**New**

**MagicDrive**

**PAT. PENDING**

**IrriStand systems**

Non-Impact 1/2” sprinkler mounted on Irristand 52 or riser

- Maintenance free
- Extended longevity. No wear and tear
- Special long term warranty

**Applications:**
- Irrigation and germination of vegetables and field crops
- Corn and Sugar cane irrigation on high risers 2-3m due to its stable operation without vibration
- Overhead cooling in orchards and plantations

**Structure and features:**
- Maintenance free for long lifespan
- Can function with contaminated water
- Hermetically-sealed silicone chamber protects silicone from leakage
- Silicone with magnets ensure constant rotation speed and prevents wear and tear
- Excellent water distribution uniformity in spacing of up to 14 m
- Color coded nozzle and swivel
- High-impact and heavy duty plastic materials for resistance to corrosion and UV radiation

**Precipitation rates (mm/hr) and uniformity (CU) at various spacing**

<table>
<thead>
<tr>
<th>Group</th>
<th>Swivel</th>
<th>Nozzle color (mm)</th>
<th>P (bar)</th>
<th>Q (m³/h)</th>
<th>D (m)</th>
<th>Spacing (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>Black</td>
<td>Yellow</td>
<td>2.6</td>
<td>1.5</td>
<td>3.2</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0</td>
<td>3.1</td>
<td>3.6</td>
<td>2.5</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.5</td>
<td>3.9</td>
<td>4.5</td>
<td>3.6</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.0</td>
<td>4.6</td>
<td>5.8</td>
<td>4.8</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5</td>
<td>5.4</td>
<td>6.8</td>
<td>6.0</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>2.8</td>
<td>1.5</td>
<td>3.6</td>
<td>3.0</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0</td>
<td>3.5</td>
<td>4.2</td>
<td>3.5</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.5</td>
<td>4.3</td>
<td>5.1</td>
<td>4.1</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.0</td>
<td>5.0</td>
<td>6.0</td>
<td>5.1</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5</td>
<td>5.9</td>
<td>6.8</td>
<td>6.1</td>
<td>2.5</td>
</tr>
<tr>
<td>HF</td>
<td>Blue</td>
<td>3.0</td>
<td>Light Brown</td>
<td>1.5</td>
<td>4.1</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0</td>
<td>4.6</td>
<td>5.4</td>
<td>3.9</td>
<td>3.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.5</td>
<td>5.1</td>
<td>6.5</td>
<td>4.3</td>
<td>3.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.0</td>
<td>5.5</td>
<td>6.8</td>
<td>5.2</td>
<td>3.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5</td>
<td>6.0</td>
<td>7.3</td>
<td>6.2</td>
<td>3.2</td>
</tr>
<tr>
<td>HF</td>
<td>Red</td>
<td>3.2</td>
<td>1.5</td>
<td>4.6</td>
<td>3.2</td>
<td>2.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0</td>
<td>5.4</td>
<td>6.6</td>
<td>4.5</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.5</td>
<td>6.4</td>
<td>7.6</td>
<td>5.3</td>
<td>3.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.0</td>
<td>7.3</td>
<td>8.6</td>
<td>6.2</td>
<td>4.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5</td>
<td>8.2</td>
<td>9.5</td>
<td>7.1</td>
<td>4.9</td>
</tr>
</tbody>
</table>

**Color code - Distribution uniformity**

<table>
<thead>
<tr>
<th>CU</th>
<th>92%</th>
<th>88-92%</th>
<th>85-88%</th>
<th>&lt; 85%</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* For windy conditions use closer spacing

© NAANDANJAIN Ltd. 04/2014

© NAANDANJAIN Ltd. 08/2014

* Performance table prepared under laboratory conditions
Undertree sprinklers

Non-Impact 1/2” low volume sprinkler. Two available models 9˚ & 14˚.

• Maintenance free
• Extended longevity. No wear and tear
• Special long term warranty

Applications: orchards and plantations, especially bananas and table grape for full coverage irrigation

Structure and features:
• Maintenance free for long lifespan
• Can function with contaminated water
• Hermetically-sealed silicone chamber protects silicone from leakage
• Silicone with magnets ensure constant rotation speed and prevents wear and tear
• Can function with contaminated water
• Special synchronized diffuser mechanism SECTORS ensures high resistance to wind.
• Color coded nozzle and swivel.
• High-impact and heavy duty plastic materials for resistance to corrosion and UV radiation

<table>
<thead>
<tr>
<th>MAGIC LA -9° PERFORMANCE TABLE</th>
<th>Group</th>
<th>Swivel</th>
<th>Nozzle color (mm)</th>
<th>P (bar)</th>
<th>Q (m³/h)</th>
<th>D (m)</th>
<th>MSH (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF Purple 9°</td>
<td>2.6</td>
<td>Yellow</td>
<td>1.5</td>
<td>0.310</td>
<td>18</td>
<td></td>
<td>70-100</td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td></td>
<td>0.365</td>
<td>19</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td></td>
<td>0.410</td>
<td>19</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td></td>
<td>0.450</td>
<td>19</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td></td>
<td>0.490</td>
<td>19</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.8</td>
<td>Green</td>
<td>1.5</td>
<td>0.360</td>
<td>18</td>
<td></td>
<td>70-100</td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td></td>
<td>0.415</td>
<td>19</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td></td>
<td>0.465</td>
<td>20</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td></td>
<td>0.510</td>
<td>20</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td></td>
<td>0.550</td>
<td>20</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HF Purple 9°</td>
<td>3.0</td>
<td>Light Brown</td>
<td>1.5</td>
<td>0.415</td>
<td>21</td>
<td></td>
<td>80-100</td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td></td>
<td>0.465</td>
<td>21</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td></td>
<td>0.515</td>
<td>21</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td></td>
<td>0.565</td>
<td>21</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td></td>
<td>0.615</td>
<td>21</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.2 Red</td>
<td>3.0</td>
<td></td>
<td>0.680</td>
<td>23</td>
<td>23</td>
<td></td>
<td>80-110</td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td></td>
<td>0.730</td>
<td>23</td>
<td>23</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MAGIC LA -14° PERFORMANCE TABLE - Precipitation rates (mm/hr) and uniformity (CU) at various spacing

<table>
<thead>
<tr>
<th>Group</th>
<th>Swivel</th>
<th>Nozzle color (mm)</th>
<th>P (bar)</th>
<th>Q (m³/h)</th>
<th>D (m)</th>
<th>MSH (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF Gold 14°</td>
<td>2.6 Yellow</td>
<td>1.5</td>
<td>0.310</td>
<td>18</td>
<td>120-140</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td>0.365</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td>0.410</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td>0.450</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td>0.490</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.8 Green</td>
<td>1.5</td>
<td>0.360</td>
<td>18</td>
<td>120-140</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td>0.415</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td>0.465</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td>0.510</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td>0.550</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HF Light Brown 14°</td>
<td>3.0 Light Brown</td>
<td>1.5</td>
<td>0.415</td>
<td>21</td>
<td>120-150</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td>0.465</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td>0.515</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td>0.565</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td>0.615</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.2 Red</td>
<td>1.5</td>
<td>0.465</td>
<td>21</td>
<td>130-150</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td>0.515</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5</td>
<td>0.565</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.0</td>
<td>0.615</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5</td>
<td>0.660</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.9</td>
<td>0.730</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MSH: Maximum Stream Height

* Performance table prepared under laboratory conditions
* For windy conditions use closer spacing