PHT Update & Dickeya sp. Survey

2017 Crop
February 6, 2018

Andrew Houser
Manager
Colorado Potato Certification Service
Staff Updates

- Loss of Greg Hess as Lab Supervisor

- Two Full Time Positions have been filled:
  - Sarah Noller - Assistant Manager
  - Jeff Shawcroft – Field Man
2017 Post Harvest Test
(Planting: Nov. 1 – Nov. 8)
2017 Post Harvest Test
(Planting: Nov. 1 – Nov. 8)
2017 Post Harvest Test
(Planting: Nov. 1 – Nov. 8)
2017 Post Harvest Test
(Inspections & Lab Testing: Dec. 12 – Dec. 23)
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(Inspections & Lab Testing: Dec. 12 – Dec. 23)
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Leaf Roll Symptoms
2017 Post Harvest Test
(Inspections & Lab Testing: Dec. 12 – Dec. 23)
Mosaic Symptoms
2017 Post Harvest Test
(Inspections & Lab Testing: Dec. 12 – Dec. 23)
Mosaic Symptoms
2017 Post Harvest Test
(Inspections & Lab Testing: Dec. 12 – Dec. 23)
Russet Norkotah: Mosaic Symptoms
2017 PHT Results (FC and GE Lots - % Acres)

Mosaic Grouping

- 0%
- >0% - 3%
- 3.1% - 5.0%
- 5.1% - 8.0%
- >8.0%

FC % Acres | GE % Acres
2016/2017 PHT Results
(All Seed Lots - % Acres)

Percent

0.0-3.0%
3.1 - 5.0%
5.1% - 8.0%
>8.0%

Mosaic Grouping

2016 (3.30% MO AVG)
2017 (2.77% MO AVG)

- Acreage rejected for Mosaic (PHT readings)
- Acreage Rejected for Mosaic (Summer readings)

Year
07  08  09  10  11  12  13  14  15  16  17
Acreage

* 2010 - No PHT results due to crop failure.
* In 2014 the PHT tagging tolerance changed from 10% to 8%. PHT acreage represents all seed lots over tagging tolerance.
* G1 PHT data is not included. The PHT was in Yuma, AZ (2009-2012) and on Oahu, HI (2007, 2008, 2013-2017).

<table>
<thead>
<tr>
<th>Year</th>
<th>% of lots tested</th>
<th>% lots with PVYN/NTN</th>
<th>% acres with PVYN/NTN</th>
<th>% PVYN/NTN in overall PVY Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>48.4%</td>
<td>16.9%</td>
<td>23.1%</td>
<td>4.6%</td>
</tr>
<tr>
<td>2016</td>
<td>51.4%</td>
<td>17.7%</td>
<td>20.5%</td>
<td>3.5%</td>
</tr>
<tr>
<td>2017</td>
<td>68.0%</td>
<td>27.9%</td>
<td>43.9%</td>
<td>7.0%</td>
</tr>
</tbody>
</table>
2017 PVY Strain Survey – North Shore, HI
(Dr. Stewart Gray)

- 24 growers
- 43 varieties
- 89 seed lots

Pie chart showing:
- O: 72%
- NTN: 23%
- NO: 8%
- Wilga: 3%
SLV Certified Seed Acreage & Shipping History (1996-2016)