<td>12 hrs</td>
<td>3 days</td>
<td>Air, Ground</td>
</tr>
<tr>
<td>Confirm 2F</td>
<td>4 hrs</td>
<td>7 days</td>
<td>Air, Ground</td>
</tr>
<tr>
<td>Intrepid 2F</td>
<td>4 hrs</td>
<td>1 day</td>
<td>Air, Ground</td>
</tr>
</tbody>
</table>
New Insecticide Chemistries

- Reduced-risk compounds
- Environmentally friendly
- Selective Activity
- Unique modes of action
- Highly efficacious
Cabbage Looper on Broccoli - Fall 2002
1st Side dress

Mean Large Larvae / 10 plants

Fall 2002
Lygus Bug
Cabbage Aphid
Green Peach Aphid