

**Green Roof Installation:** Joe DiNorscia, Laurel Valley Farms, Inc. / Skyland USA, LLC

The green roof installation in Chester County, PA includes the application of a waterproof membrane to the roof surface, the installation of a drainage layer, the placement of rooflite green roof media and the planting into the growth media of plants from the sedum family. The project demonstrates the many uses of a green roof application to visitors to Laurel Valley Farms, Avondale, PA. It also shows a benefit for which mushroom compost can be used. The mushroom compost included in the installation is a PA Preferred product and will show the *PA Preferred Label*.

Green roofs have been proven over many years as being a beneficial means to mitigate the many effects of the continued growth of impervious surfaces whether that be with building construction, roads, or any other man made construction that inhibits the movement of water to percolate and return to the ground water supply.

Laurel Valley Farms, Inc. along with their majority owned company, Skyland USA LLC have since 2005 produced a specialized growth media (rooflite®) for the use on green roof applications which has been used on a variety of projects across the country. A vital part of this growth media is the addition of a high quality organic source, and in the case of Laurel Valley Farms, Inc. this organic source is mushroom compost because of its consistency and broad beneficial nutrient content.

An extensive green roof has the capacity to decrease the amount of rain falling upon the roof surface by greater than 65 percent, reduce the heat load on the building beneath the roof surface through evapotranspiration and mitigate the effects of the heat urban island effect.

Photographs from several Pennsylvania green roof sites that we've worked on are included. As soon as the plants take root on this current site, photos will be available.



Rice Cold Fruit Storage – Biglerville, PA



Philadelphia Free Library – Philadelphia, PA



Morris Arboretum – Philadelphia, PA



Selinsgrove Elementary School – Selinsgrove, PA



Green Roof under construction at Laurel Valley Farms

