Polyoxin D Zinc Salt
IR-4 Biopesticides Workshop
September 21, 2016

Kaken Pharmaceutical Co., Ltd.
Agrochemicals & Animal Health Products Group
Polyoxin D Zinc Salt
Overview

- Good efficacy on *Botrytis, PM, Monilinia,* and more
- *Unique non-toxic* mode of action (#19)
- Human & env. risk reduction tool
- 0-Day PHI, 4-Hr REI, Min. PPE
- US brand names include:
  - Oso (5%SC; Certis)
  - PH~D (11.3%WDG; Arysta)
Polyoxin D Zinc Salt Residues

- All crop tolerance exemption: US
- All crop import MRL “exemption”:
  - Mexico
  - Canada (New!)
  - New Zealand (New!)
Polyoxin D Zinc Salt

Pending

- Canadian Registration
  * May 2017

- Organic Use of Oso (NOP Petition)
  * 2018 Use Season
Polyoxin D Zinc Salt (5%SC) 
Blueberry / Mummyberry 
(B00062, B00083, B00213, B00214) 
Michigan (2015)
Polyoxin D Zinc Salt (5%SC)  
Grapes / Botrytis Bunch Rot  
(B00052, B00061, B00063)  

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<thead>
<tr>
<th>Product</th>
<th>Percent Incidence</th>
<th>Percent Severity</th>
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<tr>
<td>Untreated Control</td>
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<tr>
<td>Oso 5SC (6.5 fl oz/A)</td>
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<td>Elevate 50 WG (1.0 lb/A)</td>
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<td>Switch 62.5WG (14.0 oz/A)</td>
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<td>Luna Experience (8.0 oz/A)</td>
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<td>Protexio 3.34SC (14.4 oz/A)</td>
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Polyoxin D Zinc Salt (5%SC) Organic Strawberries / Botrytis (B00129) (Maryland, 2016)

Infected Fruit Weight

- Water Control
- Organic Standard
- Oso (6.5 fl oz/A)
- Oso (13.0 fl oz/A)
Polyoxin D Zinc Salt (5%SC) Organic Strawberries / Botrytis
(B00129) (Maryland, 2016)

Marketable Fruit Weight

- Water Control
- Organic Standard
- Oso (6.5 fl oz/A)
- Oso (13.0 fl oz/A)
Polyoxin D Zinc Salt (5%SC) GH Tomato / Powdery Mildew (B00274, B00275)

Water Control
Oso 6.5 fl oz/A
Oso 13.0 fl oz/A
Pristine, Nova, Pristine

AUDPC % Diseased Leaves Per Plant
AUDPC % Infected Leaf Area
Polyoxin D Zinc Salt (5%SC) Candidate Solution for IR-4 Projects

- All Crop Copper Residue Mitigation
- Blueberry Residue Mitigation
- Hops Residue Mitigation / PM
- Organic Herbs / Botrytis
Questions?

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