Bonita Small Grain Advisory
April 18, 2004

Crop Development

Planting
- Planted Feb 1
- Planted Mar 1

Varieties
- Early-maturing Barley
- Late-maturing Barley
- Early-maturing Durum
- Late-maturing Durum

Stages
- 1-leaf
- 3-leaf
- 5-leaf
- 1-node
- Flag leaf visible
- Boot
- Flower
- Milk
- Soft dough
- Hard dough
- Mature
- Harvest

Water use (inches)

<table>
<thead>
<tr>
<th>Location</th>
<th>Planting date</th>
<th>Crop</th>
<th>Variety</th>
<th>Calculated Apr 4 – Apr 17</th>
<th>Projected Apr 18 – May 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonita</td>
<td>Feb 1</td>
<td>Barley</td>
<td>Early</td>
<td>1.70</td>
<td>3.14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Late</td>
<td>1.44</td>
<td>2.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Durum Early</td>
<td>1.49</td>
<td>2.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Late</td>
<td>1.46</td>
<td>2.60</td>
</tr>
<tr>
<td></td>
<td>Mar 1</td>
<td>Barley</td>
<td>Early</td>
<td>1.31</td>
<td>2.47</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Late</td>
<td>1.14</td>
<td>2.06</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Durum Early</td>
<td>1.19</td>
<td>2.13</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Late</td>
<td>1.17</td>
<td>2.09</td>
</tr>
</tbody>
</table>

Effective rooting depth on Apr 17 and May 1 is estimated at 32 and 40 inches for a Feb 1 planting and 27 and 35 inches for a Mar 1 planting. Precipitation between Apr 4 and Apr 17 totaled 0.33 inches.

(Note: This advisory was developed by Mike Ottman, Agronomist, University of Arizona with AZMET weather data and funded by Arizona Cooperative Extension and the Arizona Grain Research and Promotion Council.)