

\$\$\$ Rain Garden Costs \$\$\$

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Rain Garden Costs Case Studies

- **Dorsett Arabian Farm**
- **Hedgebrook Farm**
- **Gloucester County Fairgrounds**
- **Union County Vocational Technical School**

Rain Garden Costs

- **Rutgers Soil Test**
 - \$15 for a standard fertility test
 - \$75 for a texture analysis test
- **WHITE mark-out paint** **\$5.14**
- **Good Quality Tall Fescue Grass Seed**
50 lb. bag **\$73.00**
- **Organic Blood Meal Fertilizer** **\$5.47**

Dorsett Arabian Farm



- **Rain Garden captures run-off from horse paddocks.**
- **Size- 300 square feet, 6 inches deep**

Dorsett Arabian Farm

Number	Item	Unit Price	Total
1	Bobcat Rental	\$200.00	\$200.00
	Fuel	\$50.00	\$50.00
	Delivery	\$80.00	\$80.00
	Rental Insurance Protection	\$20.00	\$20.00

Dorsett Arabian Farm

Native Plants

Number	Item	Unit Price	Total
15	1 gallon container shrubs	\$4.75	
12	Quart Perennials	\$1.85	
25	2" plugs	\$0.63-\$0.67	
52	Native Plants		\$110.45

Dorsett Arabian Farm

Number	Item	Unit Price	Total
1	Soil Test	\$15.00	\$15.00
2	Yards Mulch	\$28.00	\$56.00
2.5	Tons #3 1 1/2 " stone	\$25.60	\$64.00
1	Delivery	\$25.00	\$25.00
1	Fuel 5% Surcharge	\$1.25	\$1.25

Dorsett Arabian Farm

Number	Item	Unit Price	Total
4	Packs Landscape Pins	\$1.00	\$7.96
1.5	Tons ³/₄" crushed stone	\$28.10	\$42.15
2	Rolls Weed Block Fabric	\$12.14	\$24.28

Dorsett Arabian Farm

■ Total Rain Garden Plant & Supply Cost
\$696.00



Dorsett Arabian Farm Labor



- **2 Master Gardeners - 3 hours**
- **2 Soil Conservation District Employees - 3 hours**
- **4 Rutgers Employees – 5 hours**

Hedgebrook Farm

- This rain garden captures run-off from the roof-top of a house on the property.
- 105 square foot rain garden, 6 inches deep



Hedgebrook Farm

- **The farmer let us use the farm tractor and backhoe for the excavation.**
- **We picked up the native plants at the nursery.**
- **The house did not have gutters.**

Hedgebrook Farm

Number	Item	Unit Price	Total
1	6" 1/2 round galvanized gutter, labor & materials	\$580.00	\$580.00
1.5	Yards mulch	\$25.00	\$37.50
2	Tons concrete sand	\$37.00	\$39.00
1	Delivery fee	\$39.50	\$39.50

Hedgebrook Farm

Number	Item	Unit Price	Total
1	75' soaker hose	\$12.98	\$12.98
1	Roll (3'X75') landscape fabric	\$9.92	\$9.92
1	pack (25) landscape fabric pins	\$3.97	\$3.97
1	3lb. bag organic fertilizer	\$5.47	\$5.47
7	bags of pond stone	\$4.18	\$29.26

Hedgebrook Farm Native Plants

Number	Item	Unit Price	Total
7	2 gallon container shrubs	\$4.95	
15	Quart Perennials	\$2.05	
9	Gallon Perennials	\$4.25	
31	Native Plants		\$103.65

Hedgebrook Farm

- **Total Rain Garden Plant & Supply Cost \$861.25**



Hedgebrook Farm Labor

Day 1 Excavation

- 4 people for 6 hours
- 1 graduate student for 2 hours



Hedgebrook Farm



Hedgebrook Farm



Hedgebrook Farm Labor



Day 2: Planting

- 9 volunteers for 2 hours
- 2 Extension people for 3 hours



Gloucester County Fairgrounds

- This rain garden captures run-off from the refreshment stand building.
- The garden size is 360 square feet.



Gloucester County Fairgrounds

Number	Item	Unit Price	Total
2	Yards hardwood mulch	\$25.50	\$51.00
1	Delivery fee for mulch	\$65.00	\$65.00
4.65	Tons concrete sand	\$15.50	\$72.08
1.55	Tons screened topsoil	\$18.00	\$18.00
1	Delivery fee	\$65.00	\$65.00

Gloucester County Fairgrounds

Number	Item	Unit Price	Total
1	50' soaker hose	\$13.95	\$13.95
1	50' hose	\$14.95	\$14.95
1	Native Plant shipping fee	\$175.00	\$175.00

Gloucester County Fairgrounds

Number	Item	Unit Price	Total
15	1 gallon container shrubs	\$4.75	
10	Gallon Perennials	\$4.25	
5	Quart Perennials	\$1.85 - \$2.05	
50	2" plugs	\$0.63-\$0.67	
80	Native Plants		\$160.75

Gloucester County Fairgrounds Labor

Day 1 Excavation

- **Fairgrounds
Manager for 4
hours**

- **3 Extension
employees for 6
hours**

Gloucester County Fairgrounds Labor

Day 2: Planting Demonstration

- 30 Landscape Professionals – 3 hours



Gloucester County Fairgrounds

- Total Rain Garden Plant & Supply Cost
\$635.73



Union County Vocational Technical School

- This rain garden captures run-off from a parking lot.
- The garden size is 360 square feet.



Union County Vocational Technical School

Number	Item	Unit Price	Total
1	Soil Test for mechanical analysis	\$45.00	\$45.00
5	Bags 2" river stone	\$3.50	\$17.50
6	Yards Topsoil	\$31.00	\$186.00
3	Yards Hardwood mulch	\$30.00	\$90.00

Union County Vocational Technical School

Number	Item	Unit Price	Total
8	Bags 1.3 -3" riverstone	\$3.50	\$28.00
1	Can of Mark- out Paint (white)	\$5.14	\$5.14
2	10' sections 4" PVC pipe	\$12.03	\$24.06
1	PVC pipe elbow	\$2.27	\$2.27

Union County Vocational Technical School

Number	Item	Unit Price	Total
1	Cement Handipack	\$5.96	\$5.96
2	Grate Screens	\$4.96	\$9.92
9	Tons bank run sand	\$33.00	\$299.97
1	50' soaker hose	\$14.95	\$14.95
1	100' light duty hose	\$25.95	\$25.95

Union County Vocational Technical School

Number	Item	Unit Price	Total
15	1 gallon container shrubs	\$4.75	
10	Gallon Perennials	\$4.25	
5	Quart Perennials	\$1.85 - \$2.05	
50	2" plugs	\$0.63-\$0.67	
80	Native Plants		\$160.75

Union County Vocational Technical School



- **Total Rain Garden Plant and Supply Costs
\$915.47**

Union County Vocational Technical School

Labor for Day 1: Excavation

- **1 County Backhoe operator 6 hours**
- **2 Extension Employees 6 hours**

Union County Vocational Technical School



Day 2: Planting and Demonstration

- 30 Landscape Professionals for 4 hours
- 2 Extension Employees for 5 hours

Union County Vocational Technical School

**Day 3: Install
overflow drainage
pipes**

■ **Two extension
employees 6 hours**

■ **Five FFA students 2
hours**



Rain Garden Costs

- **Standard supplies that will be used for each installation**
- **Delivery fees**
- **Labor**

Rain Garden Costs

- **Plant Materials**
- **Soil Amendments**
- **Make it easy for your customer to maintain the garden ! Soaker hoses for first year or two.**

Rain Garden Costs

**Can you think of
any other costs?**



Rain Garden Costs

**Good Luck
with Your Rain
Gardens !**

