

Talks for the General Public

Plant Disease Management by Design

Preventing Plant Disease Problems
During the Landscape Design Process

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Plant Disease Management by Design Observations

- Potential disease issues abound in landscape settings
- Some issues develop soon after planting; others take years to manifest
- Some issues are preventable
- More sustainable landscapes are possible



Plant Disease Management by Design What to Consider

- Site Evaluation
- Plant Selection
- Plant Installation
- Post-Installation Care



Plant Disease Management by Design Site Evaluation

- Check for a history of severe diseases.



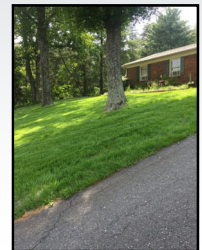
Plant Disease Management by Design Site Evaluation

- Learn the cropping history of the site.



Plant Disease Management by Design Site Evaluation

- Check for any topological oddities.



Plant Disease Management by Design Site Evaluation

- Evaluate soil characteristics.



Plant Disease Management by Design Site Evaluation

- Check the soil pH.



Plant Disease Management by Design Plant Selection

- Avoid certain plant species.



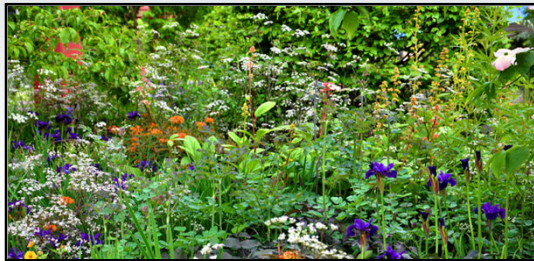
Plant Disease Management by Design Plant Selection

- Avoid certain plant varieties.



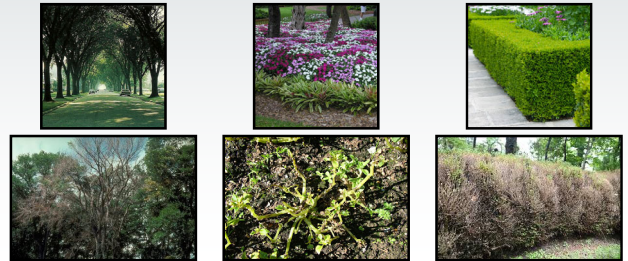
Plant Disease Management by Design Plant Selection

- Diversify your plant palette.



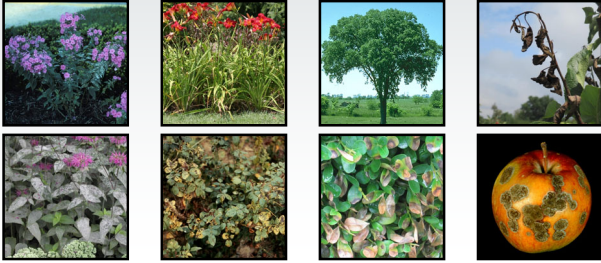
Plant Disease Management by Design Plant Selection

- DO NOT plant monocultures.



Plant Disease Management by Design
Plant Selection

- Consider using resistant varieties.



Plant Disease Management by Design
Plant Selection

- But, realize that resistance has limits.



Plant Disease Management by Design
Plant Selection

- Diversify resistance wherever possible.



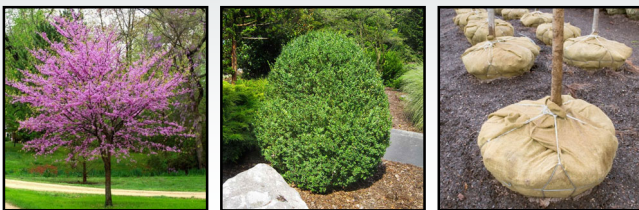
Plant Disease Management by Design
Plant Selection

- Consider plant provenance.



Plant Disease Management by Design
Plant Selection

- Consider buying locally produced plants.



Plant Disease Management by Design
Plant Selection

- Start with pathogen-free plants.



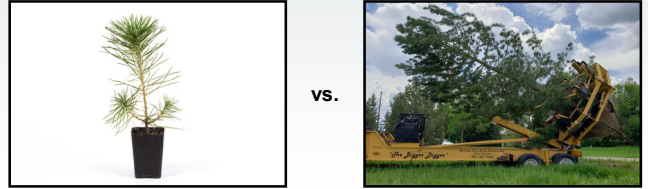
Plant Disease Management by Design Plant Selection

- Avoid problematic plant pairings.



Plant Disease Management by Design Plant Selection

- Plant small.



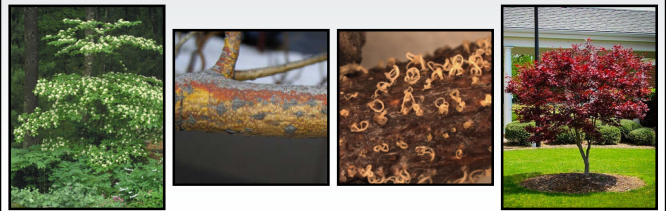
Plant Disease Management by Design Plant Selection

- Use bare root woody plants if possible.



Plant Disease Management by Design Plant Installation

- Site plants properly.



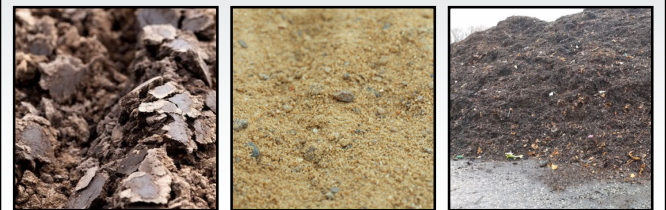
Plant Disease Management by Design Plant Installation

- Optimize plant spacing.



Plant Disease Management by Design Plant Installation

- Modify soil as needed.



Plant Disease Management by Design Plant Installation

- Prepare plants properly for planting.



Plant Disease Management by Design Plant Installation

- Mulch properly.



Plant Disease Management by Design Plant Installation

- Rotate annual bedding plants.



Plant Disease Management by Design Post-Installation Care

- Water properly.



Plant Disease Management by Design Post-Installation Care

- Water adequately.



Plant Disease Management by Design Post-Installation Care

- Prune, thin, and divide as needed.



Plant Disease Management by Design Post-Installation Care

- Control weeds.



Plant Disease Management by Design Post-Installation Care

- Have a good yearly clean up plan.



Plant Disease Management by Design Putting It All Together

- Disease issues can be common and sometimes serious in landscape settings
- Many diseases can be addressed during the design process, yielding more sustainable landscapes
- DO NOT expect perfection
- Design to so that clients enjoy their landscapes (including the diseases)

Plant Disease Management by Design Where to Go for Help

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