विषय-सूची Contents

2. साप्ताहिक अंगूर सलाह Weekly grape advisory: 08.12.2015 - 15.12.2015
   2.1 कीट प्रबंधन Insect pest management
   2.2 पादप वृद्धि नियामक प्रबंधन Plant growth regulator management
### Likely weather: 08.12.2015 - 22.12.2015

#### Prachal Parameter
- **Santal**: नासिक, पिल्लाव-बसवंत, ओझर, पालखेड़, दिदोकर, वनी, शिंकी, लोनी, निकांड, देवला, कलवान; बूढ़ा-बांदी गुह (10/12) - मंगल (15/12)
- **Sangli**: सांगली, मिरजज, शिरगुप्ती, कागवड, अरग, पलसी, शेत्तल, कवटे-महंकाट, पलुस, तासगाव, बलवा, खानापुर, बीट: बूढा-बांदी गुह (10/12) - मंगल (15/12)
- **Solapur**: सोलापुर, नालज, आटपाड़ी, पंढरपुर, काटी, कासगाव, लातूर, तुलजापुर, उस्मानाबाद, वैराग, पांगरी, बासी, औसा: बूढा-बांदी गुह (10/12) - मंगल (15/12)
- **Pune**: बिजापुर, तिकोटा, तेलसंग, चडचण, मेडचल, वेशनी: बूढा-बांदी गुह (10/12) - मंगल (15/12)
- **Bijapur**: बिजापुर, तिकोटा, तेलसंग, चडचण, मेडचल, वेशनी: बूढा-बांदी गुह (10/12) - मंगल (15/12)
- **Rangareddy**: रंगारेद्दी (हैदराबाद)
- **Mandsaur**: मंडसौर
- **Anantapur**: अनंतपुर: बूढा-बांदी गुह (10/12) - मंगल (15/12)

#### Cloud cover
- **Clear to Partly cloudy.**

#### Rainfall
- **No rain.**
- **Sangli, Miraj, Shirguppi, Kagvad, Arag, Palsi, Shetfl, Kavthe-Mahankal, Palus, Valva, Tasgoan, Vite, Khanapur: Drizzling Thu (10/12) - Tue (15/12).**
- **Solapur, Nanaj, Pandharapur, Kati, Atpadi, Kasegaon, Osmanabad, Tuljapur, Latur, Ausa, Vairag, Pangri, Barsi: Drizzling Thu (10/12) - Tue (15/12).**
- **Bijapur, Tikota, Telsang, Chadchan: Drizzling Thu (10/12) - Tue (15/12).**
- **Hyderabad, Medchal, Zahirabad: Drizzling Thu (10/12) - Tue (15/12).**
- **Anantapur: Drizzling Thu (10/12) - Tue (15/12).**

#### तापमान
- **Temp (°C)**
- **न्यून. Min. अधिक. Max.**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Santal</th>
<th>Nasik area</th>
<th>Sangli area</th>
<th>Solapur area</th>
<th>Pune area</th>
<th>Bijapur</th>
<th>Rangareddy</th>
<th>Mandsaur</th>
<th>Anantapur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature (°C)</td>
<td>16-19</td>
<td>14-17</td>
<td>19-22</td>
<td>19-23</td>
<td>17-20</td>
<td>19-22</td>
<td>17-21</td>
<td>10-17</td>
<td>12-19</td>
</tr>
<tr>
<td></td>
<td>28-31</td>
<td>29-31</td>
<td>31-33</td>
<td>33-35</td>
<td>30-32</td>
<td>31-32</td>
<td>29-31</td>
<td>25-31</td>
<td>24-27</td>
</tr>
<tr>
<td>राष्ट्रीय तात्पर्य</td>
<td>सताना Satana</td>
<td>नासिक क्षेत्र Nasik area</td>
<td>सांगली क्षेत्र Sangli area</td>
<td>सोलापूर क्षेत्र Solapur area</td>
<td>पुणे क्षेत्र Pune area</td>
<td>बीजापुर Bijapur</td>
<td>रंगारेड्डी (हेदराबाद) Rangareddy (Hyderabad)</td>
<td>मंडसौर Mandsaur</td>
<td>अनंतपुर Anantapur</td>
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<tr>
<td>पवन(किमी/घंटा)Wind (km/hr)</td>
<td>2-13</td>
<td>3-10</td>
<td>0-16</td>
<td>0-13</td>
<td>0-11</td>
<td>2-19</td>
<td>3-17</td>
<td>6-18</td>
<td>3-13</td>
</tr>
</tbody>
</table>

Note: Above weather information is summary of weather forecasting given in following websites
2. साप्ताहिक अंगूर सलाह Weekly grape advisory: 08.12.2015-15.12.2015

2.1 िीट प्रबंधन Insect pest management

<table>
<thead>
<tr>
<th>वृद्धि अवस्था (फ्रूट प्रूण के पश्चयात दिन)</th>
<th>थ्रिप्स</th>
<th>माइट्स</th>
<th>केट्र्पीलर</th>
<th>मिलीबग</th>
<th>जेसीड्स</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growth Stage (Days after forward pruning)</td>
<td>Thrips</td>
<td>Mites</td>
<td>Caterpillar</td>
<td>Mealybug</td>
<td>Jassids</td>
</tr>
<tr>
<td>50-70</td>
<td>अधिक High</td>
<td>मध्यम Moderate</td>
<td>मध्यम to High</td>
<td>मध्यम से अधिक Moderate to High</td>
<td></td>
</tr>
</tbody>
</table>

Vineyards may have higher thrips and mealybug infestation. Monitoring for thrips should be done by tapping the shoots and bunches on white paper and counting number. The monitoring of thrips should be done during afternoon hours.

Application of emamectin benzoate 5 SG @ 0.22 g/L water is effective for managing thrips and caterpillars. Mealybug can be monitored by observing sticky and wet stems in the vineyard. If the mealybug infestation is observed, remove the loose bark and wash the whole vine with buprofezin 25 SG @ 1.25 mL per liter water.

High jassid population may be noticed in the vineyards which are upto initial berry development. Monitoring for jassids should be done during 6-7 pm in the evening by gently holding the shoot and counting the numbers.

Underside of older leaves should be examined for presence of webbings made by red spider mites. If the population build up is noticed then, spray of sulphur 80 WDG @ 2.0 g/L water is effective. After spraying, these webbings should be examined with the help of hand lens for the presence of live mites to ascertain efficacy of the pesticide application.

Pre harvest interval (PHI) mentioned in the Annexure V of the Residue Monitoring Plan (RMP) must be adhered to.

2.2 पादप वृद्धि नियामक प्रबंधन Plant growth regulator management

Grape inflorescence has large number of flowers. If all the flowers result into development of berry, large number of berries will be set and bunch may become compact. In such case, berry size remains smaller (shorter). To avoid such conditions, thinning becomes important task/operation in production of table grapes. The importance of thinning is discussed below –

- Thinning reduces compactness of bunch.
- Thinning reduces distribution of nutrients and food material into berries.
- Thinning helps to get proper / per leaf size of berried which has greater market value.
- Thinning reduces growth of diseases and insects due to reduction in compactness of bunch.

There are two way to do thinning –

1. Manually with the help of labour: Rachis are cut with the help of scissor, but this is very laborious work.
2. Use of GA₃.

Use of GA for thinning in grapes –

Application of GA at the stage of 50% flowering with concentration 40 ppm found useful for thinning of bunch.
Crop advisory relevant to different places is prepared by experts, considering forecasted weather, crop growth stages in majority of vineyards and ground information on incidence of different conditions in different grape growing areas received from regular interaction with progressive grape growers. No claims are made on its correctness. Usefulness of this information may be communicated to us at dirnrcg@gmail.com.