

LAS VEGAS GETS GREENER!

GREENER BUSINESS | GREENER CULTURE | GREENER COMMUNITY

RENUOIL OF AMERICA
CREATES WASTE & RECYCLING PROGRAMS THAT MAKE A
GREENER & STRONGER
LAS VEGAS!



Las Vegas can welcome all visitors with peace of mind knowing they can use the waste tourists generate to help Las Vegas communities have greener landscapes while saving water.



Food waste piles, like the one pictured above, will become a thing of the past when food waste is captured at the point of generation and reduced by 95% in a few hours.



Food waste that is gasified becomes Biochar which mixes great as a soil amendment. Biochar is proven to reduce water consumption along with the need for chemical pest controls & fertilizers.

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www.GoGreenwithRENUoil.com

You can't spell
CHALLENGE
Without **CHANGE**

**IT'S TIME
FOR A CHANGE
LAS VEGAS!**

RENUoil of America is poised to take advantage of the food waste crisis in Las Vegas. They will use this innovative food waste solution to create a domino effect of benefits for Las Vegas hospitality, businesses, schools, the local community and more.

In the following pages you will see how RENUoil of America has figured out the connection between organic waste, soil depletion, water use and using the materials we waste to solve those issues opposed to dumping them in the landfill.

RENUoil of America has a goal to implement a Biochar organic waste processing system that will work together with our Eco-system to help offset climate change while reducing food & other organic waste generated on or near the Las Vegas strip by 95% in a matter of hours. The output material is Biochar; proven to be the best material known to sequester carbon, creates healthy soils while cutting water use by 50%!



HOW CAN WE SAVE WATER AND STILL SHOW LOVE TO THE LANDSCAPE OF LAS VEGAS?



'NO ONE CAN DO EVERYTHING BUT EVERYONE CAN DO SOMETHING!'

It's a well known fact that the Las Vegas valley is in a water crisis emergency.

Lake Powell and Lake Mead are looking at closures as early as January 2020 if we don't start coming up with better water use options for our businesses and communities that are served by these watersheds.

Through RENUoil of America's desire to better serve The Las Vegas valley, this has led to years of constant searching to find best practices when it comes to handling recycling materials and organic waste especially.

Now with the cut back in over sea's mills, recycling materials have lost value. This makes it

even more difficult for local businesses to survive while trying to continue recycling within their company. If there are no recycling services to support those efforts, what happens next?

That's why RENUoil of America believes we can benefit our local community by reusing waste materials while conserving water. We need your support to make this

Photo from pilot program at a So Cal HS sports field shows traditional maintenance on the right and biochar added to the soil mix on the left. The left side used 50% less water, yielded healthier grass, required less mowing, less chemical pest controls & fertilizers!





THE FUTURE WATER SUPPLY OF LAS VEGAS

The Colorado river's low water levels will most likely force water shortages in Arizona, Nevada, and Mexico by 2020. Currently Lake Powell and Lake Mead are 50% full & the future of these lakes is not promising. This has watershed officials looking at options for reducing water consumption now before it's too late!

ORGANIC WASTE ON THE STRIP

Organic waste is **not** waste; it's feedstock for Biochar waste processing systems that reduces **ANY** organic waste material by 95% in a matter of hours.

The output material is valuable Biochar. This nutrient material that has a variety of benefits; especially when it comes to water reduction which is a big goal for Las Vegas.



KEEP IT HERE & USE IT HERE

What if the organic waste that happens in Vegas, stays in Vegas? Food waste can help local businesses, that generate these materials, save water on their landscaping costs and more. When venues use 100% compostable food & beverage containers, it captures the entire waste stream as feedstock not trash! This can be accomplished just by changing the way organic waste is processed on the strip.

SUPPORTING GROWTH ON OR NEAR THE STRIP

Las Vegas loves sports! The new Golden Knights hockey team is awesome and now here come The Las Vegas Raiders! With our new sports attractions comes more tourism dollars to support our community, but this also means more waste to be handled and processed regionally. By implementing a Biochar organic waste system, **RENU**oil of America will be able to increase collections to support the additional generation of organic waste & recycling materials generated.



WHAT IS BIOCHAR?

BIOCHAR IS NOT NEW BUT YOU MIGHT SAY THE BENEFITS ARE BEING REDISCOVERED. THERE IS PLENTY OF PROOF IT WORKS & WE ENCOURAGE EVERYONE TO CHECK IT OUT. BELOW ARE SOME OF THE DEFINITIONS WE FOUND.



Merriam/Webster Dictionary

A form of charcoal that is produced by exposing the organic waste matter such as wood chips, crop residue or manure to heat in a low oxygen environment and that is used especially as a soil amendment. "The U.S. could convert huge amounts of logging and agricultural leftovers into Biochar and even grow crops just for that purpose." *Josh Harkinson, Mother Jones, Nov/Dec 2008*



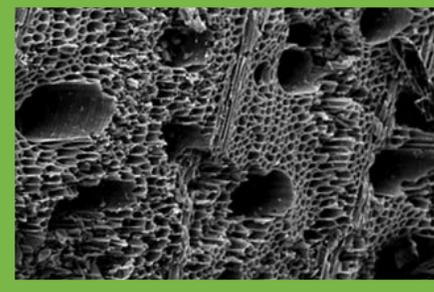
Oxford Dictionary

Charcoal Produced from plant matter and stored in the soil as a means of removing carbon dioxide from the atmosphere.

Biochar International

This 2000 year old practice converts agricultural waste into a soil enhancer that can hold carbon, boost food security and increase soil biodiversity and discourage deforestation.

The process creates a fine-grained, highly porous charcoal that helps soils retain nutrients and water. Biochar is found in soils around the world as a result of vegetation fires and historic soil management practices. Intensive study of Biochar-rich dark earths in the Amazon (Terra Preta) has led to a wider appreciation of Biochar's unique properties as a soil enhancer. Biochar can be an important tool to increase food security and cropland diversity in areas with severely depleted soils, scarce organic resources and inadequate water and chemical fertilizer supplies. Biochar also improves water quality and quantity by increasing soil retention of nutrients and agrochemicals for plant and crop utilization. More nutrients stay in the soil instead of leaching into groundwater causing pollution.

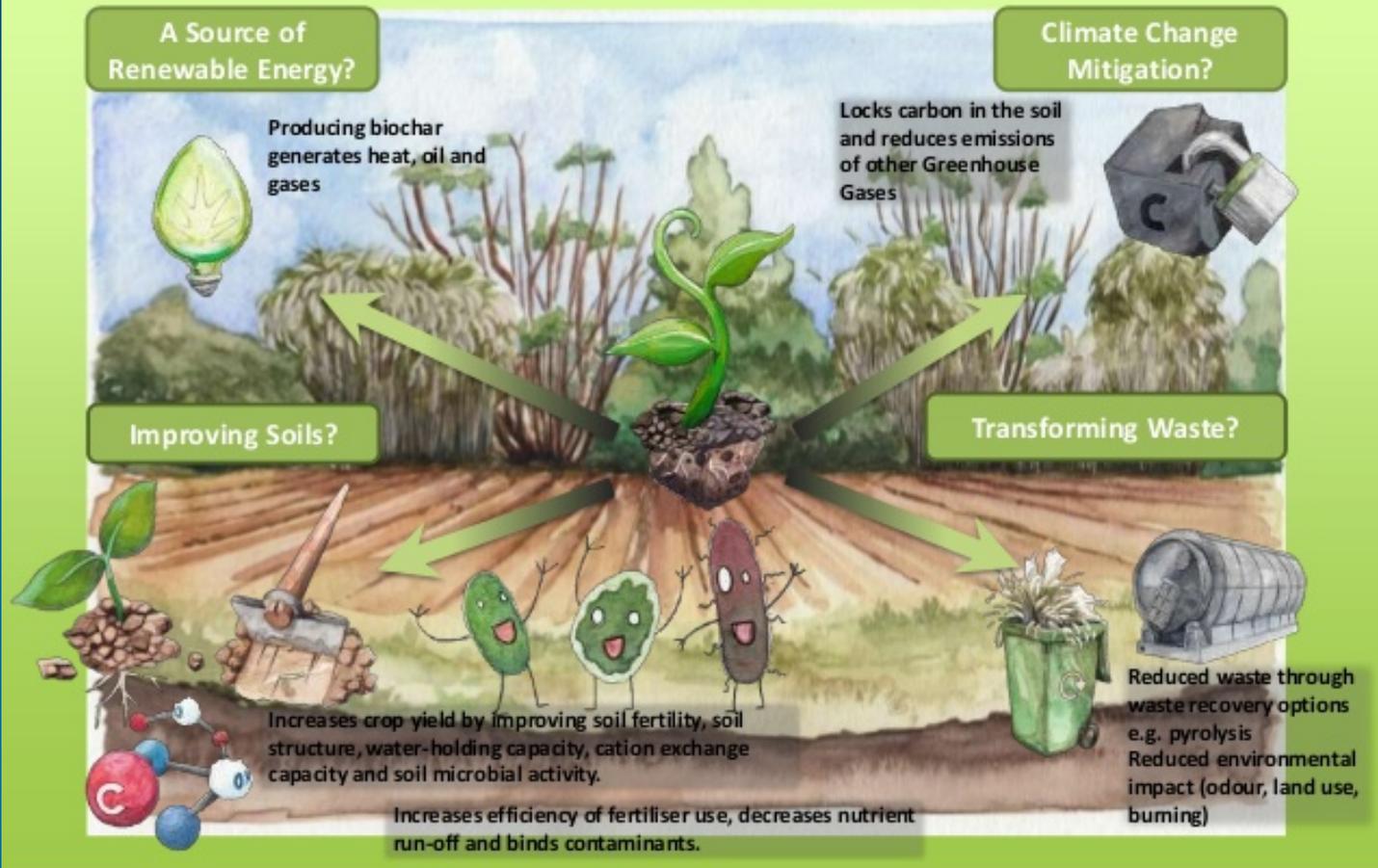


Maximum Yield Organic Gardening Website

"Biochar is charcoal that is used as a soil conditioner. It is rich in carbon, stable, and can last in soil for thousands of years. It is created when organic matter is burned slowly and then stopped when the material reaches the charcoal stage. Biochar, when used in combination with compost and other fertilizers can dramatically improve plant growth. Biochar can also help add and retain nutrients in seriously depleted soils.



The Potential Benefits of Biochar



Biochar Works!

BMF Biochar Increases Lettuce Biomass

(23 Days After Germination)



Control 0% Biochar

40% Biochar (v/v)



EARTHCARE, LLC.
BIOCHAR ORGANIC WASTE
PROCESSING SYSTEMS ARE THE
ANSWER TO LAS VEGAS' FOOD
WASTE ISSUES & SO MUCH MORE!

RENUoil of America does a lot more than just oil!

By implementing the EarthCare/Coaltec Biochar organic waste system, **RENU**oil of America will be able to expand needed services for collecting food waste while reducing operational costs.



The Biochar output material offers additional revenue opportunities for building high nutrient soil amendments and more. Biochar material been repeatedly proven to sequester carbon while dramatically reducing water consumption along with the need for chemical pest controls and fertilizers on landscapes.

This program model also fits the requests of large casino resort properties who want Green Key and LEED credits for their properties. It's been proven that water will only become more precious, especially in this region. Starting these programs now will benefit local communities while allowing **RENU**oil of America to be the most sustainable option for processing food and organic waste in Las Vegas.

