

This building has an eco-roof !

The eco-roof on this building was installed on June 12, 2004. The components of this eco-roof include:

- edge boards with drainage holes- to hold soil and allow excess water to escape
- a waterproof membrane in place of conventional asphalt shingles
- a layer of carpet underlayment to help retain water on the sloped pitch
- 4” of lightweight growing media- 3 different mixes for research trial purposes
- netting layered in the growth media for erosion control
- live plant material, mostly Sedum and Sempervivum species, for drought-tolerance and mat-forming capabilities
- a thin layer of small round rock to help with wind and rain erosion

Eco-roofs can perform many environmental benefits, including reduction of stormwater run-off; improvement of water quality of roof run-off; replacement of habitat lost when the structure was built; reduction of energy costs inside the building; extension of the life-span of a roof; and aesthetic appeal. They can be built on flat or sloped roofs, on large industrial buildings or small backyard sheds, with consideration of the structural load capacity of the building.

This eco-roof is part of the SPROUT program- Sustainable Plant Research and Outreach Center, a partnership between The Oregon Garden, Oregon State University, Natural Resources Conservation Service, and many other organizations. SPROUT works to facilitate a real connection between the scientists, the growers of the plant material used in the research, the practitioners who will put the research results to use in the landscape, and the policy groups that can facilitate wide spread application of environmentally sustainable practices. For more information, contact the SPROUT Coordinator.

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