Carbon Drawdown Solutions Presents The many benefits of bamboo

Prepare to



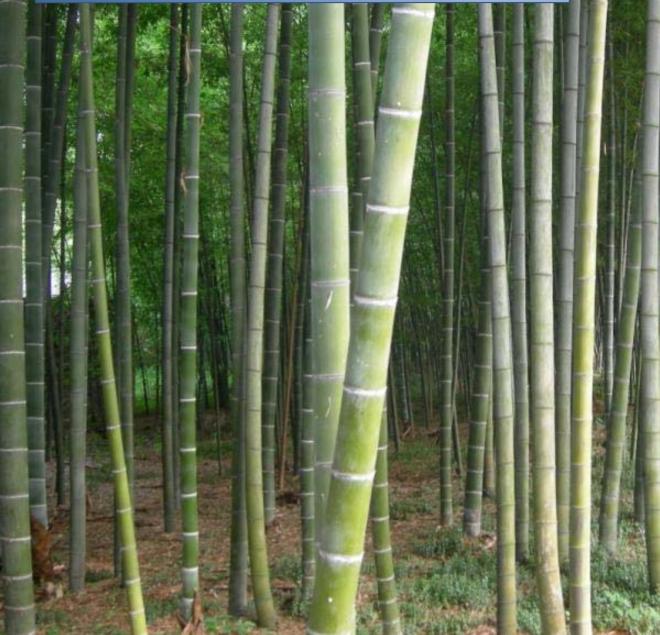
Fall in love

新品格

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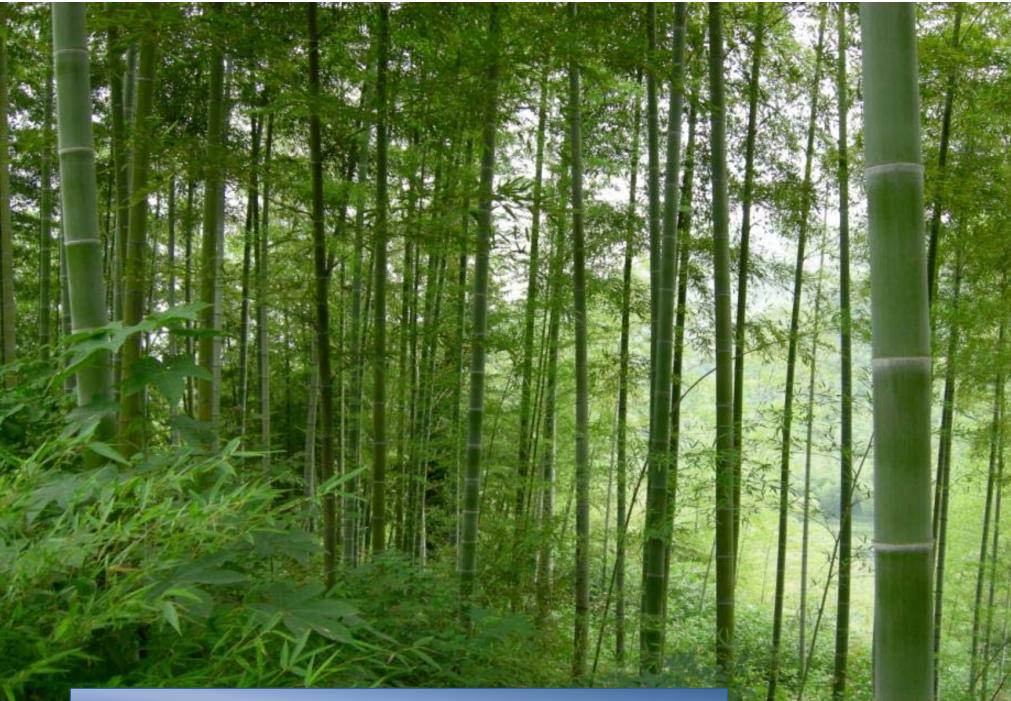
With a gift from Nature



And a climate change hero

It regreens the earth

The plant matures in 5 years



20% of the plant is harvested every year thereafte



It controls erosion along rivers & on steep hills

It is a *pioneer plant*

Photo from Maui

Which means it will turn poor soil

Into rich soil – see earthworm castings

These photos are from Vietnam only 4 years after planting!

It establishes w/o herbicides -photo from Maui

By out growing its neighbors photo from Maui

5 years later - photo from Maui

It creates a nice understory

Photo from Maui



Bamboo stands moderate water cycles and Maui's are in trouble!



It yields nearly 1 ton/ha food from routine thinning = a new Maui grown food

Only the <u>*Clumping*</u> kinds are used commercially

Photo from Big Island

No worries about runaway bamboo!

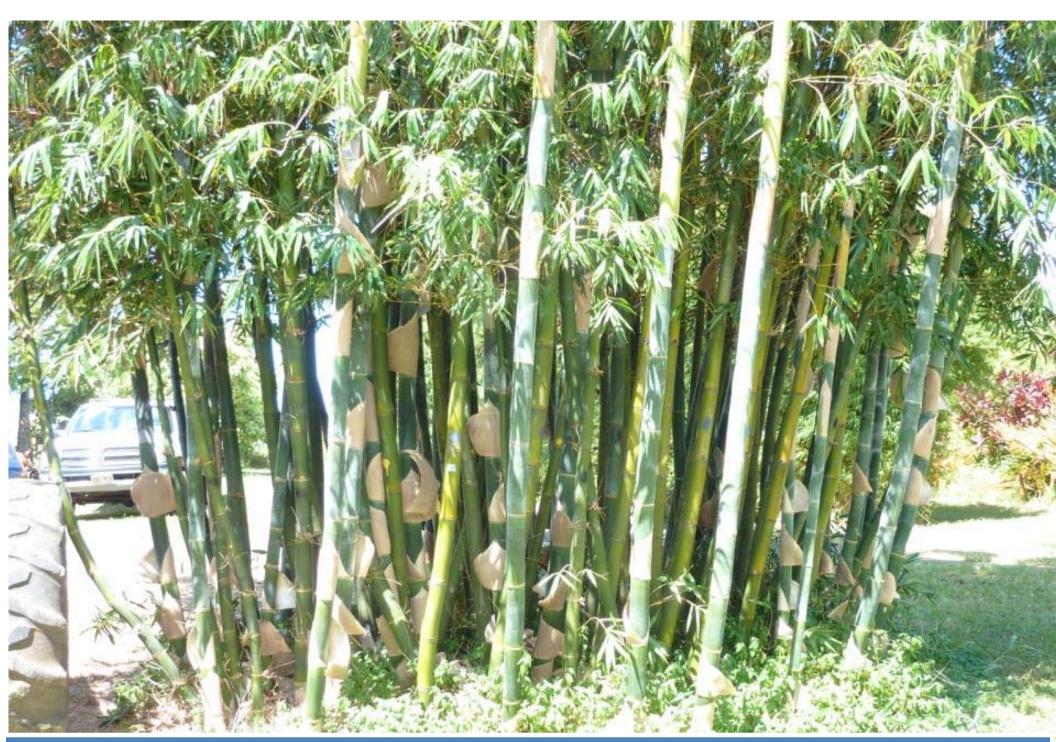
Photo from Maui

Only 3-4 yr old culms are harvested

Photo from Maui

Leaving the bulk of the plant to protect the surrounding eco-system

This avoids erosion



106 culms on this **6** year old plant on Maui - Whispering Winds Bamboo

Now that's real Biomass!



Bamboo is amazing!



It's impressive!

Biomass for biochar and building products!

And bamboo sequesters large volumes of CO2



Bamboo sequesters Every year In every hectare...



20 tons of CO2/Ha/yr in the soil

40 tons of CO2/Ha/yr in the rhizomes

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31 tons CO2/ha/yr in BioChar

Or 50 ton/Ha CO2e captured in building materials like this OSB

That is an amazing 130 tons CO2/ha/yr either sequestered or avoided from growing bamboo as a biomass crop!

Bamboo turns scenes like this

Into scenes like this!

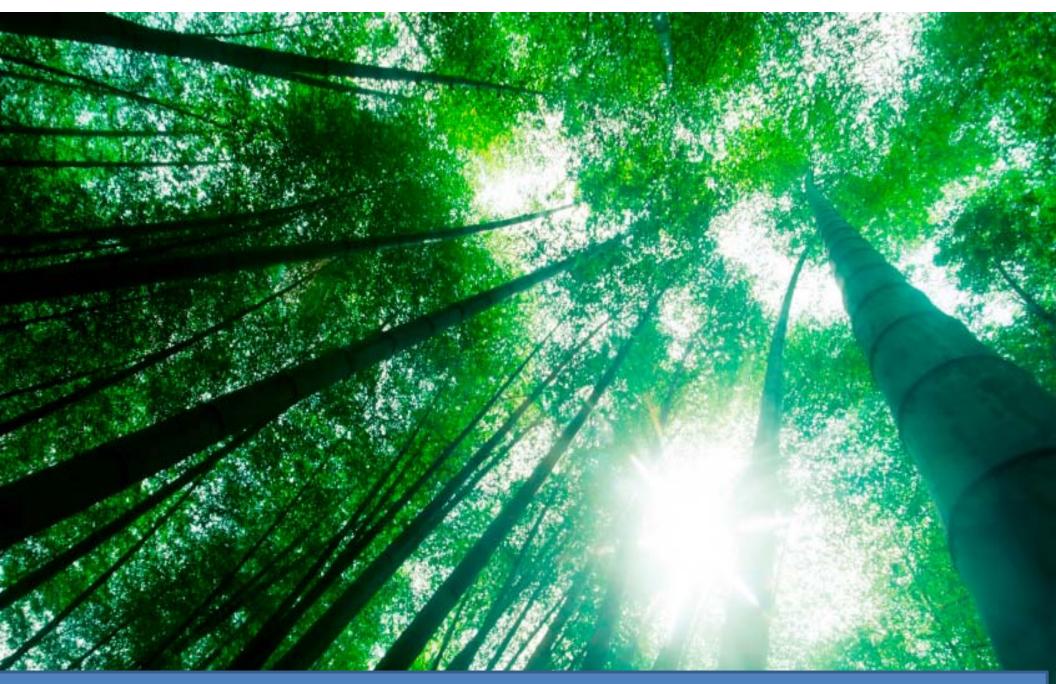
The United Nations has proven

that bamboo can restore depleted soil....

Good for the environment Good for small farmers Good for carbon sequestration



A house on Maui that you could each visit in Iao Valley



Bamboo, the renewable biomass of choice! Carbon Drawdown Solutions, Inc.

CARE Committee

From:	Axel I. Beers
Sent:	Tuesday, February 1, 2022 3:46 PM
То:	CARE Committee
Cc:	Kelly King
Subject:	CARE-11 Presentation to Feb. 2 CARE Committee
Attachments:	For Env. Comm.ppsx

Aloha, CARE Committee staff.

Sending this in a separate email. Please see the attached Powerpoint presentation from Char O'Brien regarding CARE-11.

Thank you, Axel



Axel Beers, Executive Assistant Office of Councilmember Kelly T. King South Maui Residency Office: 808.270.8018 200 South High Street, 8th Floor Wailuku, HI 96793

http://mauicounty.us/

Now is the time to provide input to update the South Maui Community Plan! <u>https://southmaui.wearemaui.org/get-involved/</u>

