Re-Thinking the Urban Watershed with Site Level Infiltration Practices

Kim Counts Morganello
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The "Events"
Residential-scale treatment train approach
A rain garden is a depressed garden designed and located to receive water runoff from a roof, driveway or lawn. Rain gardens work with nature to collect, filter and infiltrate runoff.

-A Guide to Rain Gardens in South Carolina
Rain Garden 10,000 Foot View

Step 1: Assessment & Siting

Step 2: Size, Design & Shape

Step 3: Amend, Plant & Mulch
Harvest The Rain
Identify Capacity & Need

Estimate capacity by multiplying the square footage of the roof area by 0.623 to get the number of gallons per one inch rain event.

Use The Water!
Resources

Carolina Rain Garden Initiative
clemson.edu/raingarden
Resources

Carolina Clear & The Ashley Cooper Stormwater Education Consortium

clemson.edu/carolinaclear or ashleycooper.org
Search the Plant Database

<table>
<thead>
<tr>
<th>REGION</th>
<th>Select</th>
<th>Which part of South Carolina are you in?</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC NATIVE</td>
<td>Select</td>
<td>Are you looking for a plant native to South Carolina?</td>
</tr>
<tr>
<td>PLANT TYPE</td>
<td>Select</td>
<td>What kind of plant are you looking for?</td>
</tr>
<tr>
<td>SUN LIGHT</td>
<td>Select</td>
<td>How much sunlight shines on your yard?</td>
</tr>
<tr>
<td>SOIL TYPE</td>
<td>Select</td>
<td>What kind of soil do you have in your yard?</td>
</tr>
<tr>
<td>SOIL pH</td>
<td>Select</td>
<td>What is the pH of your soil?</td>
</tr>
<tr>
<td>SOIL MOISTURE</td>
<td>Select</td>
<td>How wet is the soil in your yard?</td>
</tr>
<tr>
<td>SALT TOLERANCE</td>
<td>Select</td>
<td>Do you require a salt-tolerant plant?</td>
</tr>
<tr>
<td>WILDLIFE</td>
<td>Select</td>
<td>What animals would you like to attract or deter?</td>
</tr>
<tr>
<td>STORMWATER</td>
<td>Select</td>
<td>Will this plant be used in a stormwater management practice?</td>
</tr>
</tbody>
</table>

Home & Garden Information Network
clemson.edu/hgic

Search “rainwater harvesting” and “rain gardens”
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