### Garden Planet Biochar bio- active soil enhancer

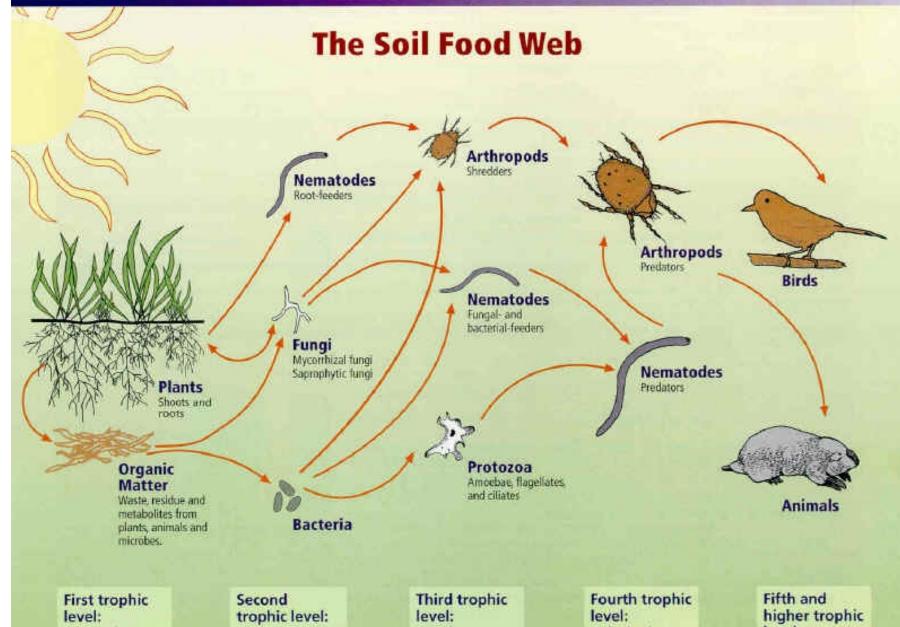
### Biochar

 This could be a key stone technology in the fight against climate change

It offers food security, stable soils

Needs to be made accessible to all people





Photosynthesizers

Decomposers Mutualists Pathogens, parasites Root-feeders

Shredders Predators Grazers

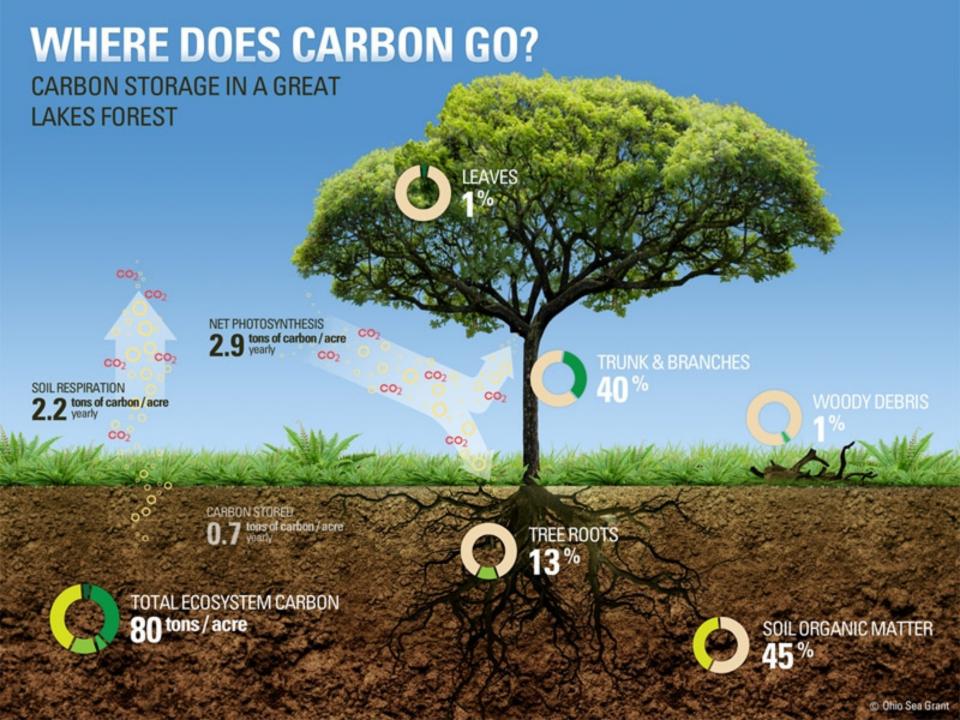
Higher level predators

### levels:

Higher level predators





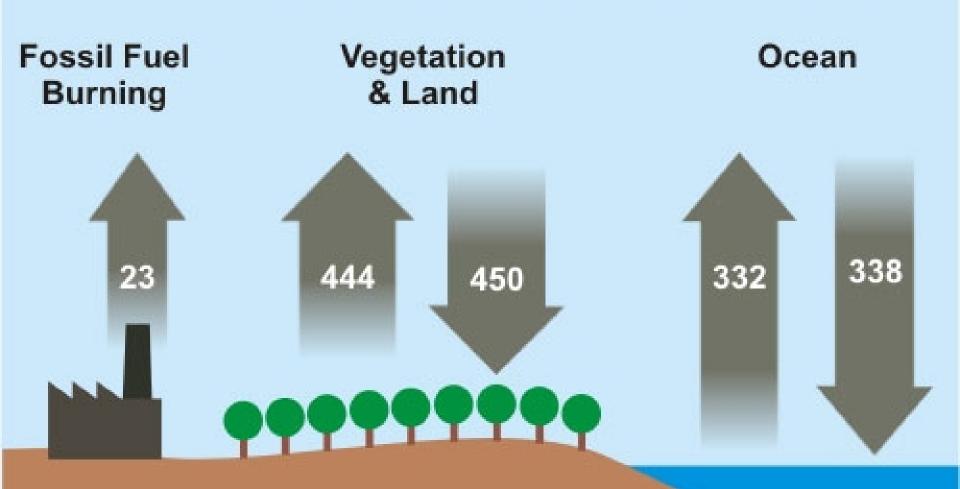




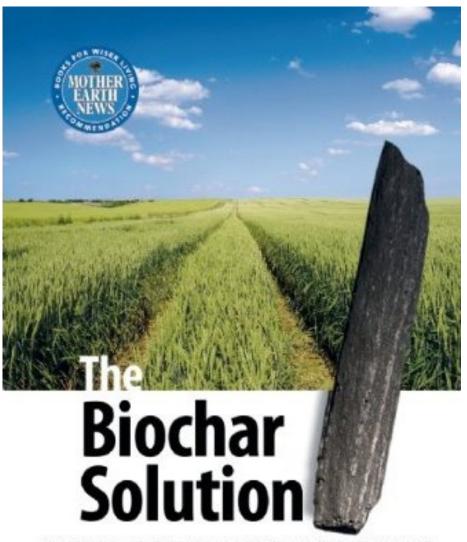




#### The complete picture of the carbon cycle



Carbon cycle for the 1990s. Numbers are in billion tonnes of CO2 (IPCC AR4).



CARBON FARMING AND CLIMATE CHANGE

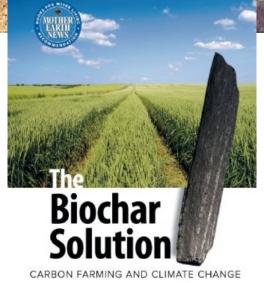


# Astonishing break through - Major rethink

- Large parts of Amazon rainforest is maybe only 500 years old
- Could be said to be man made
- Stable fertile black soils... rich in carbon
- Maybe the most sophisticated farmers ever
- Could be the most important breakthrough empowering all people to make a change

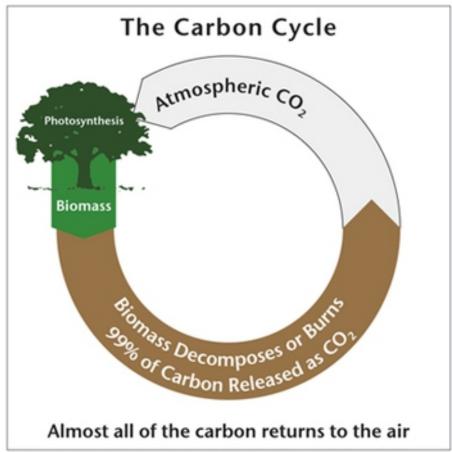


### Terra preta

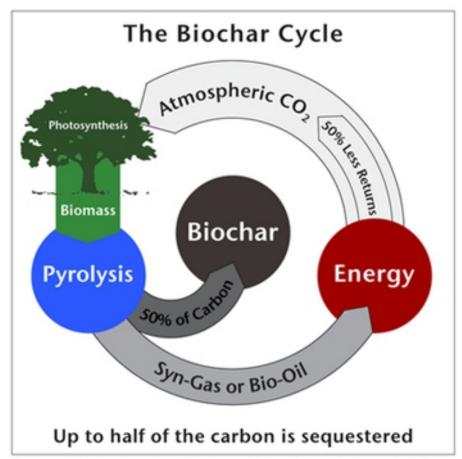


**ALBERT BATES** 



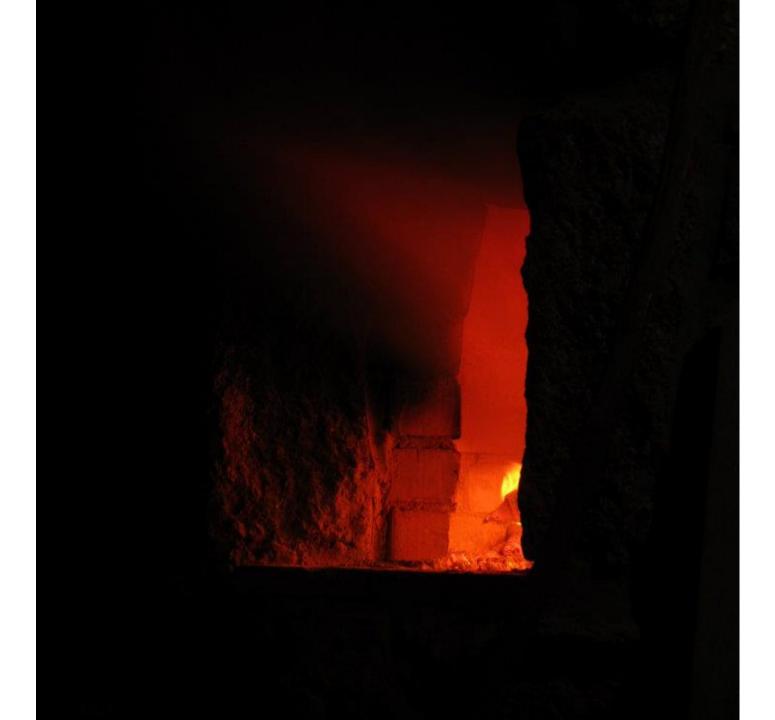


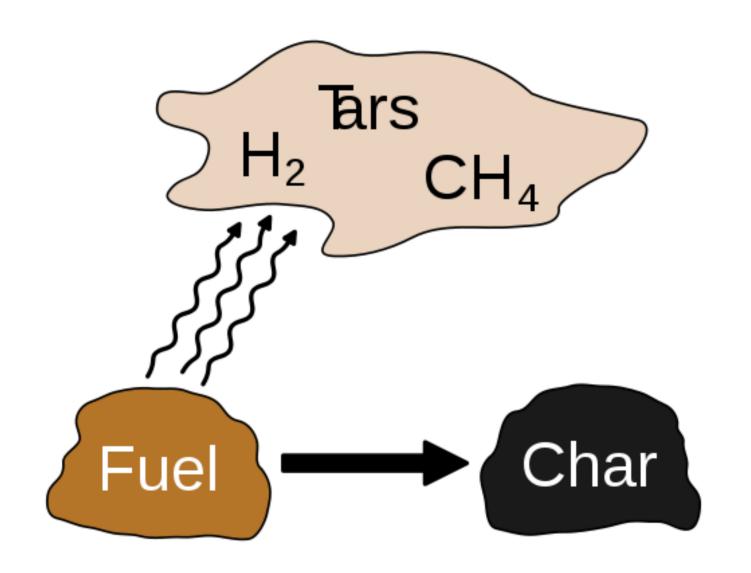
Green plants remove CO<sub>2</sub> from the atmophere via photosynthesis and convert it into biomass. Virtually all of that carbon is returned to the atmosphere when plants die and decay, or immediately if the biomass is burned as a renewable substitute for fossil fuels.



Green plants remove CO<sub>2</sub> from the atmophere via photosynthesis and convert it into biomass. Up to half of that carbon is removed and sequestered as biochar, while the other half is converted to renewable energy co-products before being returned to the atmosphere.





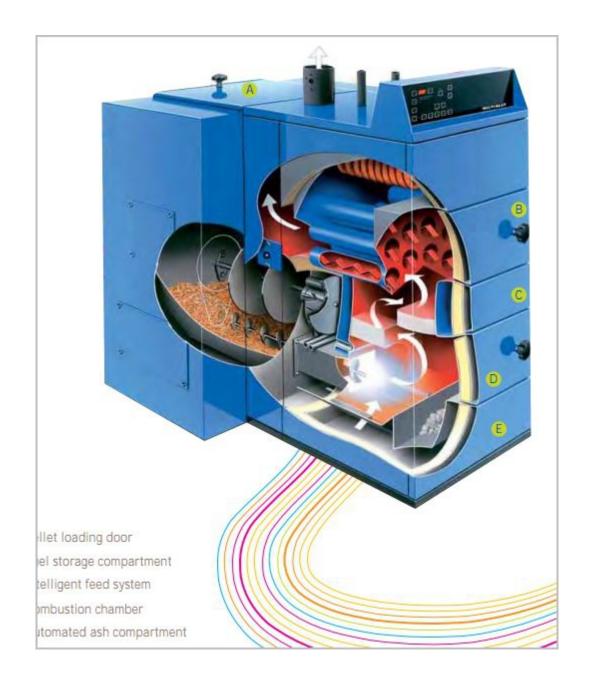


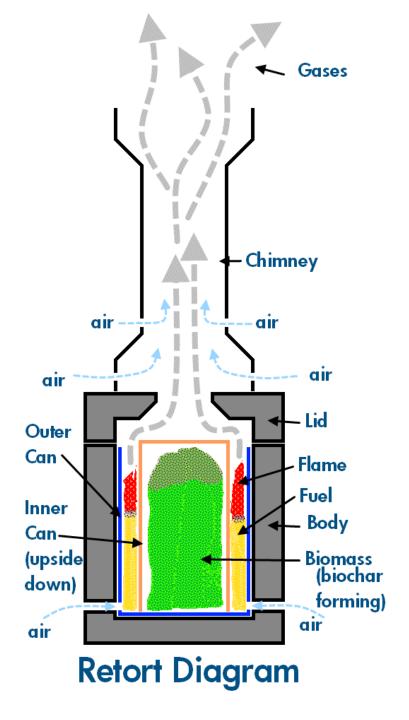


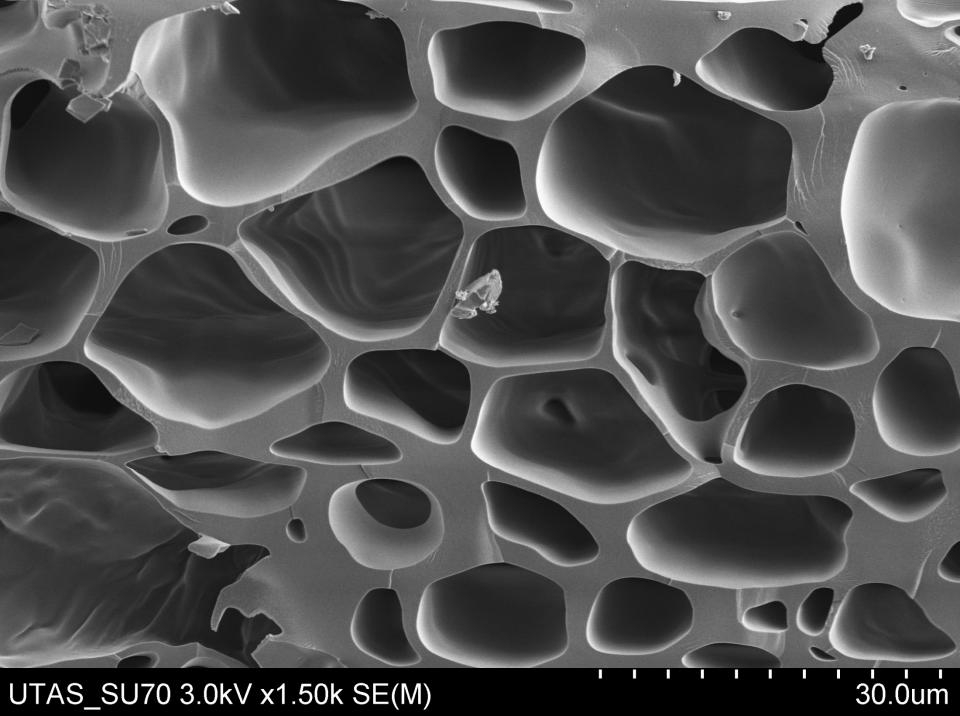


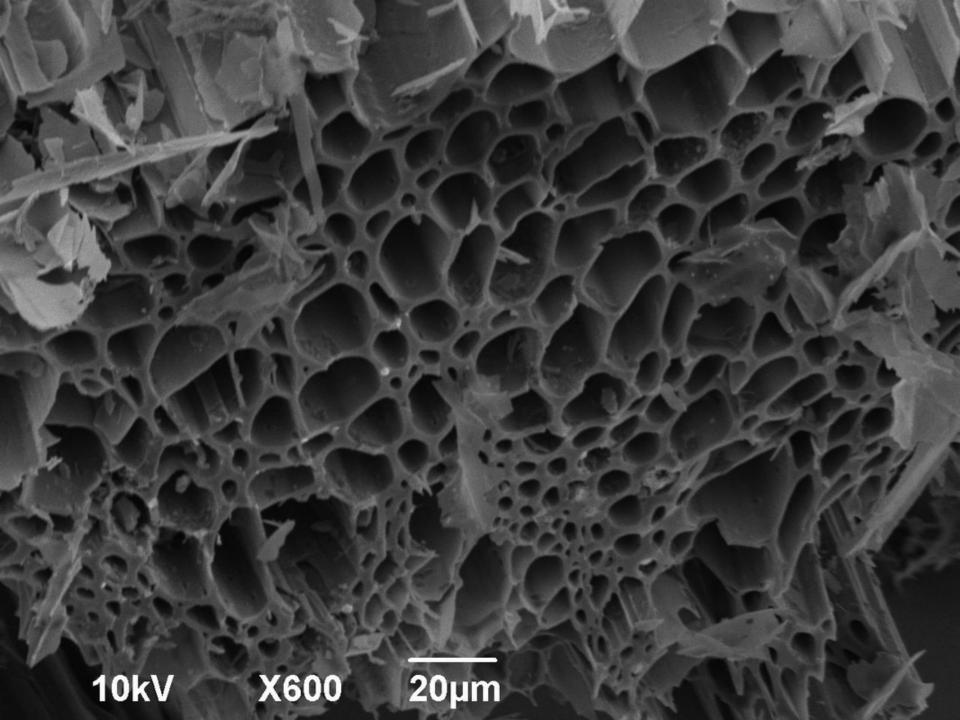


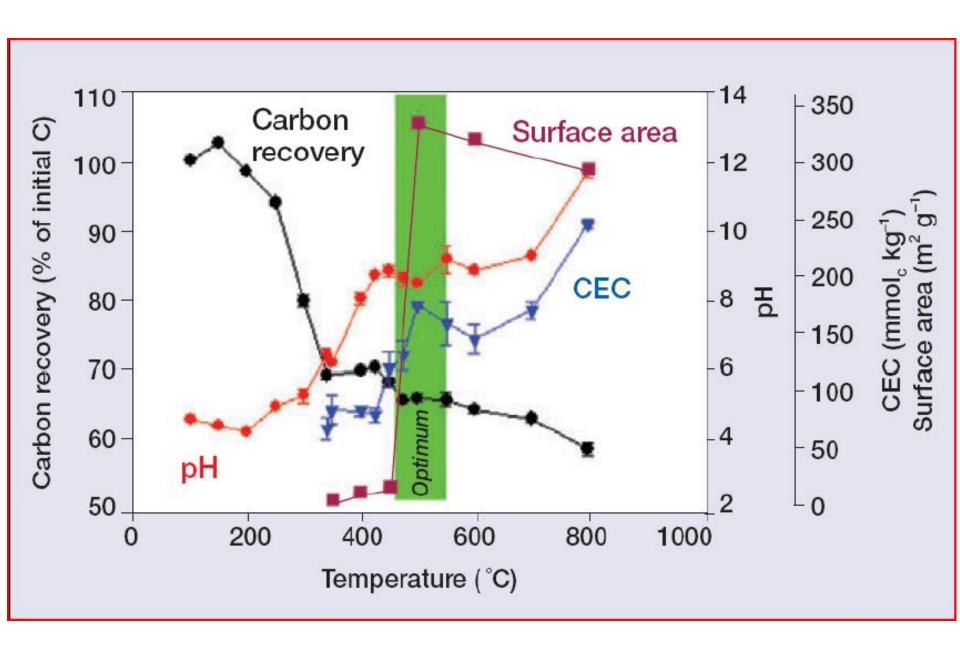
















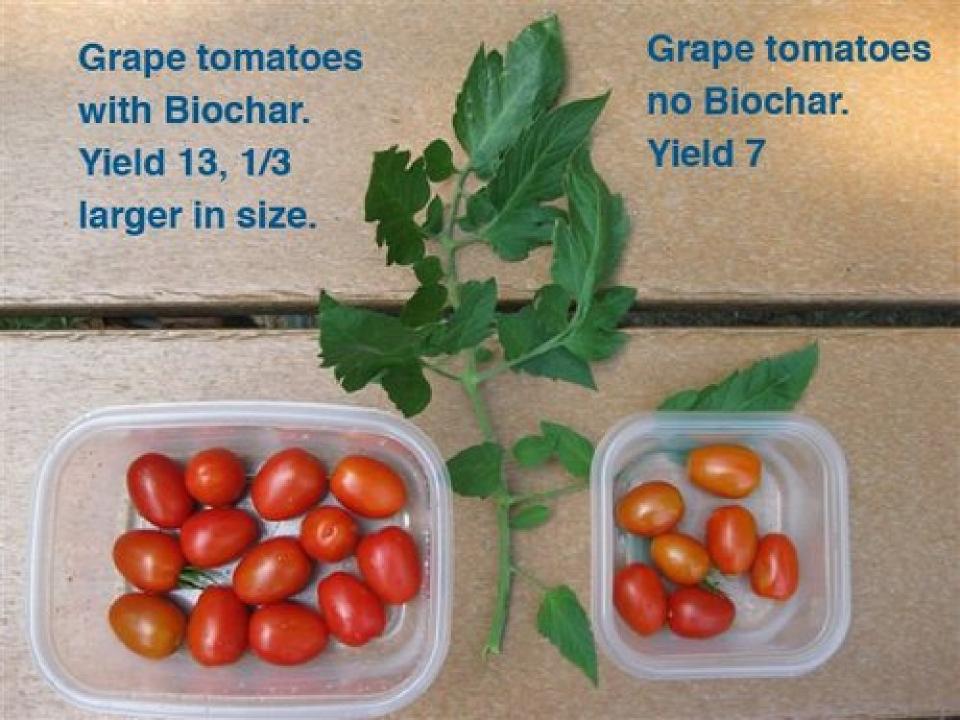




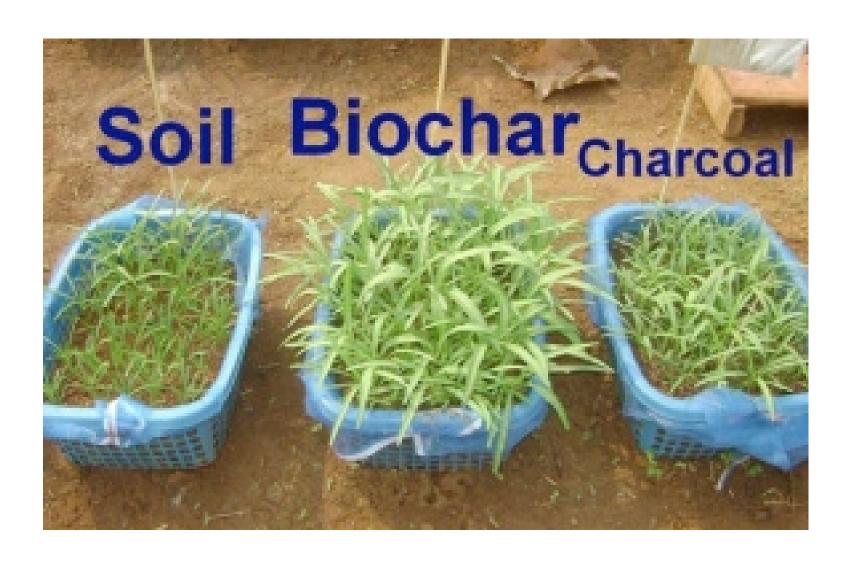








### Grass trials



## Lettuce biomass increased by as much as 75%

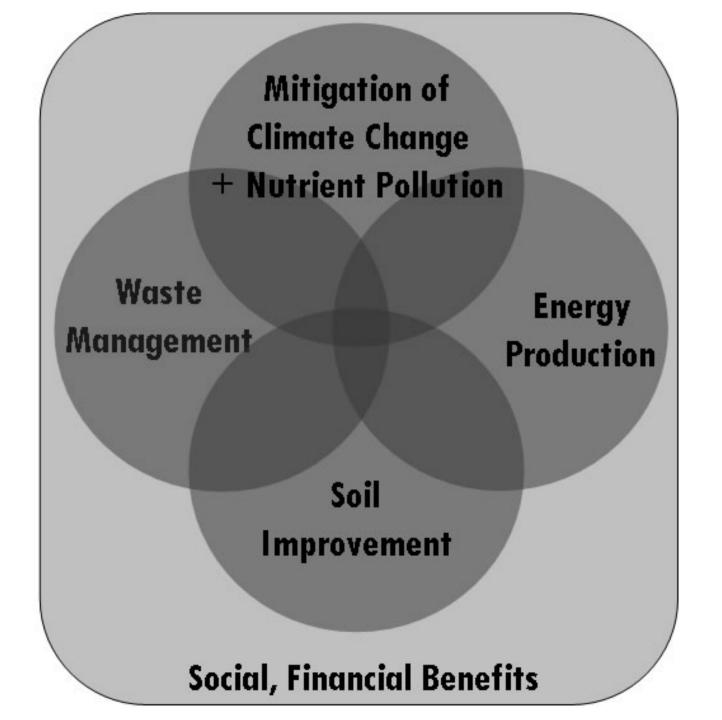


### Bio active

- Soil reef
- Biological factory

### Increases crop yields!

- Increases water retention
- Increases nutrient availability
- Increases micro biotic activity
- Healthier, more disease resistant plants
- Can increase yields by as much as 75%



### Our Unique qualities

- Clean burn
- Small batches
- Quality product
- Mobile production
- Community benefit
- Our own inoculant
- Ethical and sustainable

### Who are we?

- Small family farmers
- Teachers and educators
- Community growers
- Mid Wales
- Committed to organic principles and working for a social benefit

### Social benefit

- Work with community garden projects
- Turn 'waste products' into valuable resource
- Supports local food growing
- Small scale localised production
- Educational workshops and demonstrations

### Our business

- We have bookings for demonstrations and teaching
- Potential to locate our business on a new community owned farm in North wales
- Access to materials
- Unlimited potential!

### The ask

Get us out of our shed!

- We need to get mobile
- Marketing resources
- Product, packaging, distribution
- Hone our production techniques
- Be ready for the big opportunities awaiting us and our product

2.5KG

