

Green Roof Service LLC presents:

October 15, 2013

Projects	Services	Modern Green Roof Technology	Living Architecture	Resources	About Us
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Green Roof Plant of the Month:



Brush up on your green roof plant knowledge with a new plant every month! Only on our Green Roof Plant Blog!



Cities Alive Annual Green Roof and Wall Conference

Coming soon to San Francisco!



Cradle to Cradle Concept on a Green Roof

“The world will not evolve past its current state of crisis by using the same thinking that created the situation.”

Albert Einstein



Green Roof Pest Control and Maintenance

Insects will always coexist on green roofs. Many of these critters are great for the landscape, although some may become invasive. Read about how to avoid a bug take-over!



Solar Gardens Made Easy

The Solar Garden Roof System is rapidly growing in popularity. Here at Green Roof Technology we are actively helping commercial, municipal and non-for-profit clients generate renewable energy and control stormwater for a cleaner tomorrow.

Cities Alive Annual Green Roof and Wall Conference

October 23rd to the 26th San Francisco will be alive with Green Roof Professionals. Our very own Jörg Breuning will be featured in a lecture series at the Cities Alive Annual Green Roof and Wall Conference. The topic, Design with Maintenance in Mind, will highlight four sub-topics - one of which Jörg will be explaining the how the Solar Garden Roof System works, specifically highlighting the very first project installed on Randall's Island in New York City.



Cradle to Cradle Concept on a Green Roof

The Cradle to Cradle theory reappeared in 2002 with the release of Cradle to Cradle: Remaking the Way We Make Things by William McDonough and Michael Braungart. A concept dedicated to mimicking nature in which products can be fully recycled. Instead of materials having a specified lifespan, they can indefinitely be transformed into other products. A design created to enrich and benefit the environment even as products are manufactured and used.

Recently, the cradle to cradle design has been proposed for a green roof project in the United Kingdom. By-products from the London Sustainable Industries Park will be collected and transformed into aggregate material used for drainage purposes on green roofs and walkways.

Green Roof Technology has many opportunities to use recycled materials in our projects - as long as the green roof's efficiency isn't compromised or becomes the neighborhood landfill.



Green Roof Pest Control and Maintenance



Insects, spiders and other arthropods on green roofs are not uncommon. Actually, long term studies show that arthropod colonization on green roofs, whether one-story tall or 20-stories tall, mimics ground level colonization, sometimes with even greater diversity. Arthropods are a vital component for any healthy ecosystem and their diversity in an ecosystem keeps pesky and damaging arthropods in check.

However, infestations on green roofs do occur. Last Fall, we helped Swarthmore College diagnose and treat a white grub infestation on one of their green roofs. By recognizing the infestation signs early, the college's professional horticulture team was able to control the grub problem through organic pest control methods.

Recently, a red spider mite infestation was reported in a school in the UK with a 12-month old green roof. The infestation on the green roof was allowed to go unchecked

for so long that the bugs made their way into the school via air ducts. When children began complaining of bites the school had to close down for several days to fumigate.

Naturally, all green roofs are susceptible to infestation. Red spider mites are a common household and nursery pest. Spider mites thrive in hot, dry conditions. Being aware of their preference for hot, dry conditions and the effect they have on infested plants is vital information all professional green roof maintainers must possess.

It is important to remind installers that all nursery plants arriving on a project site should be checked for possible disease and pest infestation. Green roof installers and maintainers must be able to recognize the early signs of infestation and know how to control their populations first through non-chemical methods and finally with a targeted plant-based, non-toxic pesticide if necessary.

Solar Gardens Made Easy



Here at Green Roof Technology we are actively helping commercial, municipal and not-for-profit clients generate renewable energy and control stormwater for a cleaner tomorrow.

The Solar Garden Roof System is rapidly growing in popularity. The benefits of our combined solar and green roof system are unmatched. Additionally, the Solar Garden Roof System can be 50-60% less expensive than a 4" extensive green roof.

We provide a number of services for our clients. They include the following:

- Provide professional designs and engineering,
- Maintenance programs for your Solar Garden Roof,
- Secure 25 year Roof and Solar Warranties,
- Help secure commercial solar financing,
- Offer SREC brokerage,
- Perform leak detection,
- Assess roof membrane condition.
- Utilize local professional labor resources,

Call us today for a Free Estimate & Analysis:

Using satellite imagery, we analyze factors that affect your Solar Garden Roof design such as south-facing roof location, shaded areas and available roof space. We will also study your monthly energy usage and future energy plans so that we can create the best system for your needs.

Additionally, business owned PV systems are eligible for tax advantages, such as accelerated depreciation and a thirty percent Federal solar investment tax credit.

Call us today to see if a Solar Garden Roof System is right for your roof.