

Advanced Master Gardeners Utah State University

2005

The Quest Continues

Woody Plants

Trees, Shrubs and Vines

Trees, Worth Our Time, Worth Our Resources

- Part of Community Infrastructure
- Vital to Community Health
- Community Legacy
- Positive Impact on Business and Tax Base

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Trees, Worth Our Time, Worth Our Resources

- Positive Impact on Business and Residential Tax Base

Wise Investment of Community Dollars

Community Trees, Vital to Community Health



- Tree-filled Neighborhoods Lower levels of domestic violence

Community Trees, Vital to Community Health



- Tree-filled neighborhoods Are safer and more sociable

Community Trees, Vital to Community Health



- Tree-filled landscapes reduce stress

Community Trees, Vital to Community Health



- Trees decrease for medication need and recovery times

Community Trees, Vital to Community Health



- Trees absorb high-frequency noise

Trees Save the Environment.



- 100 trees remove five tons of CO_2

Trees Save the Environment.



100 trees remove about 1000 lbs of pollutants per year, including:

- 400 lbs of ozone

- 300 lbs of particulates

Trees Save the Environment.



- 100 mature trees catch about 250,000 gallons of rainwater per year.

Trees Save the Environment.



- Decrease polluted runoff
- Decrease soil erosion

Savings for Homeowners.



- Save up to 30% on cooling costs
- Save 10-25% of energy used for heating

Trees sell houses. (At higher prices.)



Each large front landscape tree adds 1% to sales price

Trees sell houses. (At higher prices.)



- Large specimen trees can add 10%, or more, to property values.

Trees Mean Better Business.



In tree-lined commercial districts...

- More frequent shopping
- Longer shopping trips
- Shoppers spend more for

Save Your Community Thousands...

100 Trees Over 40 Years...

Typical Benefits

Energy	\$43,000
CO ₂	9,000
Air Quality	9,000
Runoff	46,000
Aesthetic	<u>118,000</u>

Total \$ 225,000

Typical Costs

Planting	\$21,000
Pruning	37,000
Removal/disposal	8,000
Irrigation	6,000
Sidewalk repair	1,000
Litter	3,000
Legal	6,000
Admin	<u>1,000</u>

Total \$ 83,000

Make Your Community Thousands...

270% Return on Investment

In 40 years, the average tree returns \$2.70 in benefits for every \$1 of community investment...

Plant trees. Create a legacy.



Central Park, New York City

Trees

- Did you know?
 - * Trees growing in urban settings live 13 yrs. on the average

Trees

- **Did you know?**
 - * **Trees in residential neighborhoods average 37 yrs.**

Trees

- Did you know?
 - * Trees in rural, undisturbed sites average 150 yrs.

Trees

- Did you know?
 - * Some species of trees live longer than others

The Bottom Line...

- Benefits depend on healthy trees
- Healthy trees require quality care
- Quality tree selection and care depends on you

What You Can Do...

- Support long-term community forest goals
- Support programs for tree maintenance and care
- Support volunteer tree organizations
- Champion community trees

Trees in Our Cities and Landscapes

Utah State University Extension Service
Advanced Master Gardeners