Digital maps and graphs for survey data (2015-16) of grape disease incidence with respect to crop growth stage for powdery mildew, downy mildew, anthracnose, alternaria on leaf and shoots for Ludhiana, Rajendranagar, Rahuri and Periyakulam locations under AICRP trials has been prepared using ArcGIS software are presented below. The maps indicate disease severity level at the surveyed locations.

Click on the below links to view the digital maps and graphs of grape disease incidence

1) **Rajendranagar**
2) **Rahuri**
3) **Periyakulam**
4) **Ludhiana**
Digital maps and graphs for survey data of grape disease incidence with respect to crop growth stage.

**Rajendranagar maps and graphs**
(PDI: Percent Disease Incidence, DAFP: Days after forward pruning)

1. Rajendra nagar surveyed area
2. Disease(PDI) Vs Days After Forward Pruning
3. Disease(PDI) Vs Altitude
4. Disease(PDI) Vs Latitude
5. Disease(PDI) Vs Longitude
6. Alternaria on leaves, 0 - 30 DAFP
7. Alternaria on leaves, 30 - 60 DAFP
8. Alternaria on leaves, 60 - 90 DAFP
9. Alternaria on leaves, 90 - 120 DAFP
10. Alternaria on leaves, 120 - 150 DAFP
11. Alternaria on rachis, 0 - 30 DAFP
12. Alternaria on rachis, 30 - 60 DAFP
13. Alternaria on rachis, 60 - 90 DAFP
14. Alternaria on rachis, 90 - 120 DAFP
15. Alternaria on rachis, 120 - 150 DAFP
16. Anthracnose, 0 - 30 DAFP
17. Anthracnose, 30 - 150 DAFP
18. Downy, 0 – 30 DAFP
19. Downy, 30 - 60 DAFP
20. Downy, 60 – 150 DAFP
21. Powdery 30 -60 DAFP
22. Powdery 60 -90 DAFP
23. Powdery 90 -120 DAFP
Rajendra Nagar: Alternaria on Leaves

0 - 30 DAFP

Label: Place name, DAFP days, Altitude (m), Latitude, Longitude Deg decimal

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Alternaria on Leaves

90 - 120 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Alternaria on Leaves (PDI)

<VALUE>

8 - 12.6
12.6 - 17.2
17.2 - 21.9
21.9 - 26.5
26.5 - 31.23
31.2 - 35.8
35.8 - 40.5
40.5 - 45.1
45.1 - 49.9

Author: ICAR-NRC For Grapes, Pune

Click to go to Top
Rajendra Nagar: Alternaria on Rachis

0 - 30 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Alternaria on Rachis (PDI)

<VALUE>

0 - 1
1 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 80

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Alternaria on Rachis
30 - 60 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Alternaria on Rachis
60 -90 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Alternaria on Rachis (PDI)

<VALUE>
0 - 2.48
2.48 - 5.0
5.0 - 7.5
7.5 - 10

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Alternaria on Rachis
90 - 120DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Alternaria on Rachis (PDI)

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Alternaria on Rachis
120 - 150 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Anthracnose

0 - 30 DAF

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Anthracnose (PDI)

<VALUE>

- 0 - 0.4
- 0.4 - 0.8
- 0.8 - 1.3
- 1.3 - 1.7
- 1.7 - 2.1
- 2.1 - 2.5
- 2.5 - 3
- 3 - 3.3
- 3.3 - 3.7

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Downy
30 - 60 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Downy (PDI)

<VALUE>
- 0 - 0.7
- 0.7 - 1.4
- 1.4 - 2.1
- 2.1 - 2.8
- 2.8 - 3.5
- 3.5 - 4.2
- 4.2 - 4.9
- 4.9 - 5.5
- 5.5 - 6.3

Author: ICAR-NRC For Grapes, Pune

Click to go to Top
Rajendra Nagar: Downy

60 - 150 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune

<VALUE>

- 0 - 1
- 1 - 2
- 2 - 3
- 3 - 50

Click to go to Top
Rajendra Nagar: Powdery

60 - 90 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune
Rajendra Nagar: Powdery

90 - 120 DAFP

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune
Digital maps and graphs for survey data of grape disease incidence with respect to crop growth stage.

**Rahuri maps and graphs**
(PDI: Percent Disease Incidence, DAFP: Days after forward pruning)

**Rahuri surveyed area**

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Foundation Pruning</th>
<th>Forward Pruning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Disease(PDI) Vs Days After Foundation Pruning</td>
<td>Disease(PDI) Vs Days After Forward Pruning</td>
</tr>
<tr>
<td>2.</td>
<td>Disease(PDI) Vs Altitude</td>
<td>Disease(PDI) Vs Altitude</td>
</tr>
<tr>
<td>3.</td>
<td>Disease(PDI) Vs Latitude</td>
<td>Disease(PDI) Vs Latitude</td>
</tr>
<tr>
<td>4.</td>
<td>Disease(PDI) Vs Longitude</td>
<td>Disease(PDI) Vs Longitude</td>
</tr>
<tr>
<td>5.</td>
<td>Downy, 0 – 30 DAFouP</td>
<td>Downy, 0 – 30 DAFoP</td>
</tr>
<tr>
<td>6.</td>
<td>Downy, 30 - 60 DAFouP</td>
<td>Downy, 30 - 60 DAFoP</td>
</tr>
<tr>
<td>7.</td>
<td>Downy, 60 - 90 DAFouP</td>
<td>Downy, 60 - 90 DAFoP</td>
</tr>
<tr>
<td>8.</td>
<td>Downy, 90 - 120 DAFouP</td>
<td>Downy, 90 - 120 DAFoP</td>
</tr>
<tr>
<td>9.</td>
<td>Powdery 30 -60 DAFouP</td>
<td>Powdery, 30 -60 DAFoP</td>
</tr>
<tr>
<td>10.</td>
<td>Powdery 60 -90 DAFouP</td>
<td>Powdery, 60 -90 DAFoP</td>
</tr>
<tr>
<td>11.</td>
<td>Powdery 90 -120 DAFouP</td>
<td>Powdery, 90 -120 DAFoP</td>
</tr>
</tbody>
</table>
Rahuri: Disease (PDI) Vs. Days After Foundation Pruning

Disease (PDI)
- Downy
- Powdery

Days After Foundation Pruning

Prepared by: ICAR-NRC for Grapes, Pune

Click to go to Rahuri maps and Graphs,  Click to go to Top
Rahuri: Disease (PDI) After Foundation Pruning Vs. Longitude

Disease (PDI)
- Downy
- Powdery

Prepared by: ICAR-NRC for Grapes, Pune

Click to go to Rahuri maps and Graphs,  Click to go to Top
Rahuri: Downy
60 - 90 Days After Foundation Pruning

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Downy (PDI)

<VALUE>
- 2.1 - 4.14
- 4.14 - 6.14
- 6.14 - 8.16
- 8.16 - 10.2

Author: ICAR-NRC For Grapes, Pune
Rahuri: Powdery
30 - 60 Days After Foundation Pruning

Label: Place name, DAIP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Powdery (PDI)
VALUE
0 - 1.56
1.56 - 3.11
3.11 - 4.68

Author: ICAR-NRC For Grapes, Pune

Click to go to Rahuri maps and Graphs,  Click to go to Top
Rahuri: Disease (PDI) After Forward Pruning Vs. Altitude

Disease (PDI)
- Downy
- Powdery

Altitude (m)

Prepared by: ICAR-NRC for Grapes, Pune

Click to go to Rahuri maps and Graphs,  Click to go to Top
Rahuri: Disease (PDI) After Forward Pruning Vs. Longitude

Disease (PDI)
- Downy
- Powdery

Prepared by: ICAR-NRC for Grapes, Pune

Click to go to Rahuri maps and Graphs,  Click to go to Top
Digital maps and graphs for survey data of grape disease incidence with respect to crop growth stage.

**Periyakulam maps and graphs**
(PDI: Percent Disease Incidence, DAFP: Days after forward pruning)

1. Periyakulam surveyed area
2. Disease(PDI) Vs Days After Forward Pruning
3. Disease(PDI) Vs Latitude
4. Disease(PDI) Vs Longitude
5. Disease(PDI) Vs Altitude
6. Downy, 0 – 30 DAFP
7. Downy, 30 - 60 DAFP
8. Downy, 60 - 90 DAFP
9. Downy, 90 - 120 DAFP
10. Powdery, 0 – 30 DAFP
11. Powdery 30 -60 DAFP
12. Powdery 60 -90 DAFP
13. Powdery 90 -120 DAFP
Periyakulam: Disease (PDI) Vs. Days After Forward Pruning

Disease (PDI)
- Downy
- Powdery

Prepared by: ICAR-NRC For Grapes, Pune

Click to go to Periyakulam maps and graphs. Click to go to Top
Click to go to Periyakulam maps and graphs. Click to go to Top
Periyakulam: Disease (PDI) Vs. Longitude

Disease (PDI)
- Daron
- Pelevi

Longitude (Degree decimals)

Prepared by: ICAR-NRC for Grapes, Pune

Click to go to Periyakulam maps and graphs, Click to go to Top
Periyakulam: Disease (PDI) Vs. Altitude

Click to go to Periyakulam maps and graphs, Click to go to Top
Periyakulam: Downy
60 - 90 Days After Forward Pruning

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune

Click to go to Periyakulam maps and graphs, Click to go to Top
Digital maps and graphs for survey data of grape disease incidence with respect to crop growth stage.

**Ludhiana maps and graphs**

1. **Ludhiana surveyed area**
2. **Disease(PDI) Vs Days After Forward Pruning**
3. **Disease(PDI) Vs Longitude**
4. **Disease(PDI) Vs Latitude**
5. **Disease(PDI) Vs Altitude**
6. **Downy, 0 – 30 DAFP**
7. **Downy, 30 - 60 DAFP**
8. **Downy, 60 – 90 DAFP**
9. **Downy, 90 – 182 DAFP**
10. **Powdery, 0 – 30 DAFP**
11. **Powdery, 30 - 60 DAFP**
12. **Powdery, 60 – 90 DAFP**
13. **Powdery, 90 – 150 DAFP**
14. **Powdery, 150 – 182 DAFP**
15. **Anthrcnose, 0 – 30 DAFP**
16. **Anthrcnose, 30 - 60 DAFP**
17. **Anthrcnose, 60 – 90 DAFP**
18. **Anthrcnose, 90 – 150 DAFP**
19. **Anthrcnose,150 – 182 DAFP**

Click to go to Top
Ludhiana: Disease (PDI) Vs. Days After Forward Pruning

Disease (PDI)
- Anthracnose
- Downy
- Powdery

Click to go to Ludhiana maps and graphs, Click to go to Top
Ludhiana: Disease (PDI) Vs. Longitude

Disease (PDI)
- Anthracnose
- Downy
- Powdery

Prepared by: ICAR-NRC For Grapes, Pune

Click to go to Ludhiana maps and graphs, Click to go to Top
Ludhiana: Disease (PDI) Vs. Altitude

Disease (PDI)
- Anthracnose
- Downy
- Powdery

Attitude (m)

Disease (PDI)

Prepared by: ICAR-NRC For Grapes, Pune

Click to go to Ludhiana maps and graphs, Click to go to Top
Ludhiana: Downy

60 - 90 Days After Forward Pruning

Label: Place name, DAFP (days), Altitude (m), Latitude, Longitude (Deg decimal)

Author: ICAR-NRC For Grapes, Pune

Click to go to Ludhiana maps and graphs, Click to go to Top
Click to go to Ludhiana maps and graphs, Click to go to Top
Click to go to Ludhiana maps and graphs, Click to go to Top