

## Native Trees Can Use Fertilization

They grow naturally in the woods but the same kinds of trees grown on your home grounds for shade can use a little extra attention, such as fertilization.

Fertilizer is especially beneficial in helping newly set shade trees become established, suggest Agricultural Extension Service specialists at North Carolina State University.

Fertilizer may also aid established trees that appear unhealthy. However, established trees do not need fertilizer each year.

Fertilizer for trees should contain two or three times as much nitrogen as it does phosphorous and potash. Example of such fertilizers are 10-6-4, 15-5-5 and 12-4-4. Since shade trees are not fertilized frequently, one-fourth to one-half of the nitrogen should be in an organic form such as cottonseed meal or tankage. Organic nitrogen becomes available to trees and other plants more slowly and will, therefore, feed them more gradually for a longer period.

Established trees should be fertilized only as needed. It's generally recommended that trees be fertilized in early spring. A second ap-

plication should be made in early summer if additional nutrients are required. Avoid fertilizing trees in late summer.

Use two to four pounds of fertilizer for each six inches of tree diameter. Trees less than six inches in diameter should receive one to two pounds of fertilizer. Measure trees at breast height to get the diameter to use.

One of the easiest methods for applying fertilizer is by surface application. Surface application can be used on both new and established trees.

Apply the fertilizer evenly under the tree branches. Avoid putting fertilizer within one foot of the trunk since this can injure the root collar.

If your soil is compacted or if you have grass growing under your trees, the most effective way to fertilize them is by punching holes in the soil and putting fertilizer in these holes.

Begin punching holes about one to two inches in diameter about two feet from the trunk. Continue every two feet all around the tree and out slightly beyond the spread of the branches. Then equally distribute the fertilizer in the holes.

Woody Upchurch 12-21-83

## Grandparents Are VIPs to a Child

Ask a child what a grandparent is and you will get some interesting answers. Grandparents can play five major roles in a child's life, says Dr. Leo Hawkins, extension human development specialist, North Carolina State University.

They are the family historian. "Children love to hear stories of the 'the olden days,' and grandparents can make their own stories part of the child's life story," Dr. Hawkins says. These stories are more than just enjoyable. Through them, children learn that their parents were once children, too.

Grandparents can serve as a child's mentor, "someone who takes them under his wing, sharing the wisdom accumulated through a life of experience," Dr. Hawkins says.

They are also role models. "They are living examples of what the young child can expect to become. If grandparents are absent, the child will pick up an image of what it means to become old from other sources, such as television. Powerful grand-

parents also embody the attitudes, morals, talents and acceptable behavior for the family," Dr. Hawkins notes.

The most basic role grandparents play is that of a nurturer, although institutions provide more and more of this care. "Today, grandparents are more likely to be called in only during a major family crisis. As grandparents become more detached, they are less likely to be called upon to help and less willing to respond," Dr. Hawkins says.

A final role, particularly important to youngsters, is that of 'wizard.' "Parents and teachers are following certain roles which do not restrict grandparents. They are freer to have fun with the grandchild," the extension specialist says.

How grandparents fulfill these roles depends upon many factors, such as health, money, geographic location and desire to become involved with grandchildren. "Those who do become involved, find the role brings money rewards," Dr. Hawkins says.

Joan Gosper 9-21-83

## North Carolinians Challenged To 'Think Again' About Public Television

If you think someone else is going to give for you...

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Send your check to The University of North Carolina Center for Public Television Box 6150 Chapel Hill, NC 27514

Take a minute to consider these questions about your recent television viewing: When was the last time you saw a high quality dramatic production on TV? Where can you find good children's programming these days? What is your only source of weekly science and nature series? Who offers the only hour-long early evening national newscast?

If you're like most people in North Carolina, these questions bring to mind programs like "Masterpiece Theatre," "American Playhouse," "Sesame Street," "Nova," "Nature," and the "MacNeil/Lehrer Newshour"—all offered on North Carolina Public Television.

Now answer one more question. Do you contribute to public television? Fewer than three out of a hundred viewers in North Carolina can answer "yes" to that one. And if you think that's enough to maintain the quantity and quality of offerings currently available on public television, Think Again.

During January and February, the University of North Carolina Center for Public Television is

## Second Concert

The Craven Community Concert Association announces the second concert of the 1983-84 season. The North Carolina Symphony Chamber Orchestra

under the direction of James Ogle will present a concert Thursday, Jan. 12, 1984, at 8:00 p.m. at New Bern Senior High School. Admission is by membership subscription only.

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challenging viewers to "Think Again" about how much North Carolina Public Television means to them, and about how much they are willing to commit to help meeting growing costs for programming, technical services and production.

The "Think Again" campaign leads up to the Center's annual on-air fundraising "Festival" in early March. It is hoped that the pre-Festival drive will generate enough support that the number and length of on-air pledge breaks can be reduced this year.

The campaign centers around a variety of on-air interviews with North Carolina viewers who discuss what public television means to them. The interviews will be shown in one-minute spots between regularly scheduled programming. Tune in and see what they have to say. You'll probably find yourself nodding and smiling in agreement.

But if you think the pleasures you derive from public television will continue at the present level with the support of only three viewers in a hundred, "Think Again."



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