

Pollinator Gardens: Lessons Learned

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Today

Planning – its all about Goals and Expectations

Traditional Planting VS Pollinator Planting



- Interpretation
- Some Cool Data from Doug Tallamy



Everyone's Goal is to add Beauty to our world.

Beauty is Subjective.



Planning: Failure is an option

Understand Expectations

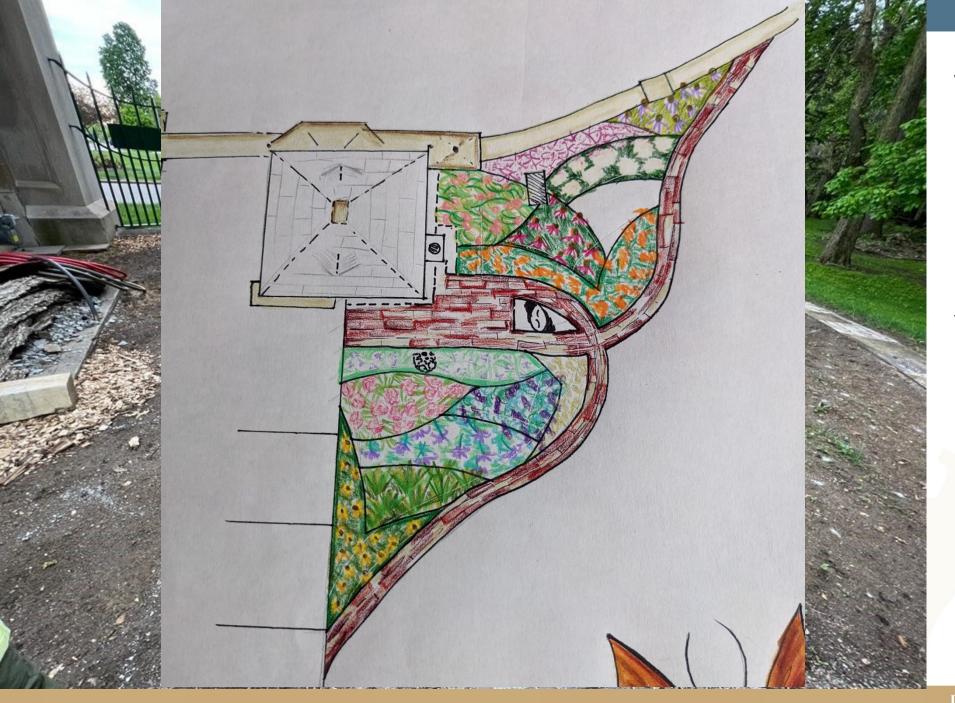
Site Managers
 Site Users

Set Project Goals

 Habitat, species, other mitigation needed to avoid failure.

Change/edits WILL happen





We can't assume that even the most skilled volunteers can read our minds or our plans.....



Planning

Your pivot to **native** over **nonnative** plants increases diversity in the greater landscape even if you only plant

one species.

- Simple designs are:
- Easier to layout and plant
- Easier to maintain
- Easier to interpret
- More adaptable to small or formal landscapes



Planning: Maintenance

Current Site Use - Turf grass island wish seasonal annual planting bed

- 1. Mow Weekly
- 2. Water/weed 1-2x a week
- 3. Spray broadleaf weeds 4x a year (Fertilize?)
- 4. Seasonal Annual flower change out 3x per year
- 5. Mulch?





Planning: Maintenance

Pollinator Planting

- 1. Planting 1x possible need for supplemental planting if something fails
- 2. Watering Season 1, Weekly for year 1
 - a) Only during drought as needed following years.
- 3. Mulch Annual functional then aesthetic
- 4. Weeding Weekly
 - a) /Plant editing once plant density increases
- 5. Signage optional



Trees and Shrubs are Pollinator Garden Plants TOO!





Planning - Expectations

Current Site Use

- 1. See the maintenance crew regularly getting our \$ worth
 - a) Noise
 - b) Traffic disruption
- 2. Herbicide and fertilizer exposure to family and pets
- 3. Color change from seasonal planting if they survive
- 4. "Neat and Tidy" ???

Pollinator planting

- 1. Messy
- 2. Not organized dependent on design
- 3. Don't know how to contract maintenance
- 4. Less site visits
- 5. Less inputs
- 6. Less herbicide/fertilizer use
- 7. HABITAT



Planning - Habitat needs met?

Current Site Use Turf grass with seasonal annual planting

- -Some bees and insects

 Depending on annual planting material

 Clover allowed in turf?
- -Canada geese
- -Canine waste disposal (but not treated)





Planning - Habitat needs

Pollinator Planting

- More components of HABIT provided
- Dependent on species planted and diversity of the planting
 - -Nectar and pollen bees/insects
 - -Larval feeding insects
 - -Nesting Material birds/ small mammals
 - -Water?
 - -Cover year round winter stems left in place
 - -Winterseed heads food =Winter interest
 - -Builds soil biome micro flora and fauna

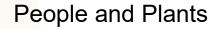






Planning-Installation

Site Prep/ Hardscape









Get Kids Involved!

It may be their only chance to learn this skill.

73% of **children** (ages 6-16) said they do not regularly play outside their homes.

Helen Dodd, Professor of Child Psychology at University of Exeter







"I guess worms aren't nasty they can be nice"



Post Planting Care -

Maintaining for Plants:

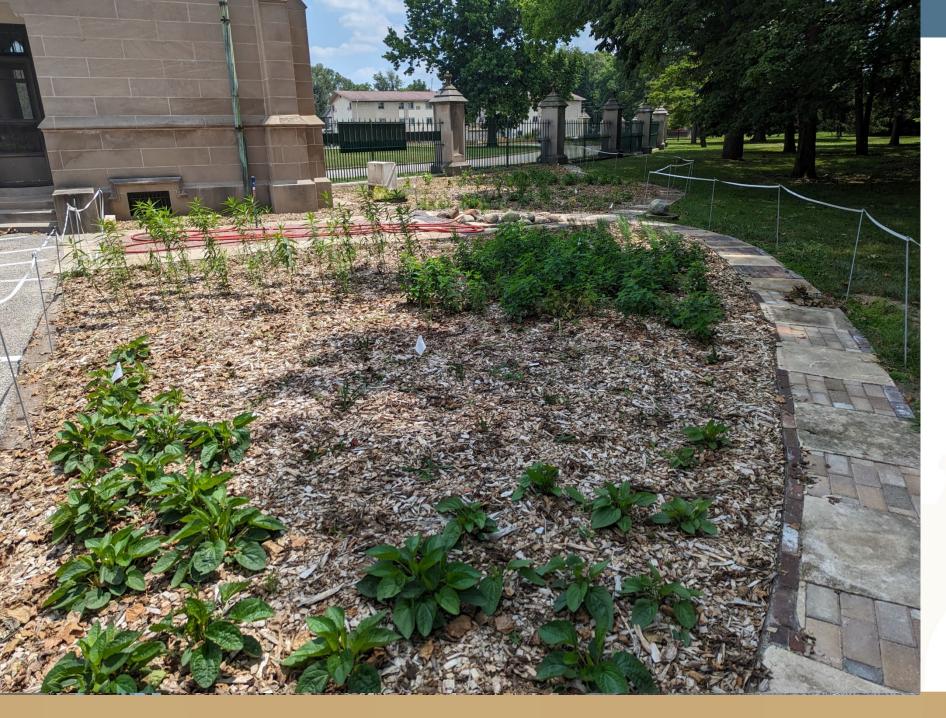
- Water to establish
- Weed out early competition
- Leave alone
- Plants will migrate/compete



Maintaining for People:

- Keep distinct groupings/mixes
- Manage plant encroachment
 - mulch buffer
 - plant height lower at edges
 - plant pruning to reduce/manage "flop"
- High planting density
- Weed out seedlings that travel





New gardens need to be protected from excessive herbivory.





Many
Hands
Make light
work....





And new friendships!



Weeding Wednesday — Not just for weeds

Having a regular weekly volunteer day/activity helps people feel welcome to help when they can.

Reduces the demand on staff/leaders to facilitate events to meet peoples' schedules.

Native plants that are weeds get repurposed on site or in our volunteers' gardens.



How do We Handel Debris

Learning Opportunity!





Interpretation - Physical Signage

- Temporary announcement (campaign style)
- Partner org recognition NPS, NWF
- Interpretive permanent signage specific to the site
 - Ways to Interact with the plating
 - Good Insects we expect to see
 - Benefits of native plants
- Plant ID labels
- QR Code to website or social media



White text on a dark background is easier to read in high light.





Temporary, homemade, or imperfect signage is still educational. If a plant is not within 3' of the path it doesn't get a sign.







"PULSE DESIGN NATURE SERIES" Interpretive Trail Sign #084-2020-02D-29521, Size 20"x20", @2021 Pulse Design, Inc. To Order: Call 708-385-1308 or Visit: www.pulsedesign.com



Interpretation – Media/Virtual

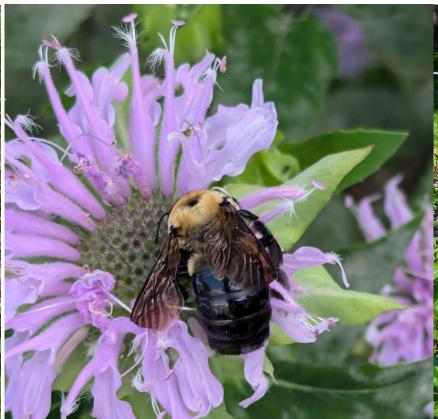
- Neighborhood/ Organizations' Newsletter or Website
- Social media Page
 - Post all stages
 - Prep Maintenance
 - Flowers and wildlife
 - Volunteer support and Care
 - Highlight Seasonal changes
 - Help folks calibrate to what they are seeing



Seasonal Progress









Interpretation - Proactive Positive Word of Mouth

Get Kids Involved!

Beat the rumors and negative opinions

Provide the Goals and the facts

"Plant" ambassadors in the community that know about the project

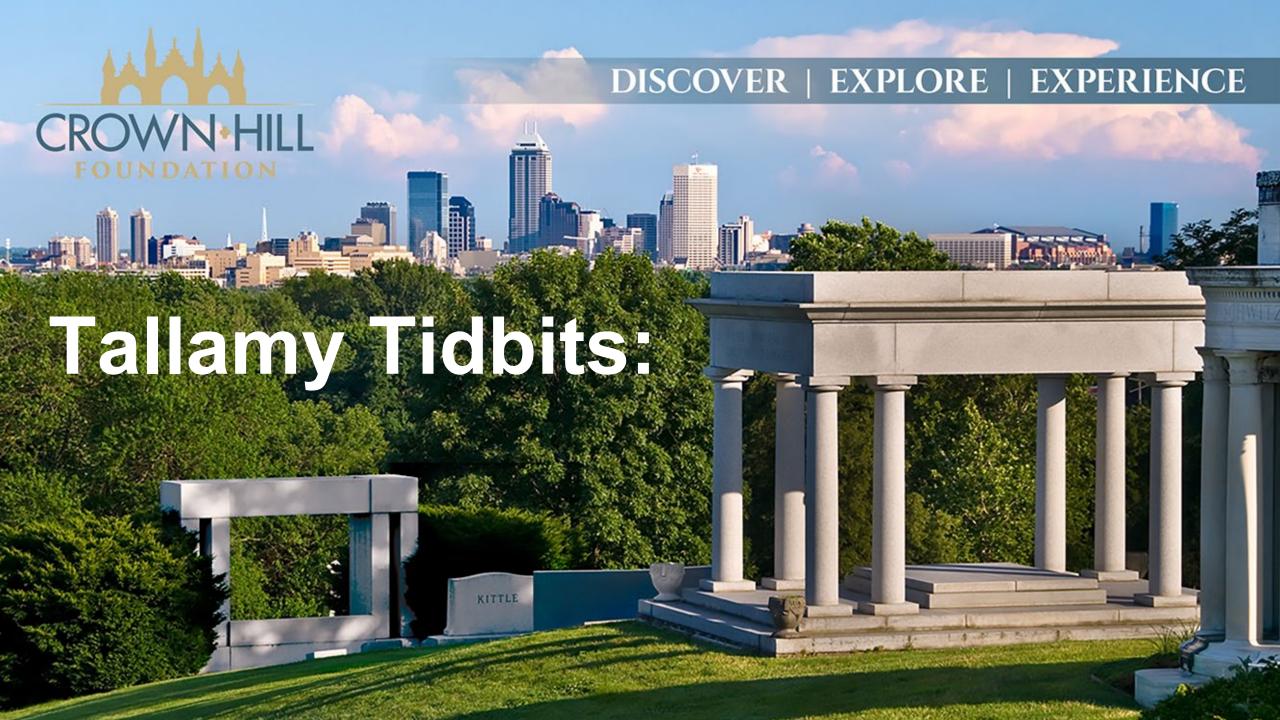
Local leadership recognition

SWCD, INPS, DAR, Local Gov Officials

Provide auxiliary related programming/tours in advance









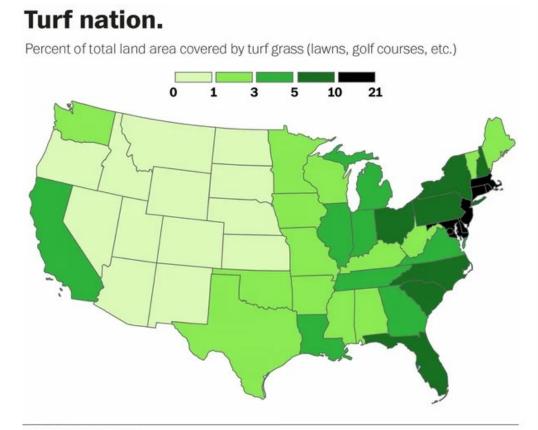
Not Habitat

The US is home to over 50 million acres of turfgrass.

Land intentionally treated to be a monoculture.

Insecticides applied are generally broad spectrum.

Does not include land in AG Crops also generally monocultures.







DISCOVER EXPLORE EXPERIENCE

Change from a **THEY** Should to a **WE** should issue.

- New compatible native species
- Removal of Invasive plants
- Stop killing existing native plants





DISCOVER

EXPLORE

EXPERIENCE







83% of land in the U.S. is privately owned. If we planted native on 50% of private land, we would restore biodiversity... and we can do it starting NOW.

We greatly encourage municipalities and public places to participate.

but right NOW, each of us can take an ACTION.

Let's start planting!





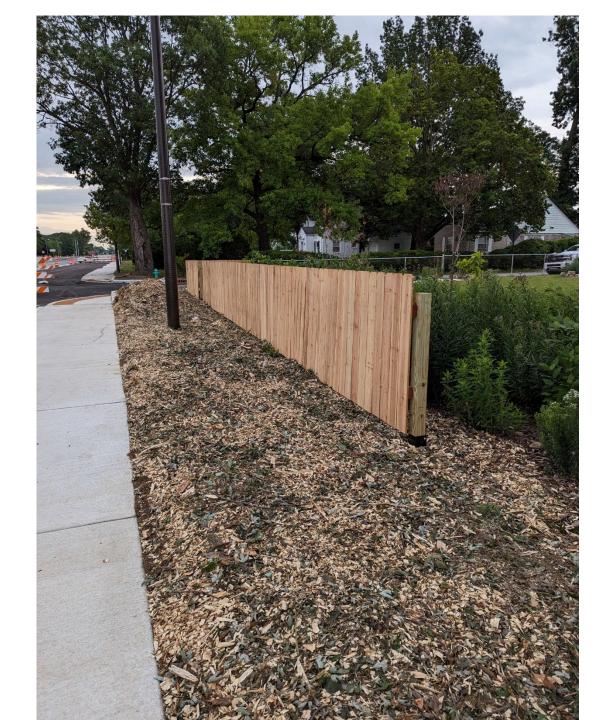
DISCOVER



EXPLORE



EXPERIENCE





DISCOVER



EXPLORE



EXPERIENCE



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DISCOVER | EXPLORE | EXPERIENCE