**Designing Your Rainwater Harvesting System**

**Components:**

1. Catchment system
   1. Roof material: Efficiency factor:
   2. Slope: steep / flat
   3. Catchment surface area(s) ft2:
2. Conveyance system
   1. Gutters
   2. Leaf Screens
   3. Downspouts: Sizing

|  |  |  |  |
| --- | --- | --- | --- |
| **Catchment** | **Catchment (ft2)** | **Downspout (in2) 100:1 Ratio** | **Downspout Dimensions (in x in)** |
| Roof Area |  | - | - |
| # of Downspouts |  | - | - |
| Area per Downspout |  |  |  |

* 1. Diverter System:
     + Overflow
     + First flush (optional)
  2. Filter:

1. Storage:
   1. Material
   2. Volume needed (refer to worksheets)
2. Distribution system:
   1. Gravity fed or pump?
3. Treatment system (optional)

