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Willie Valdez

Running a landscape-related business can sometimes seem, well, like a crazy, passionate, sick, madness! If that has you laughing inside or out, I think it's because you can relate. While the pandemic and its difficulties are no laughing matter, this years' dramatic and rapid changes have intensified that madness like nothing I've ever seen or felt before. It's just a crazy world out there, with landscaping sometimes even more so.

Needless to say, our resilience is being tested in every aspect of our business and personal lives. The old adage "tough times don't last, tough people do" most likely never rang truer than it did at the start and halfway points of 2020. I sure hope to find out that not only are we tough enough to last, but that we also can all find a way to keep the crazy madness going for the remainder of the year and then some. If you're laughing as you read this, keep it up, that means you're relating.

The 2020 Beautification Awards event is no laughing matter, however, and it will be going forward. We have made some modifications for obvious reasons and we will be doing our very best to make sure all involved get their hard-earned rewards. By the end of the contest I hope it reveals all of our stakeholders' best characteristics. We've got a lot to learn and to work out, but we are really tough.

Entry forms will be available on our website (www. clcasandiego.org) by Friday, August 14. An email notice will be delivered to members when they're available for download. I hope you'll consider participating!

Beautification Award notes:

- First, an advance THANK YOU to all staff and volunteers.
- Please read and follow the modifications as best
- YOU MUST ENTER TO WIN!

As the pandemic rages on, we are all called to make sacrifices and pitch in where we can... even when we don't agree.

I'm very grateful for this crazy landscape industry... Best always! ~Willie



The Offshoot is the official publication of the San Diego Chapter of CLCA. Opinions expressed within the context of this publication are not necessarily those of the CLCA or its members. The Offshoot is designed and printed by Eyescapes, P.O. Box 242, Beaumont, CA 92223. Email: Bronwyn@eyescapes.net, phone: (949) 466-1222.



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NOW'S THE PERFECT TIME TO UPDATE YOUR FLEET!





August 14

San Diego Chapter Beautification Awards Entry Forms Available Online for Download.

This year's contest will be judged by photo submisssion.

September 8

San Diego Chapter General Meeting. All welcome. 8:45 a.m. breakfast/networking, 9:15 a.m. meeting. Mimi's Cafe, 10788 Westview Pkwy, San Diego.

October 13

San Diego Chapter General Meeting. All welcome. 8:45 a.m. breakfast/networking, 9:15 a.m. meeting. Mimi's Cafe, 10788 Westview Pkwy, San Diego.

October 23

San Diego Chapter Golf Tournament.

Rancho Bernardo Inn: 17550 Bernardo Oaks Dr., San Diego.

November 10

San Diego Chapter General Meeting. All welcome. 8:45 a.m. breakfast/networking, 9:15 a.m. meeting. Mimi's Cafe, 10788 Westview Pkwy, San Diego.

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Join the 2021 Chapter **Board of Directors!**

The San Diego Chapter is considering potential Chapter Officers for the 2021 **CLCA** year. If you're interested in joining the board and making a difference, please reach out to Chapter President Willie Valdez at (760) 500-9863.

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UC Riverside Discovers First Effective Treatment for Citrus-Destroying Disease

New license agreement commercializes innovative, safe technology

UC Riverside scientists have found the first substance capable of controlling Citrus Greening Disease, which has devastated citrus farms in Florida and also threatens California.

The new treatment effectively kills the bacterium, transmitted by the Asian citrus psyllid, with a naturally occurring molecule found in wild citrus relatives. This molecule, an antimicrobial peptide, offers numerous advantages over the antibiotics currently used to treat the disease.

UCR geneticist Hailing Jin, who discovered the cure after a fiveyear search, explained that unlike antibiotic sprays, the peptide is stable even when used outdoors in high heat, easy to manufacture, and safe for humans.

"This peptide is found in the fruit of



Oranges afflicted with Citrus Greening Disease. (Photo: UCR)

greening-tolerant Australian finger limes, which has been consumed for hundreds of years," Jin said. "It is much safer to use this natural plant product on agricultural crops than other synthetic chemicals."

Currently, some growers in Florida spraying antibiotics and pesticides in an attempt to save trees from the CLas bacterium that causes citrus greening, also known as Huanglongbing or HLB.

"Most antibiotics are temperature sensitive, so their effects are largely reduced when applied in the hot weather," Jin said. "By contrast, this peptide is stable even when used in 130-degree heat."

Jin found the peptide by examining plants such as the Australian finger lime known to possess natural tolerance for the bacteria that causes Citrus Greening Disease, and she isolated the genes that contribute to this innate immunity. One of these genes produces the peptide, which she then tested over the course of two years. Improvement was soon visible.

"You can see the bacteria drastically reduced, and the leaves appear healthy again only a few months after treatment," Jin said.

Continued on next page...



UC Riverside Discovers First Effective Treatment for Citrus-Destroying Disease

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Because the peptide only needs to be reapplied a few times per year, it is highly cost effective for growers. This peptide can also be developed into a vaccine-like solution to protect young healthy plants from infection, as it is able to induce the plant's innate immunity to the bacteria.

Jin's peptide can be applied by injection or foliage spray, and it moves systemically through plants and remains stable, which makes the effect of the treatment stronger. The treatment will be further enhanced with proprietary injection technology made by Invaio Sciences. UC Riverside has entered into an exclusive, worldwide license agreement with Invaio, ensuring this new treatment goes exactly where it's needed in plants.

The need for an HLB cure is a global problem, but hits especially close to home as California produces 80 percent of all the fresh citrus in the United States, said Brian Suh, director of technology commercialization in UCR's Office of Technology Partnerships, which helps bring university technology to market for the benefit of society through licenses, partnerships, and startup companies.

"This license to Invaio opens up the opportunity for a product to get to market faster," Suh said. "Cutting edge research from UCR, like the peptide identified by Dr. Jin, has a tremendous amount of commercial potential and can transform the trajectory of real-world problems with these innovative solutions.'

This article, authored by Jules Bernstein, was originally published on the UC Riverside news page located at https://news.ucr.edu/



The Asian citrus psyllid, pictured here, spreads the bacterium that causes Citrus Greening Disease. (Photo: Mike Lewis, UCR)







Business Books to Add to Your Reading List

Summer reading lists aren't just for those in school. Taking the time to read books on business, and even

books on other topics can help with both your personal and professional growth. Check out these summer reading recommendations from other landscape pros.

For Mason Shaffer, senior garden designer with Blanchford Landscape Group, Audible.com has been a game-changer. He says he's always listening to books while driving to jobsites.

"Taking the time to read books on business, and even books on other topics can help with both your personal and professional growth."

be more in touch with myself and to get to the root of what's bothering me when something is wrong. And then

you really do need to stop worrying about the things you can't change. That may be cliché but it's so true. Honestly, what's the worst thing that could happen? You usually learn that what you spend time worrying about is 10 times worse than what actually happens. And even when the 'worst' does happen, it's usually not as bad as we imagine it." – Scott Fullerton, Fullerton Grounds Maintenance

Some of his top picks include *The Magic of Thinking Big* by David. J. Schwartz, *Mindset: The New Psychology of Success* by Carol S. Dweck, *Start with Why* by Simon Sinek and *Extreme Ownership* by Jocko Willink and Leif Babin.

Here are some other titles landscape professionals have enjoyed reading.

How to Stop Worrying and Start Living

"My favorite book is *How to Stop Worrying and Start Living* by Dale Carnegie. It's not necessarily even all business-related but is very apropos for business owners. It's hard to find balance in life. For me, a takeaway was to

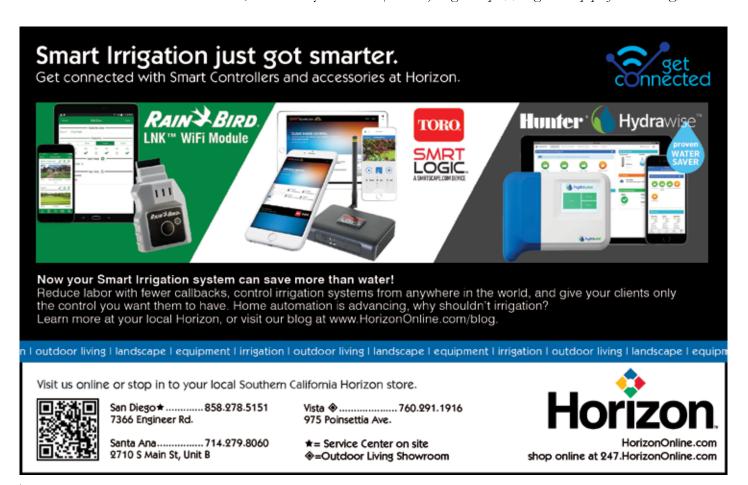
Option B

"Option B by Sheryl Sandberg and Adam Grant. This book is my life. Having a life-altering event pushed me in a totally unforeseen direction." — H. Jaclyn Ishimaru-Gachina, Gachina Landscape Management

Necessary Endings

"It's probably *Necessary Endings* by Dr. Henry Cloud. I really enjoy that book and think there are many lessons to be taken from it." – *Brigitte Orrick, The Davey Tree Expert Co.*

This article was excerpted from the original, authored by Jill Odom, published on the National Association of Landscape Professionals (NALP) blog at https://blog.landscapeprofessionals.org/





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San Diego Chapter **Member Milestones**

Congratulations to the following companies for reaching membership milestones this month.

21 Year Member

McKowski's Maintenance Systems

20 Year Member

Hybrid Landscape Maintenance & Design

17 Year Member

Briggs Tree Company

16 Year Members

Horn Preston Landscape **LandGraphics**

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Rappoport Development Consulting Services

10 Year Member

Landscape One

9 Year Member

Tierra Data

6 Year Member

Barrels and Branches

5 Year Member

South Coast Wholesale

4 Year Members

A & G Tree Company

3 Year Member

Soil Retention Products

1 Year Members

Wild West Landscaping RDO Equipment

Southwest Environments Landscape Services Burgio Landscape Services

L. Watson Landscape Design

New Modules Allow Remote Management of ACC2 Controllers via Cellular Connection

New A2C-LTE and A2C-CELL-E modules from Hunter Industries enable Centralus™ cloud management for ACC2 controllers via cellular technology.

These simple, compact cellular kits are easy to install and set up. They provide near instant connectivity to enable a suite of remote irrigation control capabilities.



"The modules allow manage to ACC2 controllers

from a cell phone when no internet connection is present," said Dave Shoup, Senior Product Manager. "These capabilities reduce the need for costly and timeconsuming site visits."

With Centralus, users can receive SMS text alerts in the event of critical alarms, view complete alarm logs and flow histories in a web browser, and adjust, stop, or cancel programmed irrigation as required.

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Preventing Heat-Related Illness

Helpful tips for beating the summer heat provided by CLCA Insurance Solutions License 0172721

Summer heat can be more than uncomfortable; it can be a threat to your health. Unfortunately, you do not have much of a choice when it comes to the job site. Follow these tips to stay safe in the searing heat.

Heat Exhaustion

Heat exhaustion occurs when a person cannot sweat enough to cool the body—usually the result of not drinking enough fluids during hot weather. Symptoms include:

- Dizziness, weakness, nausea, headache, and vomiting
- Blurry vision
- Body temperature rising to 101° F
- Sweaty skin
- Feeling hot and thirsty
- Difficulty speaking

A person suffering from heat exhaustion must move to a cool place and drink plenty of water to avoid a more severe heat-related condition—heat stroke.

Heat syncope is fainting or dizziness that occurs from prolonged standing in hot weather. Avoid this by staying hydrated throughout the workday, even if you don't feel thirsty.

Heat Stroke

Heat stroke is the result of untreated heat exhaustion. Symptoms include:

- Sweating stops
- Unawareness of thirst and heat
- Body temperature rising rapidly to above 101° F
- Confusion or delirium
- Possible loss of consciousness or seizure

Heat stroke is a serious medical emergency that must be treated quickly by a trained professional. Until help arrives, cool the person down by placing ice on the neck, armpits, and groin. If the person is awake and able to swallow, have them drink a small glass of water every 15 minutes or until help arrives.

Tips for Staying Cool

The combination of heat and humidity in the summer months can be downright uncomfortable and even dangerous. Stay cool by following these safety tips:

- Drink plenty of water—enough water to quench your thirst. The average adult needs eight 8-ounce glasses of water a day, and even more during hot weather.
- Skip the caffeine and soda; drink water instead.
- Dress for the weather. When outside, wear lightweight clothing of natural fabric and a wellventilated hat.
- Eat light. Replace heavy or hot meals with lighter, refreshing foods. And always eat smaller meals before work or intense activity.

This article is for informational purposes only and is not intended as medical or legal advice.

David Diehl

Product Consultant Licensed P.C.A.

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Thank you to the following Life Members for their continued support of the association.

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