Taking the Higher Ground: Growing Cleaner on Boston’s Rooftop Farm

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John Stoddard and Courtney Hennessey: co-owners of Boston’s first rooftop farm

The Problem: Nutrient Depletion

Use oats as cover crops to prevent nutrient depletion.

Methods

- Research
- Interviews
- Participant Observation at project site

Implementation

- Step 1: Gather volunteers
- Step 2: Plant winter oats as cover crops
- Step 3: Plant spring crops on top of oats

Cost Comparison of Solutions and Current Conditions

<table>
<thead>
<tr>
<th>Yearly Cost ($)</th>
<th>OATS</th>
<th>PEAS</th>
<th>POLY TARPS</th>
<th>VINYL TARPS</th>
<th>CURRENT NUTRIENT COSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3100</td>
<td>$127</td>
<td>$190</td>
<td>$248</td>
<td>$388</td>
<td></td>
</tr>
</tbody>
</table>

Solutions

- OATS
- PEAS
- POLY TARPS
- VINYL TARPS
- CURRENT NUTRIENT COSTS

References

http://assets.newmediaretailer.com/99000/99996/web_oat-seeds.jpg
https://ct.staticflickr.com/3/2434/180189512_2ac6e519.jpg
https://pbs.twimg.com/profile_images/1720988257/HGF_400x400.jpg
http://www.highergroundrooftopfarm.com/