

June 18, 2020 - Issue # 344

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Nature's Way Resources owner John Ferguson, "The Lazy Gardener" Brenda Beust Smith and Pablo Hernandez welcome your feedback and are so grateful to the many horticulturists who contribute their expertise.

Click here to join our email list
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CORONAVIRUS CANCELLATIONS

If your event in our calendar below is cancelled, please let us know as soon as possible at lazygardener@sbcglobal.net











CONTINUE SUCCESS WITH GINGERS STILL WOW-ING NOW! TOP 10 GARDEN BEST/WORSE TRENDS

"Remember that children, marriages and flower gardens reflect the kind of care they get."

-- H. Jackson Brown, Jr.

by BRENDA BEUST SMITH

Booming plant sales in nurseries and online now are a silver lining in our current challenges, hopefully triggered in part (as my spies say) by the great WOW NOW! bloomers being submitted by you readers.

Certainly WOW! is the only way to describe the success of Mercer

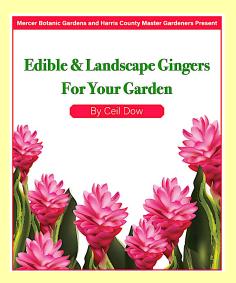
Botanic Garden's phenomenal number of gingers sold -- almost 700 -- during its brief virtual Father's Day sale. Too late to order now, but -- rest assured -- even more of the shade- & sun-loving gingers and other great plants that will be available in yet-to-be announced upcoming plant sales. Stay in touch: https://themercersociety.org/



Fortunately still readily available are two great ginger-growing resources produced by **CEIL DOW**, left, the goto Ginger Lady for the Greater Houston Area. Ceil is The Mercer Society ginger grower

(responsible for that phenomenal inventory) as well as a Harris County Master Gardener. Click on these links to benefit from her expertise!

- EDIBLE & LANDSCAPE GINGERS
 FOR YOUR GARDEN by CEIL DOW is
 available in both as:
 - A PDF: <u>Click here</u>On YouTube:
 - youtu.be/nV4Pyqjyuz8



HOW TO GROW
 GINGERS by CEIL
 DOWN (click for video
 that opens with a sound
 delay. Rest is ok.)

WOW NOW!s FROM READERS

The first day of summer this year arrives with the Solstice, Sat., June 20, at 4:44 pm our time. Longest day of the year -- plan accordingly!



June's average overall high temp nationwide is 68.7° F. Projected high here on this 2020 Summer Solstice = 92° F. And therein, Janice, lies one answer to your question.

 JANICE SMITH in Southwest Houston is excited her montbretia/(above, also called cocosmia) is blooming so beautifully. She's equally frustrated by how they lie down, instead of standing straight & tall. She's been staking each one.

Many bulbs need prolonged cold soil to build stalk rigidity. Our soil never gets "cold." And it warms up quickly. Without sufficient rigidity, stalks fall over. Low 1' +/- fencing around the greenery clump will probably solve the problem since it's the bottoms -- where stalk meets soil -- that bend, not the upper stalks or leaves. This is also a problem with montbretia in cooler climates when they need thinning. Advice is to lift them, peel off dead brown tissues, store for winter and replant in spring. You can try that, but bet they bend anyway.

 MAGGIE ZAMORA in West Houston is convinced her spectacular 'John Paul II' rose is "a sign of better days are ahead. The white rose does symbolize "a new beginning and everlasting love." Sure hope she's right!



Maggie's 5-to-7 year-old rose was purchased at either The Arbor Gate

or Antique Rose Emporium. It's now about 5' high & 3' wide and, Maggie says, has "not received one drop of chemical spray or insecticide in 2020." Their Energy Corridor home backs up to <u>Terry Hershey Park</u>. Don't recognize Terry's name? You should. Click on link.



EDITH & TRISH SMITH's WOW NOW!

<u>'Kiamata' oleander</u> is near & dear to my heart (and that of other <u>Bolivar Peninsula Jane Long Society</u> members). Like it's predecessor, the 'Jane Long' oleander' (both from Galveston oleander hybridizer Bob Newding), it recalls the historically awful winter Jane Long, 'Mother of Texas', and 13-year-old Kiamata survived all alone on the peninsula. Both oleanders can be seen at the Jane Long/Bolivar Peninsula pavilion on Jane Long Highway (TX 87), NE of Bolivar Ferry Landing.

PHOEBE LAKE'S WOW NOW! is also one of my favorites: Mexican Bauhinia (Bauhinia personal Mexicana). Her "Pleasing Plant Profile" notes: "... the genus was named after Gaspard and Jean Bauhin, two Swiss brothers (who) worked on an organized method of classifying plants in the 1500s, long before All bauhinias Linnaeus. have symmetrical leaves. When you fold them together, they "match . . . A fun activity for the youngsters!" An easy, free-form shrub for filtered shade, it can grow to 8' or more." Most winters Phoebe prunes back hard to keep it in a manageable shape for her space. It comes back even



denser the following spring. Seedlings that appear at the base transplanted easily. Attracts butterflies and hummingbirds and is deer resistant!

NOTE: STILL HAPPY TO RECEIVE "WOW NOW!" photos of flowers/varieties not already shown. Email to lazygardenerbrenda@gmail.com. Be sure to include name of plant, your part of town and notes other gardeners might find interesting! Other submissions can be seen at natureswayresources.com/NLindex2020.pdf

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ON! Hope everyone reads Molly Glentzer's much-anticipated garden update interview with HBG's VP of Horticulture, Joy Columbus, in Saturday's Houston Chronicle:

houstonchronicle.com/life/gardening/article/Sneak-peek-Houston-Botanic-Garden-a-worldly-15347824.php

To emphasize how HBG's diversity reflects our city's diversity, the four fall opening weekends (Fri.-Sun.) will highlight a variety of plants, food

and cultures. (hbg.org)

- Sept. 18-20, Latin America
- Oct. 2-4, Asia
- Oct. 16-18, Africa
- Oct. 30-Nov. 1, the Mediterranean.

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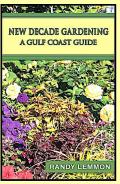
A NEW DECADE FOR GARDENING

... WITH RANDY LEMMON'S HELP! Houston's longtime radio gardening host extraordinaire has a new book, and will be signing copies 10:30am - 2pm at The Arbor Gate in Tomball in its new outdoor venue. I love the title: "New Decade Gardening: A Gulf Coast Guide"! Randy's been advising local gardeners since 1995, most recently through his GardenLine call-in show (6-10am every Sat. & Sun. morning on 740AM & 950AM & KBME. (Call-in line: 713-212-KTRH)



A proud Aggie, Randy's expertise combines great experience with constantly updated training and a blessed respect for "good ol' ways" that still work today. Not to be missed is this proud Aggie's chapter on "10 Best and 10 Worst" things to happen in the world of horticulture over the past 20 years.





GOOD THINGS FIRST (... A LA LETTERMAN ...):

- **10. My Fertilization Schedule Works**. If your soil stinks, no schedule is going to work, period, Randy warns. *Click for Randy's Fertilization Schedule*:
- **9. Deep Root Feeding/Watering of Trees**. You're revitalizing the root system so it will recycle correctly and provide nutrients and minerals the tree needs.
- **8. We are Planting More Fruit Trees,** especially citrus. A typical backyard can handle a dozen. Most can and should be pruned each year. Randy's typical listener has 4-6 different fruit trees. Fruit trees are sold year-round now. 20

years ago, they were available only in spring.

- 7. More Texas Native Plants Are Used in Residential Landscaping. Besides the deer-resistant benefit, people are learning about the low maintenance and drought-tolerant benefits as well.
- **6. We are Getting Better at Attracting Pollinators.** Some credit goes to publicity about bee colony collapse and declines in butterfly populations.
- **5. Organic Insect & Disease Controls Have Improved.** We have a whole new world of Organic/Natural Insect Controls. And there will be new ones introduced on a faster clip than any new synthetic insecticide in future years.
- 4. The Internet. No more requests for SASEs. Randy's Facebook page.
- **3. Organic Fertilizers Have Gotten Better.** Not just smelly-chicken-poop-clouds-of-nastiness anymore! They are more advanced in this age of environmental awareness.
- **2. All Kinds of Soils.** Thirty years ago, if you wanted rose soil, "getting started" soil, etc., you had to make it yourself. Now all kinds of quality soils by bulk or bag are so readily available, there's no need to make your own.

Drum roll please.....

#1 Biggest and Best Change: Compost/Compost/Compost. Higher quality now. More available. For me, it's probably the most significant change, for the better, in the past 20-plus years as your host of GardenLine.

10 WORST THINGS TO HAPPEN IN OUR GARDENING WORLD:

- **10.** The Annual Crape Myrtle Massacre. A battle we may never win. Butchering crape myrtles persists to keep crews busy in the winter months.
- **9. Zoysia Should Be Our Turfgrass.** It was hailed as the "grass of the future" over 25 years ago. I thoroughly agreed -- a southern turfgrass that needs less fertilizer, less water and no more chemicals for fungal diseases or insect pressures. Why hasn't it taken over? Probably cost, even though you're eventually saving the money with less water, fertilizer, fungicide and insecticide uses.
- **8. New Homebuilder Landscapes are Simply the Worst.** Most homebuilders scrap up the dirt/clay on which the home was built, then plop in the cheapest plants. They cover up that horrible excuse for a raised bed with dyed mulch, further poisoning the soil.
- **7. Weed Killers Have Not Evolved,** are basically the same as were 25 years ago. We have non-selective herbicides that kill everything, and selective, targeted herbicides for broadleaf and sedge type weeds. But no such thing as an "organic" all-purpose broadleaf weed killer.
- **6. Mowing Practices Have Not Evolved.** St. Augustine grasses are mowed too short on a consistent basis. We plead for St. Augustine lawns to be mowed

at the highest level a mower can go. Why grow Bermuda and thin-bladed Zoysias if you're not willing to invest in a reel mower that cuts over the top, like they use on golf courses?

- **5. Mulch Volcanoes.** Only a couple of inches of mulch is needed at base of newly planted trees. A foot or more is a death sentence. Roots try to grow in the mulch versus the ground below. And stop planting flowers in the mulch ring as well!
- **4. Compacted and Tainted Soils.** When flood waters cover lawns and landscapes for days at a time, nothing good is happening to those soils. The "Building the Perfect Beds" book chapter covers Soil Remediation Protocols.
- **3. Weed-n-Feeds with Atrazine**. This product should have been removed 20 years ago by EPA, FDA, USDA and any other agency with such power. It kills trees and contaminates ground water. No matter how good you think Atrazine-based weed-n-feeds are at killing of weeds and greening up of the grass, it's the negative things you don't see that make it such a heinous product to use on any residential lawn.
- 2. People Don't Do Their Own Lawn Care Anymore. I estimate only one out of every 50 landscapers has education/knowledge on proper care practices. This is why we see so many diseases and weeds being shared from yard to yard. This is why "Crape Murder" happens with regularity. And this is why dyed mulch is so unnecessarily prevalent. And this is also why weed-n-feeds are improperly used as well. At the very least vet these landscapers out.

Drum roll please.....

#1. WORST THING: DYED MULCH. Mulch should 1. Reduce Weeds 2. Conserve Moisture 3. Add Organic Matter Back to the Soil. None of the dyed mulch help build back organic matter to the soil. They are almost always made of chipped up wood like pallets and discarded timbers, and then dyed. Even if it is dyed with something "organic" it's still a dye, and it's still leaching into the soil. Start using a more natural or native hardwood mulch. If landscapers refuse, then they should be fired immediately.

"New Decade Gardening: A Gulf Coast Guide"

Randy Lemmon Booksigning— 10:30am - 2pm at The Arbor Gate
15635 Farm to Market 2920, Tomball, Texas

https://www.facebook.com/events/746320726172218/

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Mea Culpa to Beauty's Garden -- BEAUTY'S GARDEN FARMERS
MARKET ACRES HOMES is Sat., June 20, 2020 (not June 29). It is 10am2pm every 3rd Sat. at 4333 W Little York Rd.
See more Farmers Market listings below at end of calendar.

* * *

— email request to: lazygardenerbrenda@gmail.com

Brenda's column in the LAZY GARDENER & FRIENDS HOUSTON GARDEN NEWSLETTER is based on her 40+ years as the Houston Chronicle's Lazy Gardener

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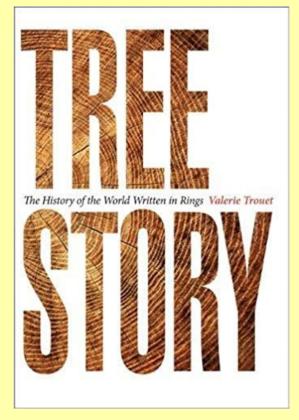


NEWS FROM THE WONDERFUL WORLD OF SOIL AND PLANTS #123

Trees are an amazing plant and by studying them researchers gain a glimpse into our past climate. Over the last few years, we have learned that trees communicate with microbes in the soil and each other. We have learned that trees share resources with each other, and that mature trees will often care for young trees.

Trees have more to teach us, through the eyes of a dendrochronologist, trees are a living document with history recorded in their rings. I just ordered a new book on the subject by Valerie Trouet from the University of Arizona's Laboratory of Tree-Ring Research that looks very interesting.

Tree Story: The History of the World Written in Rings, Released – April 21, 2020



When we are out working in the garden during the summer in the sun, we often get hot and overheated. Have you ever wondered why some plants do not overheat? Scientists at MIT published a paper in the journal Nature's Communications (2020) where they discovered one of the mechanisms plants use to protect themselves and cool off in addition to evaporative cooling. They found that plants have the ability to convert excess energy to molecules called carotenoids like lycopene and beta-carotene. These molecules are not only good for our health they have the ability to get rid of excess energy through extremely rapid vibration.

We are learning more about how plants communicate. A new study by the Salk Institute was published in the journal Nature Plants (2020) on how plants communicate danger. They found that a plant hormone jasmonic acid (jasmonate) found in many plants is used as part of their defense system against fungi and insects, is also a signaling agent to communicate danger to other plants.

Another study by researchers at Washington State University published in the journal Trends in Ecology and Evolution (2020), have confirmed that many of our cultivated plants have lost the ability to interact with soil microbes that help them collect nutrients and protect them from soil diseases. As a result, they are more disease and pest prone and require more fertilizer and water. This is another reason experienced gardeners are looking for natives and heirloom varieties of plants.

Another example of why we do not need GMO foods has been demonstrated by The French Agricultural Research Center for International Development (CIRAD). They have developed a 100% organic, disease resistant banana, that is Non-GMO. The banana called Pointe d'Or is naturally resistant to several diseases that have been destroying banana plantations around the world. I talked about this a little in newsletter issue #316 on November 8, 2019.

Several states are now giving homeowners a financial incentive to remove their lawns, as lawns are an ecological disaster. A great way to be part of the solution to many of our environmental problems is to convert lawns into gardens or orchards to grow more of our own food. Lawns require a lot of work and expense hence many homeowners are removing them. A good article on the problems and ecological damage cause by lawns can be found at: www.articles.mercola.com

Many of our readers know that agricultural molasses can be an effective insect pest deterrent. It seems the complex sugars in the molasses upsets an insect's digestive system.

Plants also have complex sugars in their sap. If the levels of these complex sugars are high, the insects do not eat the plant. However, if the level of complex sugars is low, insects are attracted to the plants to eat them.

There is an easy way that we can measured the level of complex sugars in our plants. By using a simple refractometer, one can measure the sugar level called a Brix reading. All one has to do is get a drop of sap (a garlic press works well to squeeze the sap out of plant tissue).

Place the drop of sap in the refractometer and read the results. If the reading is 0-2, then the plant is on its death bed and dying. If the reading is 3-7 it has a chance to recover and get healthy and insect resistant. When the sugar levels reach 8+ on the Brix index, the plant is healthy enough to produce secondary plant metabolites which provides the natural resistance to insect pests.

Secondary plant metabolites are also known to be the anti-cancer compounds

found in food plants. If one wants to learn more about secondary plant metabolites and health, there is a good lecture by the nutritionist Jerry Burnetti that can be found on the Acres, USA website from a few years ago.

If the Brix levels reach 14 or more, not only will the pest insects and caterpillars leave it alone, the plant will have so much complex sugars in their sap that the plant becomes drought resistant and frost tolerant (sugar water will not freeze above 26 degrees).

Artificial fertilizers and over watering tend to lower Brix levels in plants. Good compost, trace minerals, and organic fertilizers raise the Brix levels in plants.

Several times over the last few weeks I have been asked about gardening and Covid-19. There have been numerous research papers on the benefits of Vitamin-D that we get when out in the sun gardening. A good summary of the health benefits can be found at the link below.

www.citizens.org

Numerous reports over the last few months have shown that to have a strong immune system to fight Covid-19 and other viruses, the body requires the elements zinc (Zn), Selenium (Se), Chromium (Cr), Magnesium (Mg), and a few others that are essential to fight off this disease.

When we did the study of the herbicide glyphosate (Round-Up) a few years ago we found that the original patent for Glyphosate was as a demineralizer to clean pipes (US Patent # 3,160,632). It would bind so strongly to these elements it would pull them off the walls of the pipes thus cleaning them. When we eat foods with this herbicide on them, it ties up the nutrients (elements) we need for good health and prevents them from being absorbed by our bodies, especially those used by the human immune system to fight viruses like Covid-19 (assuming they were there in the first place, as most of our food supply is deficient in these essential elements to begin with).

Hence, one of the best ways to protect our families is to avoid foods contaminated by glyphosate. The best way to do this is to buy organic certified products. Now there is a second way to protect our families and that is to look for food products that are certified free of glyphosate.

A report from the newsletter "Sustainable Pulse" titled, "Glyphosate Residue Free Certification Booms as Iconic Food Brands, SGS and SOINS Get Involved".









"The Detox Project's Glyphosate Residue Free certification for food and supplement products is growing fast in the U.S. and Canadian markets and has now received international support from SGS, the world's leading inspection, verification, testing and certification company.

Some iconic brands have also joined the Glyphosate Residue Free boom recently including Chobani, PURIS (main suppliers of Beyond Meat), Once Upon A Farm and Organifi. Over 70 brands and 1500 products are now certified."

The single best way to have a healthy immune system is to grow as much as we can of our own fruits and vegetables, organically as possible, on mineral rich soil.

* * *

HAVE YOU TRIED . . .

BLACK GUM

(Nyssa sylvatica)

This Texas native (also called black tupelo, sourgum, sour gum), boasts incredible fall color on a magnificent specimen that can reach 100+' with trunks that eventually can exceed 3'. But that, of course, will take a LONG time. Usually found in moist, well-drained soils, but also on dry slopes. Shiny dark green leaves turn brilliant red, orange, and purple in the fall.



Black gum is carried by Nature's Way Resources (Map).

Any questions and orders for the plant nursery can be directed to Carol at nwrnursery@qmail.com.

Or . . . contact our sponsor, Montgomery Pines Nursery in Willis, our other sponsors below or your neighborhood nurseryman for possible sources.

LAZY GARDENER & FRIENDS HOUSTON GARDEN NEWSLETTER CALENDAR EVENTS

ADULT GARDEN PLANT EVENTS ONLY ALWAYS CHECK TO MAKE SURE YOUR EVENT IS IN! HOWEVER . . .

PLEASE READ BEFORE SUBMITTING EVENTS!

- Events NOT submitted in the EXACT format below may take 2 weeks or longer to be reformatted/retyped and added to calendar.
- Events in this EXACT format (below) are copied/pasted immediately in upcoming calendar. Pdfs or flyers need re-typing only delay publication.
- Submit to: <u>lazygardenerbrenda@gmail.com</u>. Put group name in email subject.

CHECK UPDATED CALENDAR BEFORE ATTENDING ANY PREVIOUSLY-SCHEDULED EVENT & THOSE LISTED IN CASE OF LAST MINUTE CANCELLATION.

WED., JUN. 24: FAMILY NIGHT – GEOCACHING, 4pm-6:30pm, Mercer Botanic Gardens, 22306 Aldine-Westfield, Humble. Free. Register: 713-274-4160. https://doi.org/10.1001/journal.org/

THURS., JUN. 25: BIRD SURVEY by Paul Gregg and Christy Jones, 8am-10am, Mercer Botanic Gardens, 22306 Aldine-Westfield, Humble. Free. Register: 713-274-4160. https://hcp4.net/parks/mercer

SAT., JUNE 27: STARTING A SCHOOL OR COMMUNITY GARDEN, 10:00am-12:30pm. Zoom Live Class by Invitation, \$20. Urban Harvest class. Register: urbanharvest.org/education/classes/

TUES., JUL 14: BONSAI by SCOTT BARBOZA, 7-9pm; Cherie Flores Garden Pavillion, 1500 Hermann Dr. Free. Plumeria Society of America event. theplumeriasociety.org

SAT., JULY 18: FALL VEGETABLE GARDENING, 9:30am-12:00pm. Zoom Live Class by Invitation, \$20. Urban Harvest class. Register: <u>urbanharvest.org/education/classes/</u>

SAT., AUG. 8: BOKASHI – WASTE NOT, WANT NO, 9:30am-11:30am. Zoom Live Class by Invitation, \$20. Urban Harvest class. Register: urbanharvest.org/education/classes/

TUES., OCT 13: FALL PLUMERIA SOCIETY OF AMERICA SOCIAL/LUAU 7-9:00 pm; Cherie Flores Garden Pavillion, 1500 Hermann Dr. Free. theplumeriasociety.org

TUES., NOV. 17: HEIRLOOM PLANTS by GREG GRANT, 10am; St. Basil's Hall, 702 Burney Road, Sugar Land. Free. Sugar Land Garden Club event. www.sugarlandgardenclub.org

LOCAL FARMERS MARKETS

- <u>URBAN HARVEST FARMERS MARKET</u>, Saturdays, 8am-noon, in St. John's School parking lot, 2752 Buffalo Speedway.
- <u>FULSHEAR FARMERS MARKET</u> Saturdays, 9am-1pm, 9035 Bois d'Arc Lane @ FM 1093, Fulshear.
- THE WOODLANDS FARMERS MARKET AT GROGAN'S MILL

Saturdays, 8am-noon, Grogan's Mill Shopping Center Parking Lot, 7 Switchbud Pl., The Woodlands

 <u>BEAUTY'S GARDEN</u> is now participating in the Acres Homes Farmers Market Saturday, June 20, 10am-2pm, 4333 W Little York Rd.

Although normally we did not run out-of-garden events, during this pandemic period when most gardening events have been cancelled, we are happy to publish a running list of local Farmers Markets.

Send notices to lazygardenerbrenda@gmail.com

For event submission rules, see top of calendar

If we inspire you to attend any of these,
please let them know you heard about it in . . .

THE LAZY GARDENER & FRIENDS NEWSLETTER!

& please patronize our Newsletter & Calendar sponsors below!

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If you are interested in becoming a sponsor, please contact us at 936-273-1200 or send an e-mail to: lazygardenerandfriends@gmail.com













www.bartlett.com



About Us

BRENDA BEUST SMITH

WE KNOW HER BEST AS THE LAZY GARDENER . . .

- ... but Brenda Beust Smith is also:
 - * a national award-winning writer & editor
- * a nationally-published writer & photographer
- * a national horticultural speaker
- * a former Houston Chronicle reporter

When the Chronicle discontinued Brenda's 45-year-old Lazy Gardener" print column -- started in the early '70s as a fun side-, it then ranked as the longest-running, continuously-published local newspaper column in the Greater Houston area.

Brenda's gradual sideways step from reporter into gardening writing -- first as a just-a-fun

side Chronicle assignment in the early '70s -- ed first to an 18-year series of when-to-dowhat Lazy Gardener Calendars, then to her Lazy Gardener's Guide book which morphed into her Lazy Gardener's Guide on CD. which she now emails free upon request.

A Harris County Master Gardener, Brenda has served on the boards of many Greater Houston area horticulture organizations and has hosted local radio and TV shows, most notably a 10+-year Lazy Gardener specialty shows on HoustonPBS (Ch. 8) and her call-in "EcoGardening" show on KPFT-FM.

For over three decades, Brenda served as as Production Manager of the Garden Club of America's BULLETIN magazine. Although still an active broad-based freelance writer, Brenda's main focus now is THE LAZY GARDENER & FRIENDS HOUSTON GARDEN NEWSLETTER with John Ferguson and Pablo Hernandez of Nature's Way Resources.

A native of New Orleans and graduate of St. Agnes Academy and the University of Houston, Brenda lives in Humble, TX, and is married to the retired Aldine High School Coach Bill Smith. They have one son, Blake.

Regarding this newsletter, Brenda is the lead writer, originator of it and the daily inspiration for it. We so appreciate the way she has made gardening such a fun way to celebrate life together for such a long time.

JOHN FERGUSON

John is a native Houstonian and has over 27 years of business experience. He owns Nature's Way Resources, a composting company that specializes in high quality compost, mulch, and soil mixes. He holds a MS degree in Physics and Geology and is a licensed Soil Scientist in Texas.

John has won many awards in horticulture and environmental issues. He represents the composting industry on the Houston-Galveston Area Council for solid waste. His personal garden has been featured in several horticultural books and "Better Homes and Gardens" magazine. His business has been recognized in the Wall Street Journal for the quality and value of their products. He is a member of the Physics Honor Society and many other professional societies. John is is the co-author of the book Organic Management for the Professional.

For this newsletter, John contributes articles regularly and is responsible for publishing it.

PABLO HERNANDEZ

Pablo Hernandez is the special projects coordinator for Nature's Way Resources. His realm of responsibilities include: serving as a webmaster, IT support, technical problem solving/troubleshooting, metrics management and quality control.

Pablo helps this newsletter happen from a technical support standpoint.





