Poor watering habits can kill plants; water's sodium may help kill folks

By DOUG GRAHAM

an-College Station water may ch a plant or human's thirst, but ing it may have grave long-term s, says a Texas A&M University

Harold Wolf, mental engineer, has been shed in various journals, ading a look at the effects of high m content in water supplies. e reason is that a high sodium ent in water may hurt individu-

thoroughly and less often.
"You've got to water the plant real

well, and supply good drainage. diet drir Maybe even fill the pot two or three sodium. times to leach it out. The problem is that they (plant owners) don't water their plants enough. They keep the top wet, but it never soaks all the way

He said that the thorough water-ing will not be too much for the plants as long as sufficient drainage is

He found that many soft drinks, diet drinks especially, contain a lot of

He cited EPA reports that from 21 to 27 million Americans need to be concerned with sodium intake.

Wolf also suggests that high sodium content in water may contribute to hypertension because constant salt intake impairs the ability to taste it. High sodium content in supplied. drinking water can lead to the unwit-If the owner does not leach the ting overconsumption of salt, he

functioning properly. "It is almost impossible to put a hypertensive patient on a low sodium diet in B-CS because the water contains more than the allowable amount in a rigid

for Bryan's water supply give 183 milligrams per liter of sodium and 47

milligrams per liter, Wolf said.

A company spokesman said the company sells four different lines: distilled, baby formula (which is distilled no differently), drinking, and spring water. The spring water is

ing water has 9.7 milligrams.

Skaggs Albertsons alone sold and 48 gallons of spring water were also sold.

one of the larger area suppliers of small stores, says it has supplied 900 gallons of distilled and 450 gallons of

excluding major stores like Piggly Wiggly, Safeway, and Kroger, all of which also sell distilled water.

But for those who aren't concerned, Smith said there seems to be no problem as long as their kidneys

know is if drinking this water all your life can cause a decrease in kidney

'I certainly think we need some

JHEAR CLASS

VERONICA 846-4771 The one problem is that after the gallons of water were consumed by

experimentation, what drinking B-CS water does to humans is less sodium's effect on human clear Wolf, at Texas A&M, said the

Bienski said gypsum can also be

added to balance the soil ph. Maddox

said care must be taken in selecting

"On plants in pots without drain-

Though the effect of water on

plants can be determined with some

ith hypertension, he said. It can soil, then the salt residue will even-

ne issue is not about basic water good fertilizers that won't contribute

Ith Resources. That means they age, you might need distilled water,

salts to the soil.

hurt plants. But the problem is tually kill the plant, he said.

clear-cut, and there is debate on

seriousness of the local water's

; area water supplies are cer-

free of toxic substances, undue too," she said.

d by the Texas Department of

nts of bacteria, or any diseases.

problem is that the water con-

dissolved salt — specifically, um ions — and people disagree

he debate is an important one. If

local water is indeed unhealthy,

osts more than the 63 cents a

sand gallons charged by Bryan.

al cost of local water higher. Be-

hines is generally agreed upon.

e area water is considered soft

er containing high amounts of

esium and calcium are consid-

hing, and water softeners are unessary in homes. Dr. Jack Runk-

director of the Texas Water Re-

re is no problem of excessive cor-

ter dries, it leaves a white film.

But with plants the problem is dif-

ent. Many students complain that local water kills their plants. To

ent that, they collect rainwater y bottled water in local stores. ealy Maddox, certified nurse-

and owner of Bob's Green mb Nursery, said salt build-up plants. As water evaporates, it es a residue of salt behind until

plant is finally killed. She said

many area plants die because of

But it isn't the water that kills nts, she says, but "not knowing

We use city water to water our gs are sensitive to the salt, or the

e named certain varieties of s that do not do well in the area use of their sensitivity, but em-

ized that watering plants propsolves the problem. "People poor watering habits. Here you

he correct way to water plants ends on leaching the soil of salt.

nard Bienski, owner of B&R nhouse, agreed. He said in-

rine or fluorine

l very correct habits.

uld be examined.

Hidden damage could make the

sodium content.

sodium concentration in the local water is too high to be healthy. Excess sodium intake increases the possibility of heart attacks, he said. He cited evidence gathered dur-

ing a drought in which Dallas imse of this, the effect of B-CS water ported highly mineralized water machines, plants, and humans while Fort Worth did not. The findings were interesting: during the Of all these, the water's effect on period of water importation, heart and circulatory system-caused deaths increased much more quickly in Dallas than it did in Fort Worth. Also significant was that after the d hard) less soap is needed in importing of water ceased, Dallas's

death rate dropped.
Wolf also analyzed per capita consumption of liquids by Americans. rces Institute at Texas A&M, said He found that 128.3 gallons milk soft drinks, beer, and other drinks were consumed each year. Only 56

Sodium harms the body because it contributes to high blood pressure, said Dr. Elvin Smith, head of the department of physiology in Texas A&M's College of Medicine. He said sodium gets in the blood, and will retain excess moisture through osmotic pressure. The increase of fluid volume drives up blood pressure, which leads to heart strain and loss of

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coronary efficiency.

After that can come heart attacks and death.

But Smith is not sure B-CS water is harmful. "My opinion is that the normally functioning kidney of a nealthy person will keep sodium levels the same as anyone anywhere.

However, we don't know what the long term effects of high level ingestion of sodium are.

He did say that the water is bad for those whose kidneys are not Texas Department of Health Resources said the most recent figures Dallas' present water supply, by

milligrams of chlorine. comparison, has a content of 11 to 25

This high level of sodium seems to have contributed to solid sales of distilled and other types of bottled water in local stores. The biggest supplier in the area is Oasis Water Company, which operates out of

shipped from Hot Springs, Ark.

She said the distilled water has 0.5 milligrams per liter, while the drink-

1,200 gallons of distilled water last month, said E.J. Baca, assistant grocery manager. He said 150 gallons of drinking, 24 gallons of baby formula,

An employee of Brenham Wholesale Grocery Company Inc., drinking water last month.

That comes to a total of more than 2,700 gallons of bottled water sold,

The water is sold both for drinking and for house plants. The total cost of the water is high: about 55 cents a

But bottled water's price isn't prohibitive. According to Runkles, only two quarts out of an approximate 165 gallons of water used each day end up in stomachs.

For those to whom price is no object, there is the continental Perrier's, water sophisticatedly priced at \$4.06 per gallon.

operate properly.

But he did caution: "What I don't

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Phase-out program suggested for country's tobacco crop

United Press International WASHINGTON — A key

member of Congress is proposing that the United States do for U.S. tobacco farmers what it has tried to do for poppy growers in other countries - wean them away

from their hazardous crop.
Rep. Henry Reuss, D-Wis., chairman of the House Banking Committee, notes that the United States has spent more than \$37 million over the past decade on crop substitution programs in Asia and South America.

The programs are aimed at cutting off opium, heroin and cocaine at their source. The farmers who once relied for their living on narcotics producing poppy and coca plants are aided in shift-ing to more useful crops. Reuss, in a recent letter to

James McIntyre, director of the Office of Management and Budget, says the government should be at least as helpful to its own farmers.

"It is time to stop preaching against tobacco and to develop

economically viable ways to curtail its production.

Why can't we do for farmers in North and South Carolina, Kentucky, Tennessee, Virginia, Georgia, and other tobacco states what we already do for farmers in Thailand, Turkey, Pakistan, Bolivia, and Peru?" he asked.

He said the government is continuing to foster and protect to-bacco production "despite the clear-cut health menace" of to-

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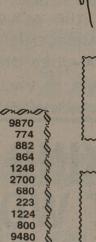
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