

Sustainable Materials Management Internship Program UPR-Mayaguez Team

Agenda

- The Team: UPR-Mayagüez
- Goals
- Strategy
- Results
- Conclusions

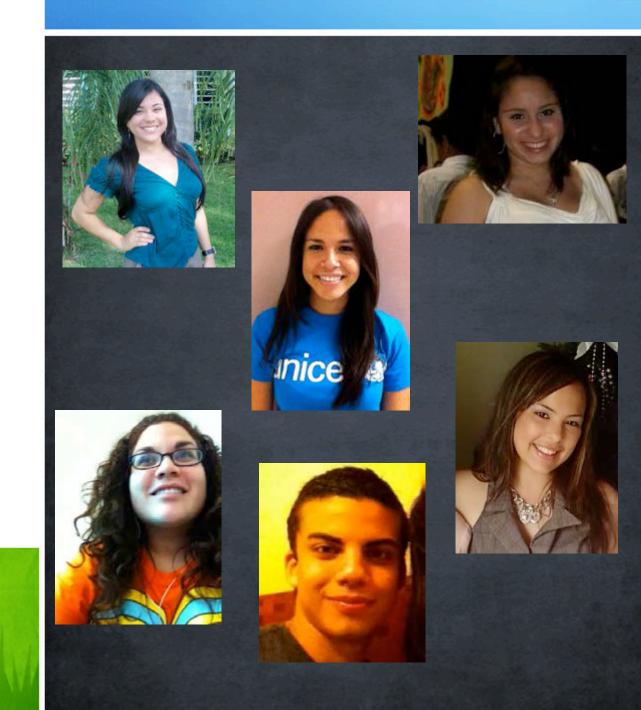






Team Workers: UPRM

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- •Loyda García
- •Yaneira A. González
- •Griselle B. Martínez
- •Maraida Balaguer



The Goal: Education and Implementation

- Engage a school in Puerto Rico rural area.
- ✓ Miradero II at Mayaguez, P.R.
- ✓ Sciences Groups: 4th, 5th & 6th
- Teach students and educators about recycling, with a focus on composting.
- Establish a more sustainable organics management plan for the school.
- ✓ Activities: 5 Días con Nuestra Tierra (5 days with our Earth) Tierra & WOW! (SWE)





Strategy

Prepared by: Maraida Balaguer-Barbosa UPR-Mayaguez Team

Look for a school

• Mayaguez rural area .

Engage the school

 Get approval and support from selected school.

Fill forms and documents

• Authorization from school's Principal to carry out the project.

Visit the school

 Teach students and educators about recycling focused in composting.

Set dates

• Establish the days to visit schools.

Team is getting ready

 Webinars and in-person training sessions with Syracuse University team members.

Project implementation

 Practice the lesson plans established in trainings through implementing the composting system at selected school.

Final report

 Introduction, overview, statistics, and recommendations about project.

Sponsors:



Environmental
Finance
Center
Syracuse University





PRRP

CWM

Data

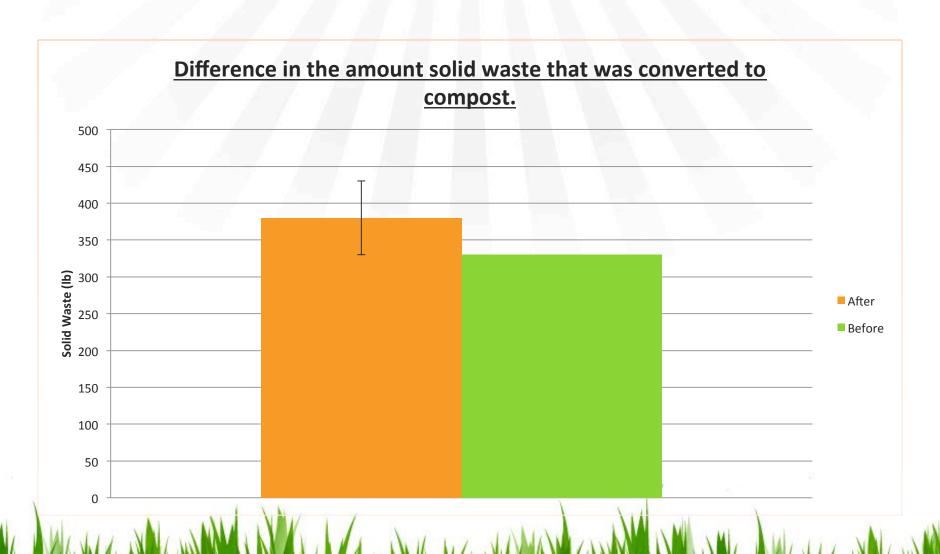
Data obtained from Miradero II School

# of persons at school (students + professors)	~200
# of persons that were impacted	~50

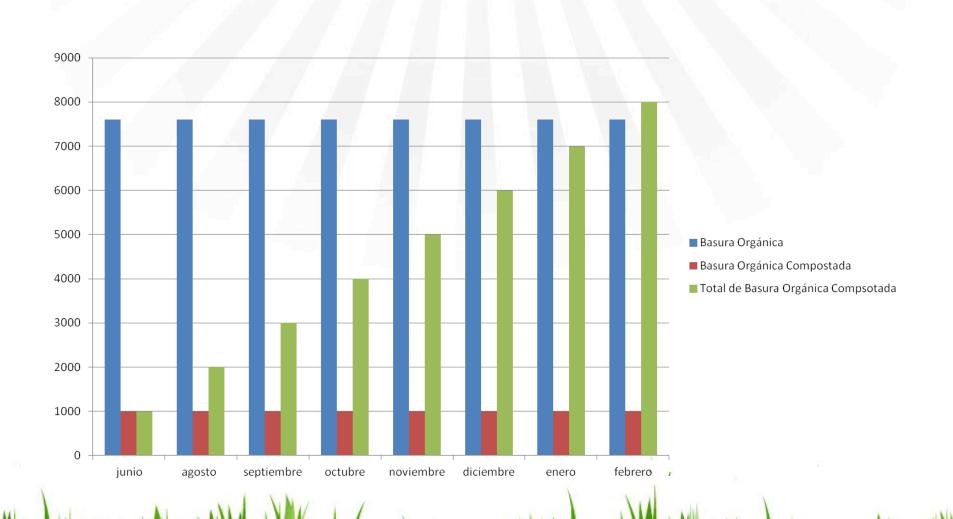
Results

Analysis	
Quantity of solid waste that produced a Puerto Rican	~2 lb/person/day
Quantity of solid waste that is produced in Miradero II School	~2 lb*200*students =400 lb/day
Quantity of organic waste that became compost at Miradero II School	~50 lb/day
Percent of garbage that we deviate	(50/400)*100=12.5%
Quantity of organic waste that is not going to end in dump/year	50lb./day*364days =18,200 lb for 50 students

Results



Organic matter vs. composted organic matter.



Conclusions

 Is a fact that making compost reduces the amount of organic matter that reaches dumps.

 Education about recycling and compost works, but illustration works better.

We need more time for improve our project.

