Total Acreage by % Mosaic

![Bar chart showing total acreage by mosaic levels. The chart includes categories such as 'Russet', 'Proprietary', 'Yellow', 'White', 'Fingerling', 'Red', and 'Specialty'. The data is categorized into three mosaic levels: 0-3%, 3-8%, and >8%. The chart visually represents the distribution of acreage across different mosaic levels.]
Summary

• Plots were on time
• Disease expression was excellent
• Disease levels reflect amount in samples
• Slightly higher mosaic vs last year
• Results: emailed, on-line, hard copy
Acknowledgements

- CCPGA Growers and Grower Entry growers
  - Sponsor 100% of Certification Program
- PCS Staff
  - Teresa Almeida: Disease Laboratory Manager
  - Rob Davidson, PhD: Plant Pathologist
  - Greg Hess, Disease Laboratory Supervisor, PCR Manager
  - Andrew Houser, MS: Assistant Manager
  - Carolyn Keller: Tissue Culture Specialist
  - Steve Keller: Fieldman
  - Michelle Leckler: Program Coordinator
  - Sharon Yust: Accounting Technician
  - All summer staff: inspectors and lab crew
- CSU/SLVRC Staff
  - Esp. Ron Price and Stan Price
Questions

Thank You!

• Photo credits
  – Teresa Almeida
  – Dara & Doug Gunnels
  – Carolyn Keller
  – Kent Sather
Colorado Potato Proud!
Potato Proud; Thank You!

- Photo Credits
  - Jeff Axford, MI
  - Alex Crockford, WI
  - Rob Davidson, CO
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  - Willem Schrage, ND

Colorado State University
PHT Changes?

- Summer Virus Spread
  - PVY
  - PVY\textsuperscript{NTN}

- Summer Vectors
  - Green Peach Aphid
  - Other non specific aphids

- Varieties
  - Latent expression
  - Resistance
PHT Changes?

- Timing
  - Sales
  - Shipping
  - Markets
  - Seed Laws

- Testing
  - Mosaics

- Transformation
  - Constant critique of protocols
Sampling Protocol

- Average of 400 tubers
- Evenly and randomly selected at harvest
- Definitive lot identification
- Processing
2014 PHT Results – 582 Seed Lots – 7,541 acres
not including Canela Russet and Experimental lots

<table>
<thead>
<tr>
<th>MO</th>
<th># of Lots</th>
<th>% of Lots</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1%</td>
<td>303</td>
<td>52</td>
<td>3063</td>
</tr>
<tr>
<td>&gt;1-2%</td>
<td>86</td>
<td>15</td>
<td>1032</td>
</tr>
<tr>
<td>&gt;2-3%</td>
<td>50</td>
<td>9</td>
<td>917</td>
</tr>
<tr>
<td>&gt;3-8%</td>
<td>87</td>
<td>15</td>
<td>1511</td>
</tr>
<tr>
<td>&gt;8%</td>
<td>56</td>
<td>10</td>
<td>1047</td>
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</tbody>
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