

# **Kyle Johnson**

14 years experience in landscape design, installation, and maintenance, hardscape (natural stone and manufactured), lawn care, tree care and pruning, and irrigation.

Horticulture Degree from MCC in 2003

NNLA Nebraska Certified Nurseryman in 2010

Joslyn's Landscape Maintenance Technician since March, 2011

## **What do I do?**

If it's green, I take care of it.

If it's brown... it's not my fault.



**37 different species of trees**

**2 acres of turf**

**Annuals, perennials, grasses, shrubs, and groundcovers throughout**

**Drip and over-head irrigation**

**Snow removal**



**Newest affiliate site of the  
Nebraska Statewide Arboretum**









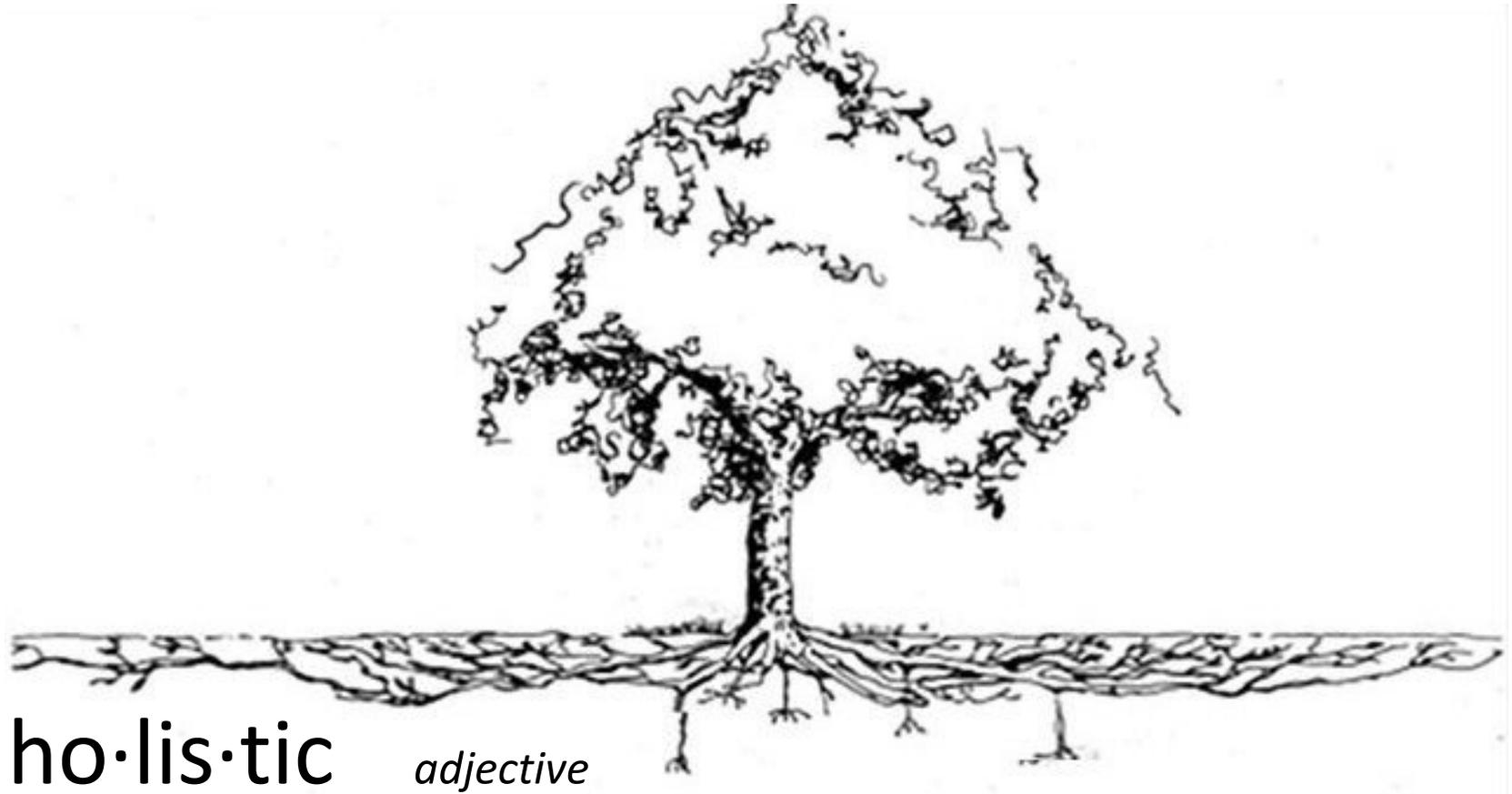






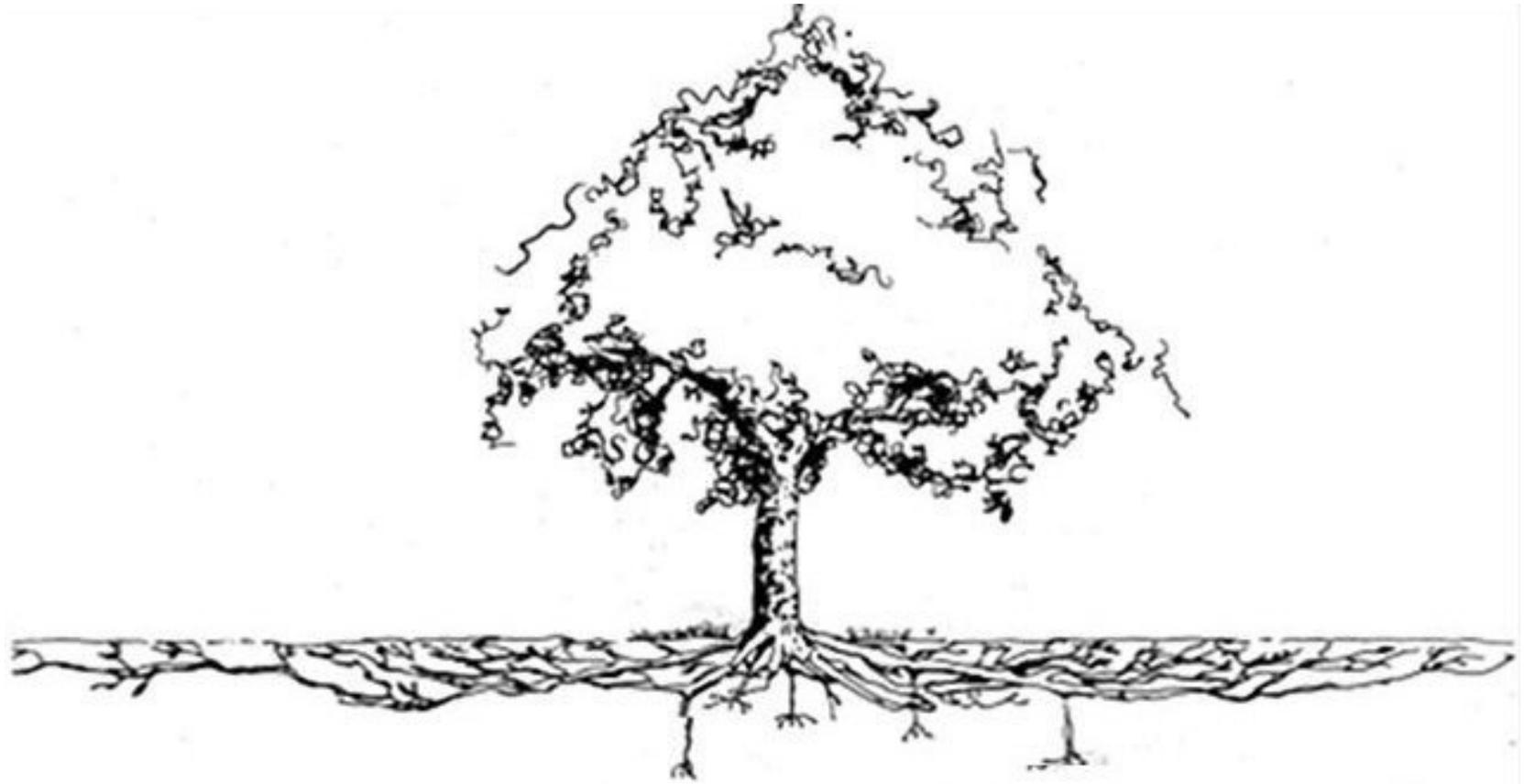






**ho·lis·tic** *adjective*

: relating to or concerned with complete systems rather than with individual parts

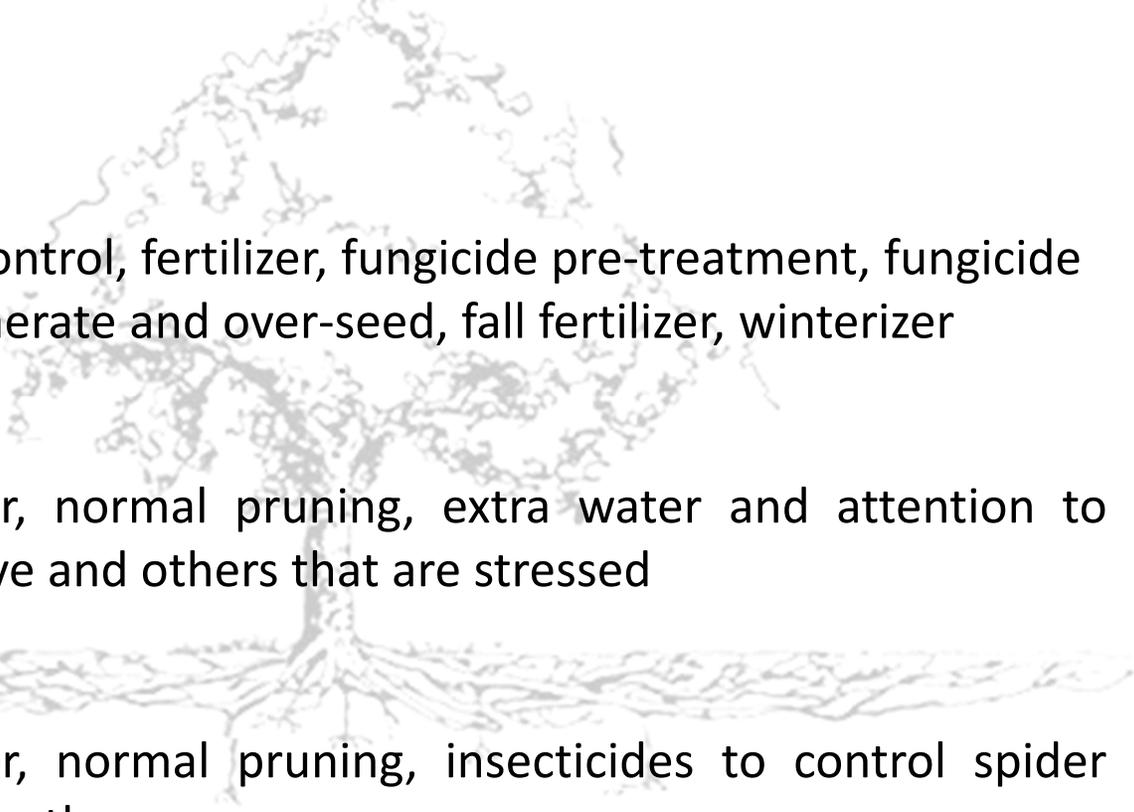


**“The worst place you can plant a tree is in your lawn.”**

**- Addie Kinghorn**



# 2011 and 2012



## TURF PROGRAM

Pre-emergent, grub control, fertilizer, fungicide pre-treatment, fungicide curative treatments, aerate and over-seed, fall fertilizer, winterizer

## TREE CARE

Slow release fertilizer, normal pruning, extra water and attention to maple trees along drive and others that are stressed

## ORNAMENTALS

Slow release fertilizer, normal pruning, insecticides to control spider mites and Japanese Beetles



ENVIRONMENTAL  
IMPACT

SAFETY

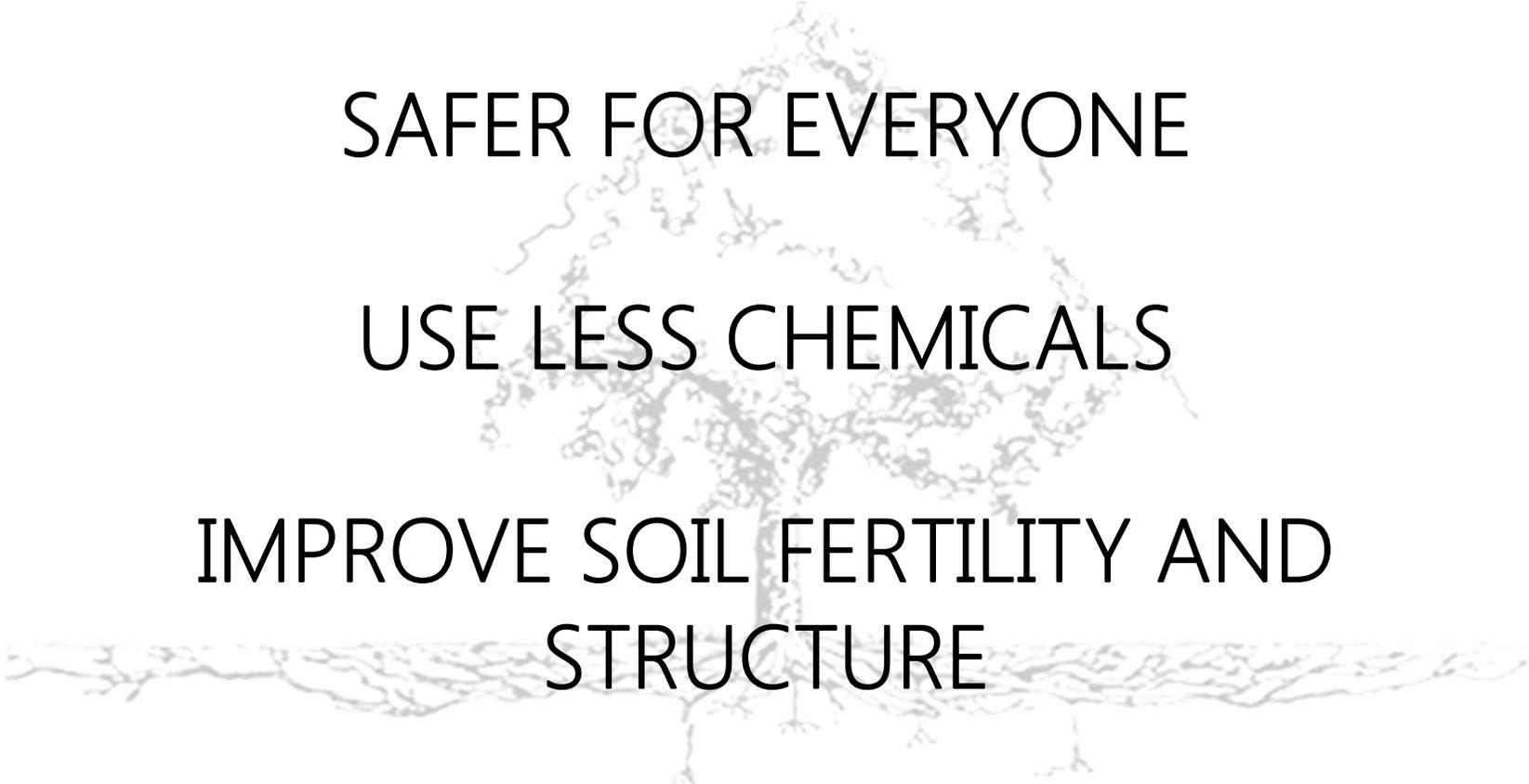
COST

PERCEPTION

EFFICACY







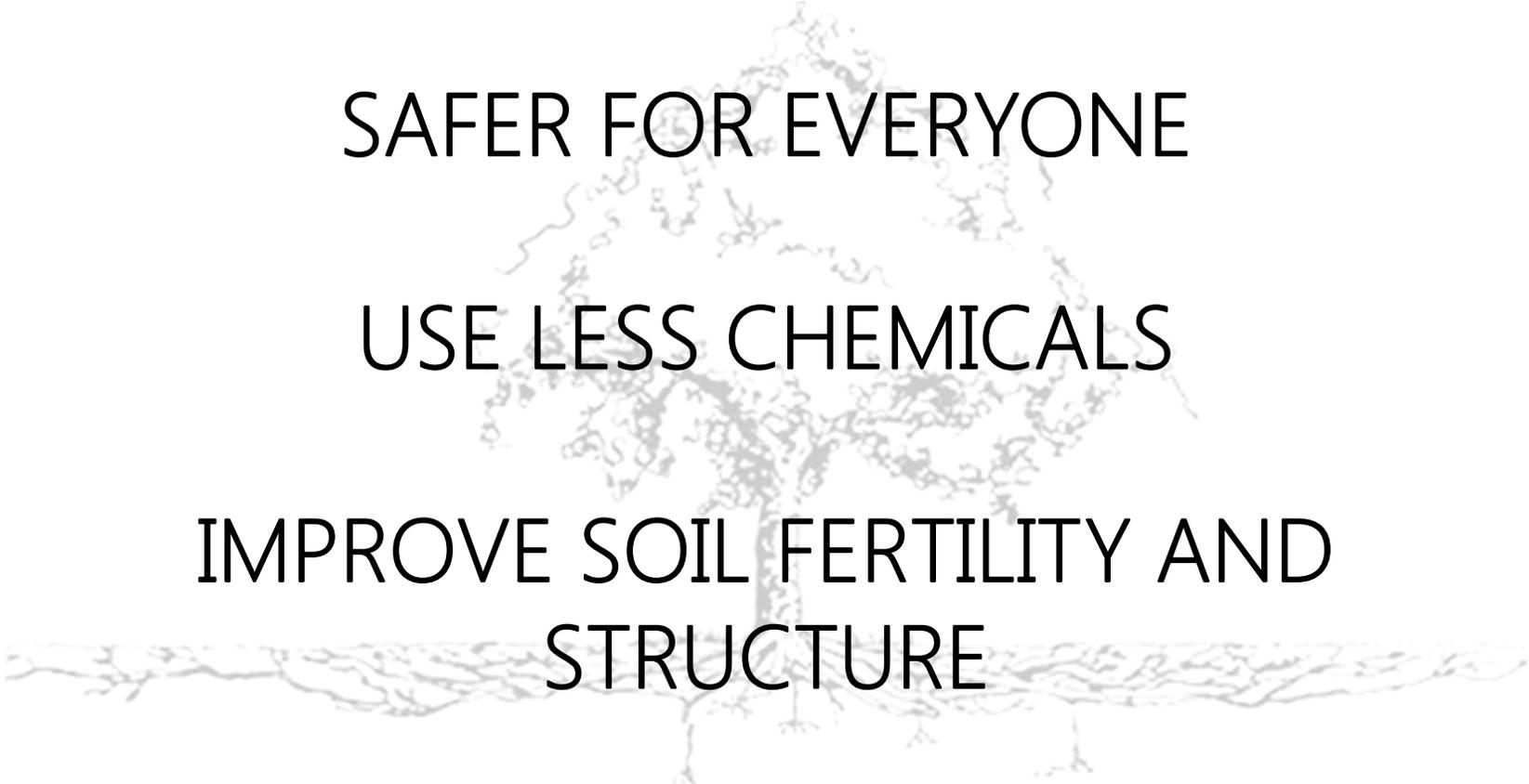
SAFER FOR EVERYONE

USE LESS CHEMICALS

IMPROVE SOIL FERTILITY AND  
STRUCTURE





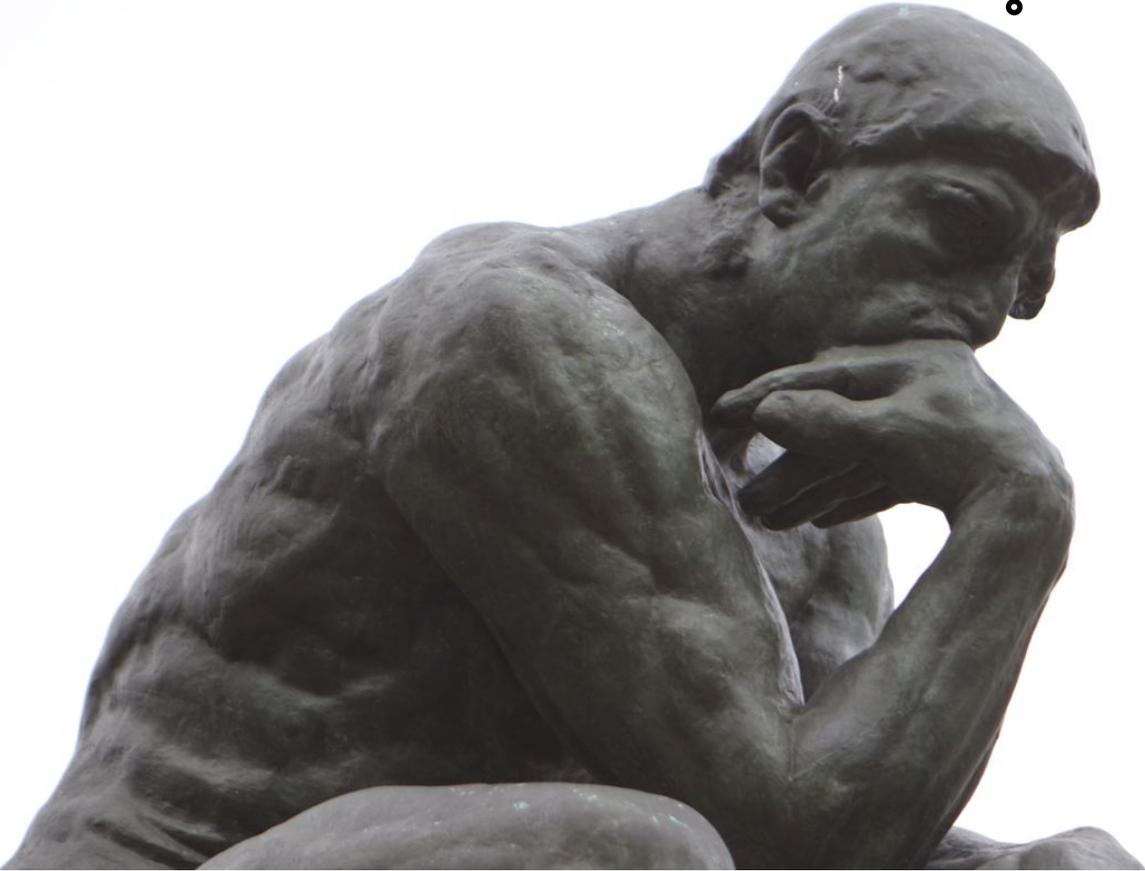


SAFER FOR EVERYONE

USE LESS CHEMICALS

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ORGANIC?



# ORGANIC

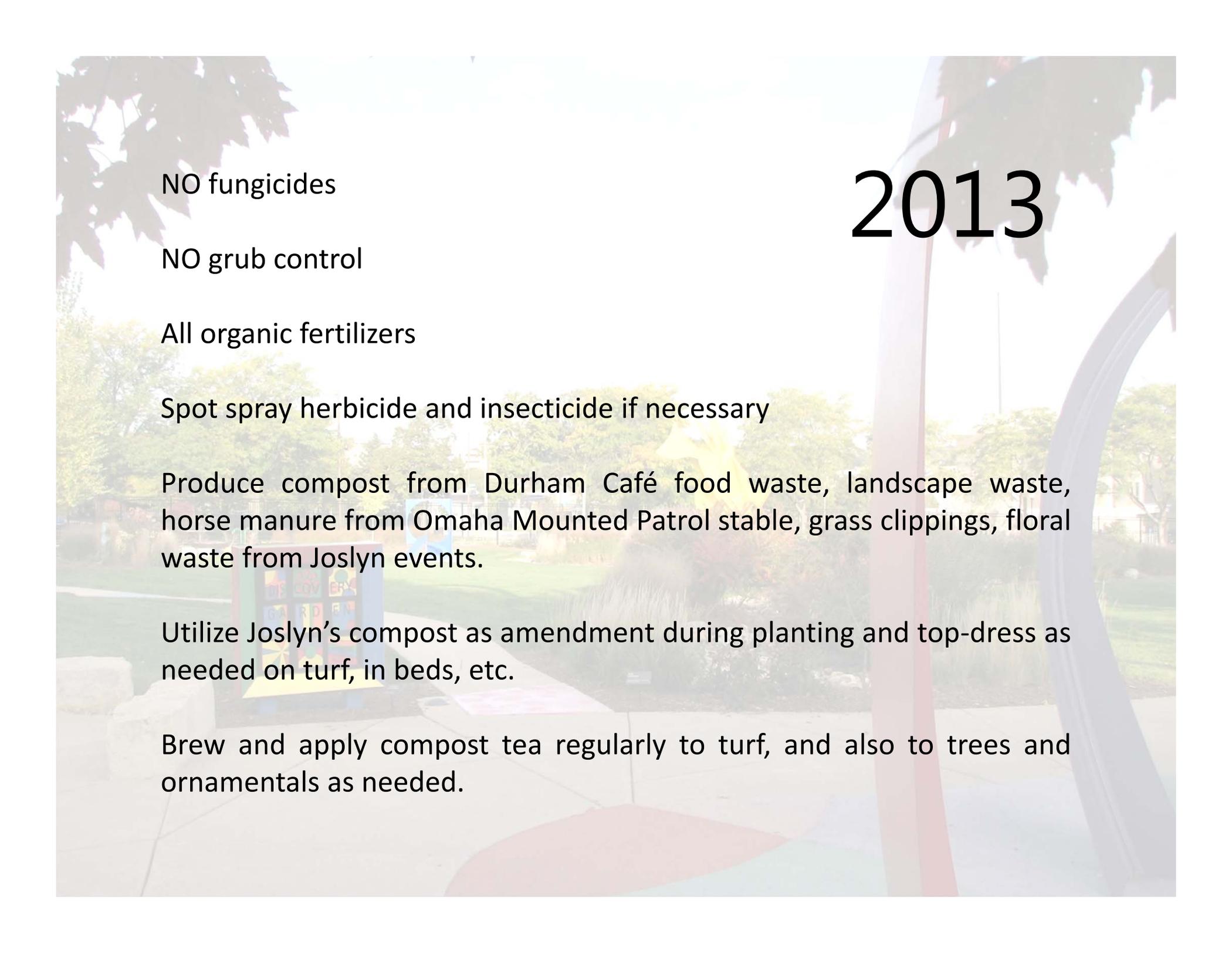
Eliminates risk of exposure to synthetic pesticides.

Can add organic matter to soil, improving structure and water retention.

Elimination of grub control and other broadly applied insecticides eliminates potential harm to beneficial insects and other organisms.

Elimination of fungicides encourages beneficial fungi and other soil-borne microbes.





# 2013

NO fungicides

NO grub control

All organic fertilizers

Spot spray herbicide and insecticide if necessary

Produce compost from Durham Café food waste, landscape waste, horse manure from Omaha Mounted Patrol stable, grass clippings, floral waste from Joslyn events.

Utilize Joslyn's compost as amendment during planting and top-dress as needed on turf, in beds, etc.

Brew and apply compost tea regularly to turf, and also to trees and ornamentals as needed.

# TURF PROGRAM

# 2013

Mow all turf at 4.5" all season (my highest mower setting)

Pulled weeds when possible, spot sprayed when necessary

About 3 applications of compost tea to turf in each garden

Aerate and over-seed with fescue blend

SPRING – 9-0-0 corn gluten pre-emergent/fertilizer

SUMMER – 3-1-5 alfalfa fertilizer with kelp and soy meal

FALL – granular, dehydrated compost topdressing



**Compost tea** is the result of “brewing” composted organic material in water, which extracts nutrients, minerals, and beneficial microbes present in compost. The brewing process involves creating an aerobic, nourishing environment that allows the beneficial bacteria, nematodes, fungi, and protozoa living in the compost to rapidly reproduce and populate the tea.

- Neutralize chloramine in water
- Liquid fish and kelp emulsion
- Oat bran
- Unsulphured molasses
- Humic acid
- Mycorrhizae
- 1-2 lbs. compost in strainer bag
- Aerate thoroughly
- Brew for 24-36 hours

### Inoculant and probiotic.

Encouraging high population of beneficial bacteria, nematodes, fungi, and protozoa discourages the presence of other, disease-causing bacteria and fungi.

### Fertility.

Nutrients, minerals, and micronutrients extracted from compost. Microbes in the tea digest organic matter more quickly and thoroughly, making more nutrients available to plant roots.

### Microbial diversity.

A wide variety of soil microbes encourages a balanced ecosystem.

### Reduces thatch in turf.

Healthy soil has an active microbial population, which rapidly decomposes organic matter that would otherwise potentially result in a heavy thatch layer.























