

~~SUSTAIN?~~  
REGENERATE

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**WHAT IS COMPOST?**

**DEGENERATIVE**  
**SUSTAINABLE**  
**REGENERATIVE**

"We can't solve problems by using the

**SAME KIND  
OF THINKING**

we used when we created them."

- Albert Einstein

# DEGENERATIVE

ECOSYSTEM CARRYING CAPACITY

TIME IN PRODUCTION



# SUSTAINABLE

ECOSYSTEM CARRYING CAPACITY



TIME IN PRODUCTION



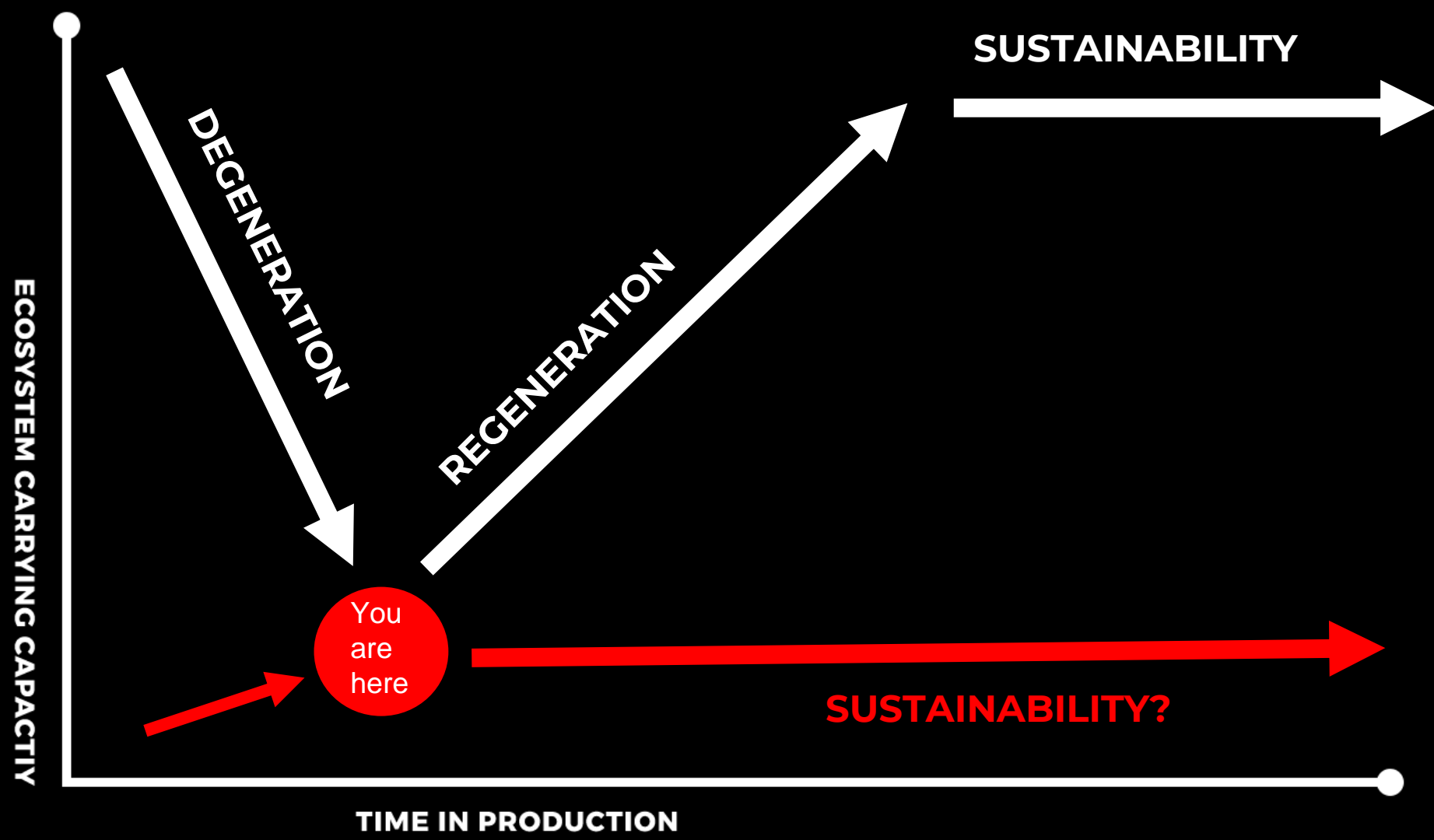
# REGENERATIVE

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GROUND

ECOSYSTEM CARRYING CAPACITY



TIME IN PRODUCTION



SUSTAINABILITY

DEGENERATION

REGENERATION

You are here

SUSTAINABILITY?

ECOSYSTEM CARRYING CAPACITY

TIME IN PRODUCTION





**DEGENERATIVE**

**SUSTAINABLE**

**REGENERATIVE**

# SOIL FORMATION



# Where Does A Tree Come From?

# Trees + Plants Built From Thin Air



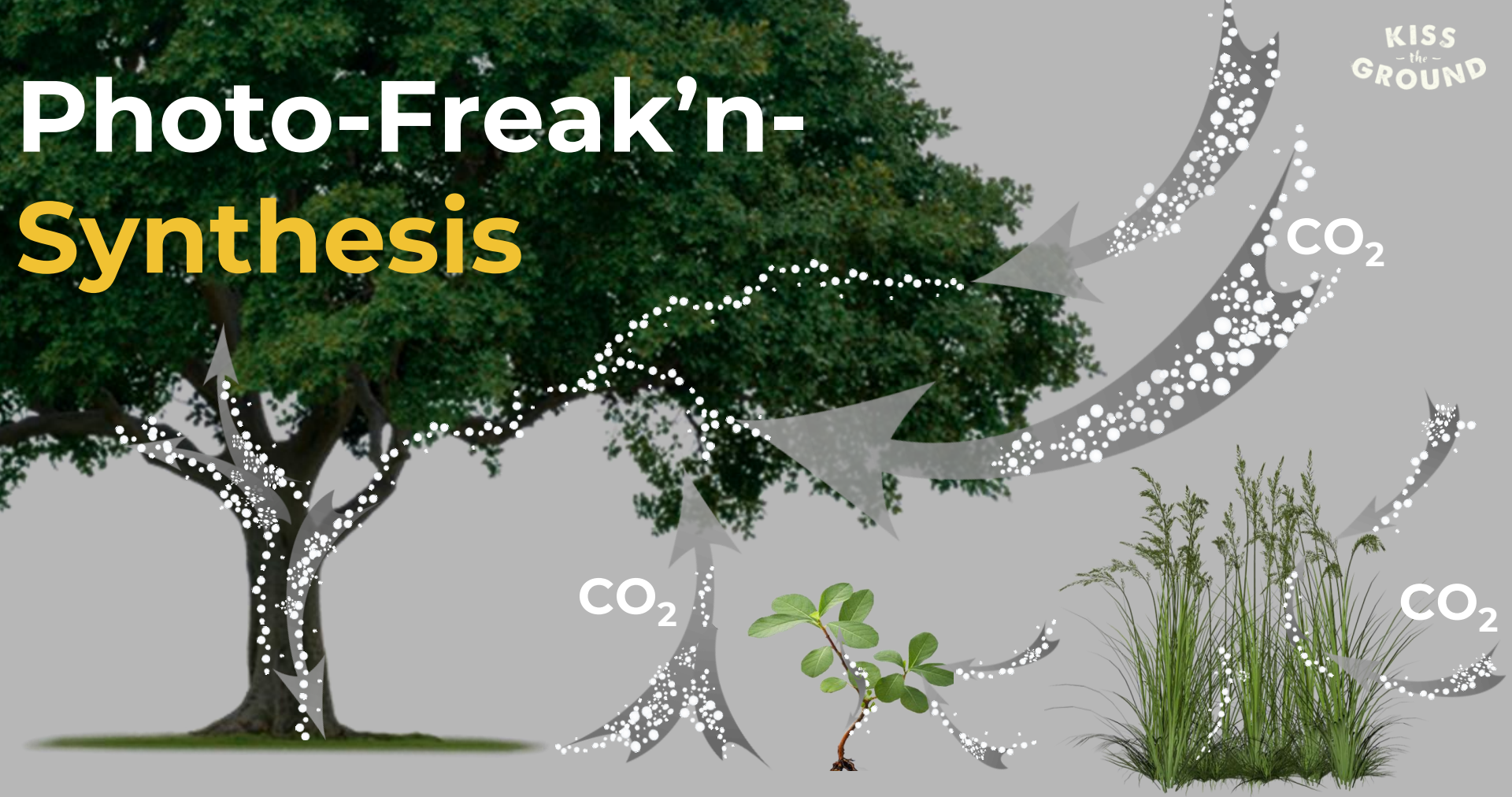
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CO<sub>2</sub>

CO<sub>2</sub>

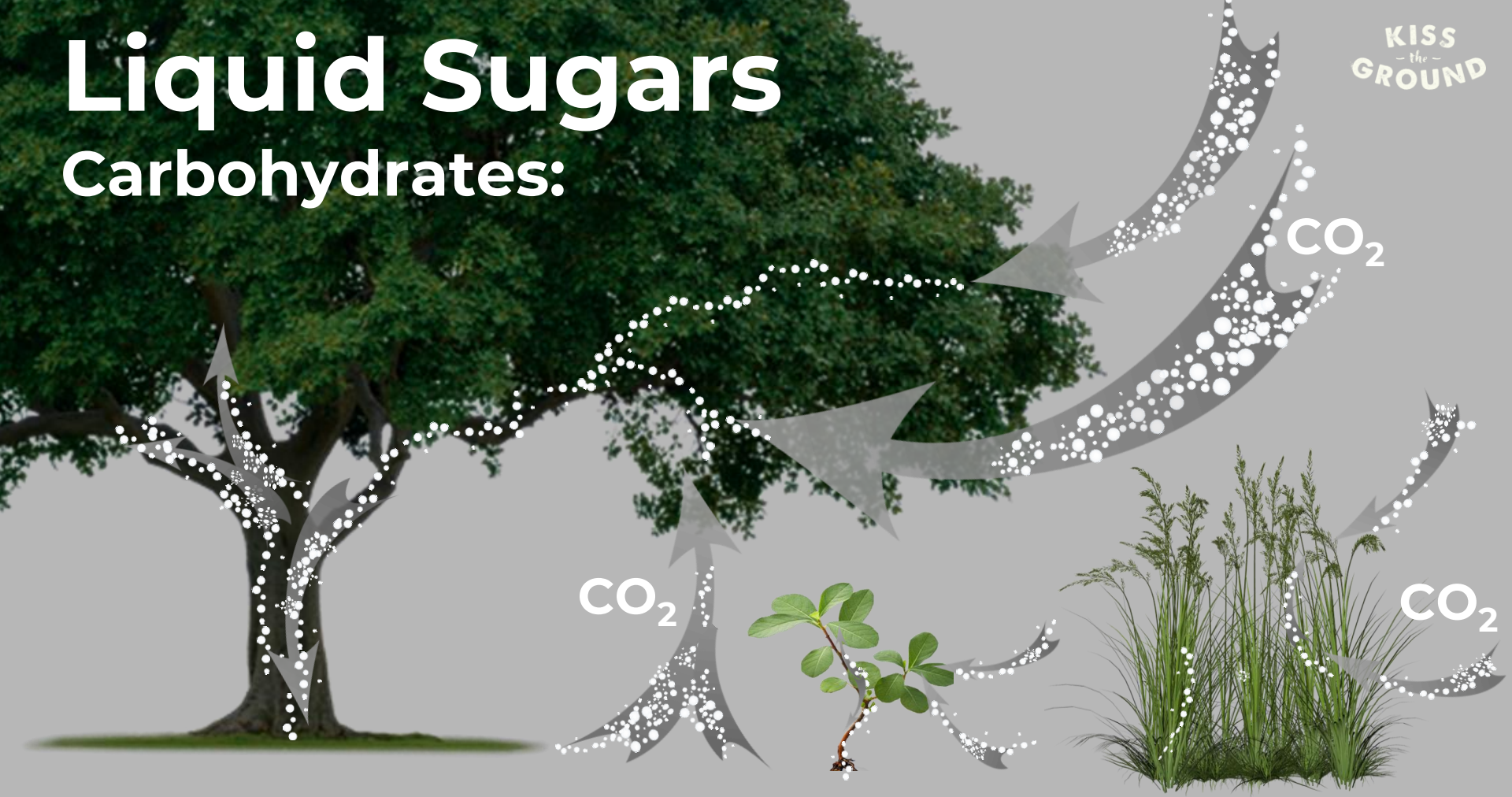
CO<sub>2</sub>

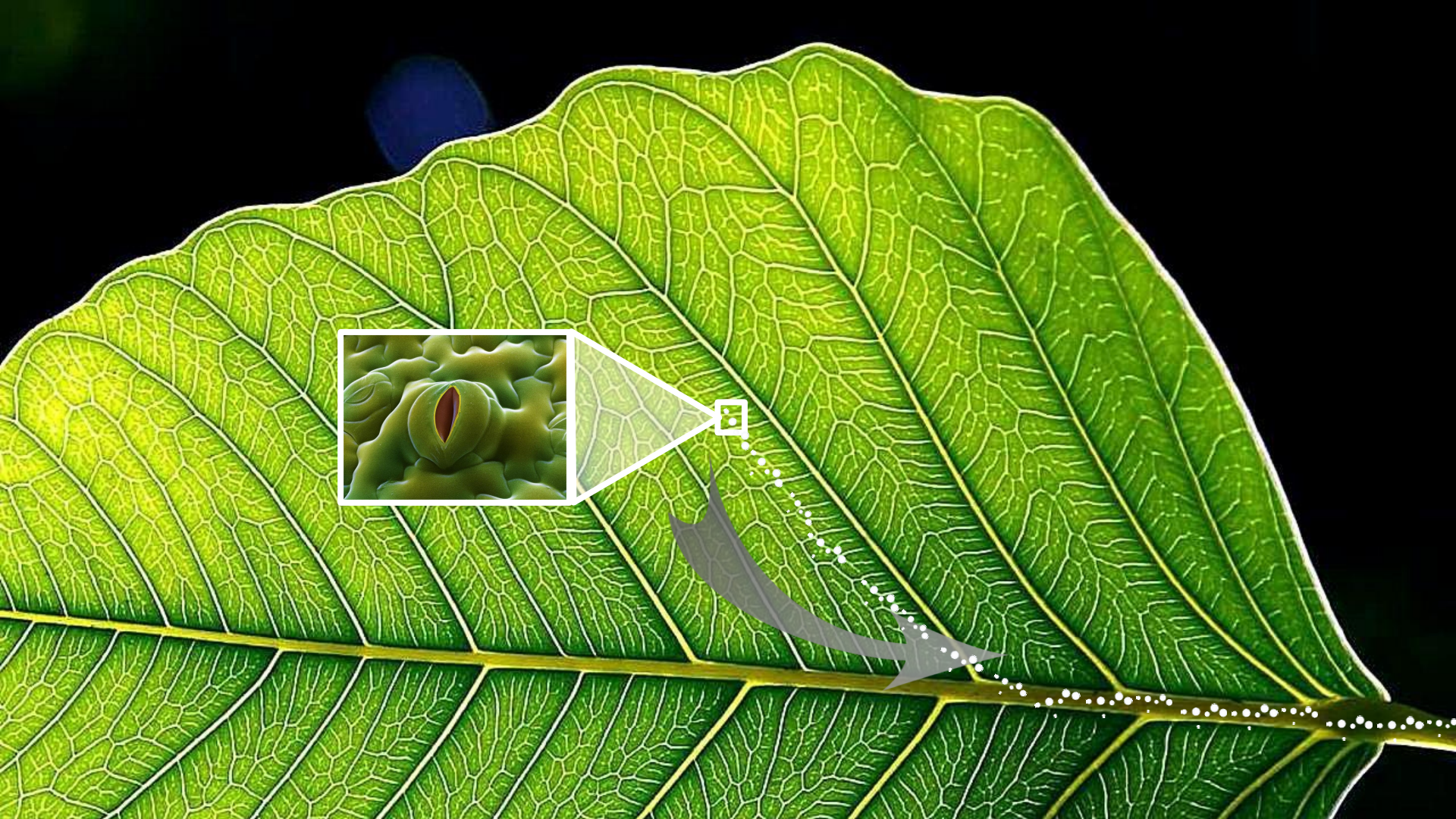
# Photo-Freak'n- Synthesis

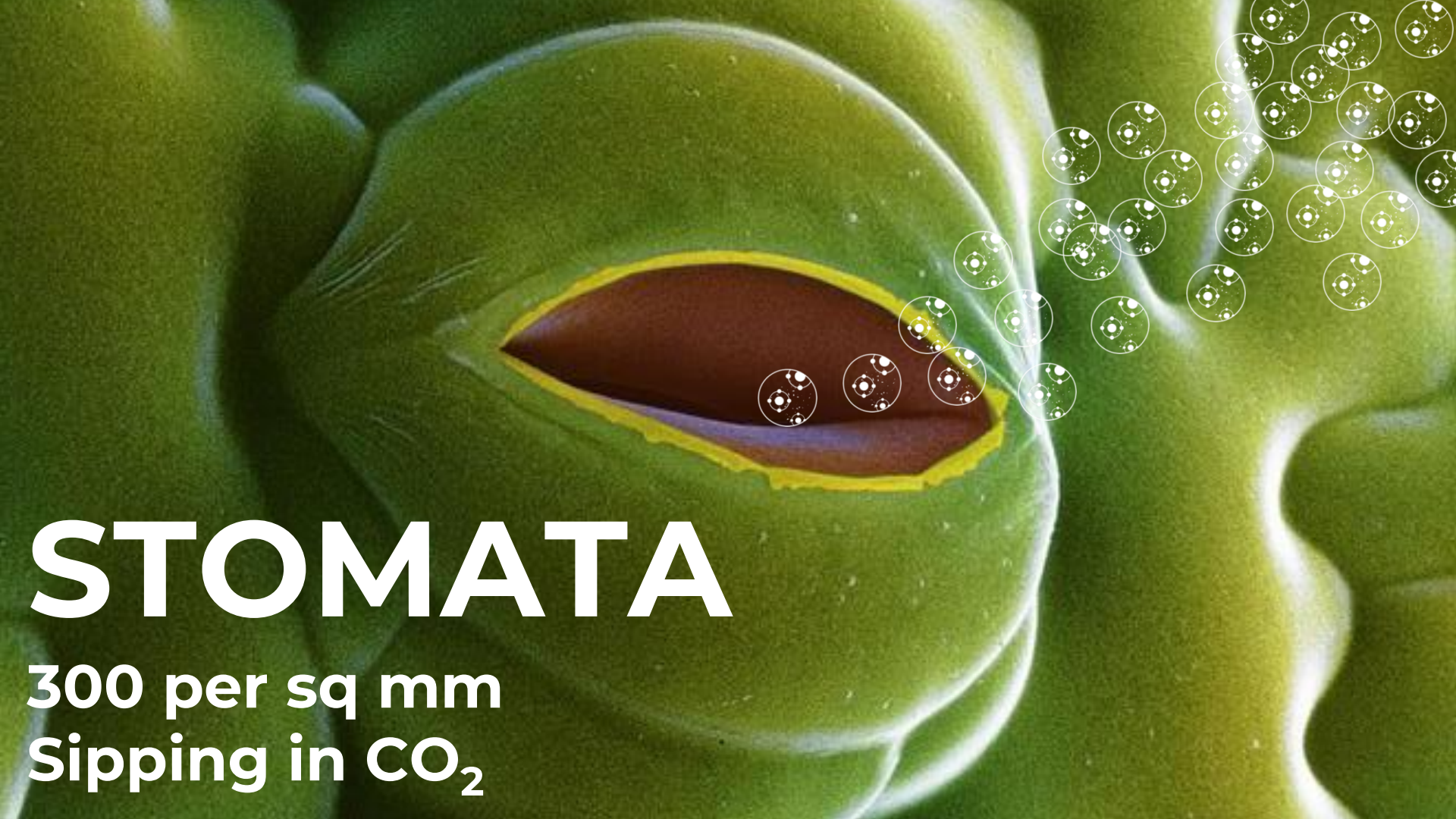


# Liquid Sugars

## Carbohydrates:







# STOMATA

300 per sq mm  
Sipping in CO<sub>2</sub>



**WHERE DOES  
SOIL COME FROM?**

# Soil built from Thin Air



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“THE BIG EXCHANGE”



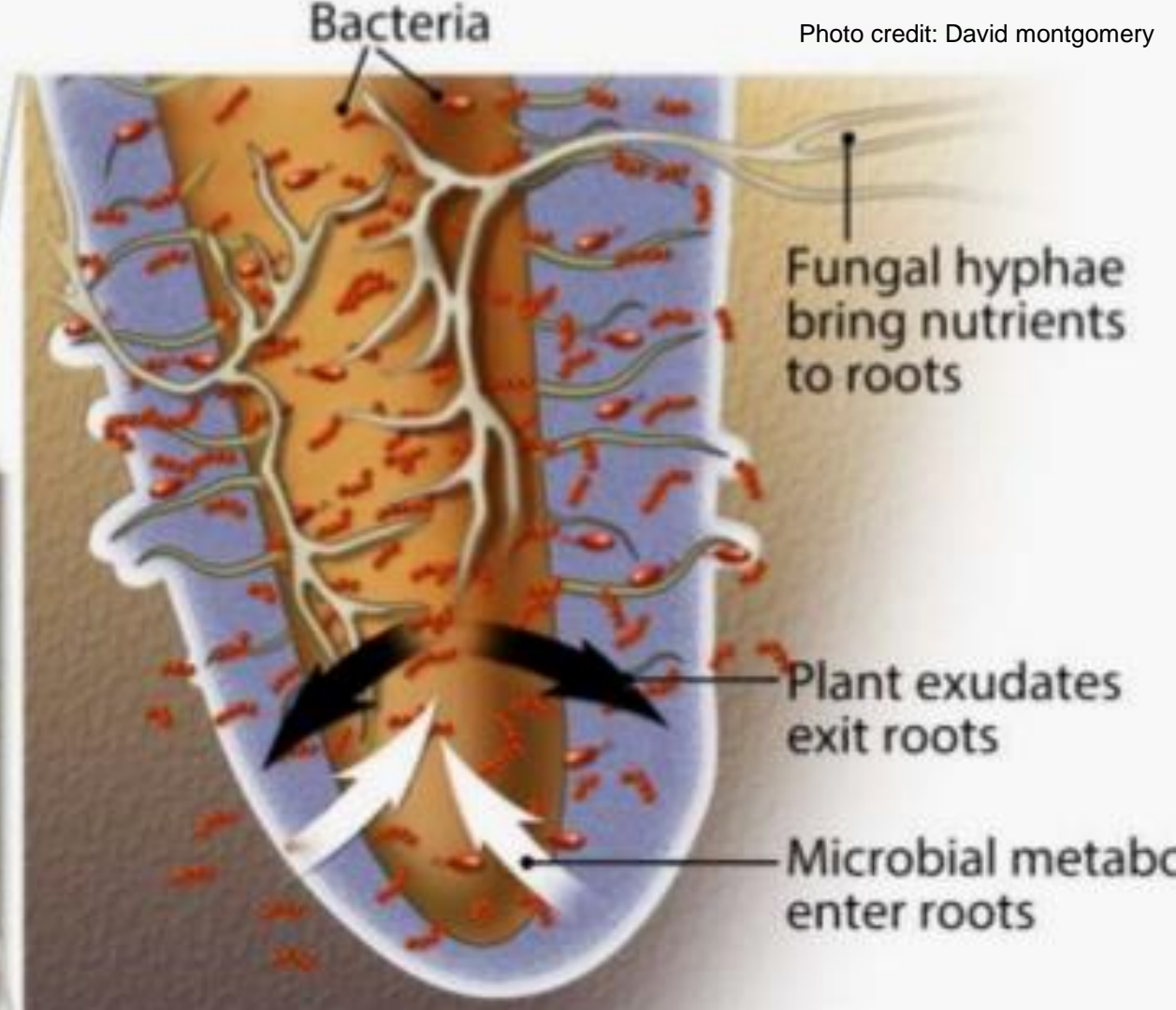
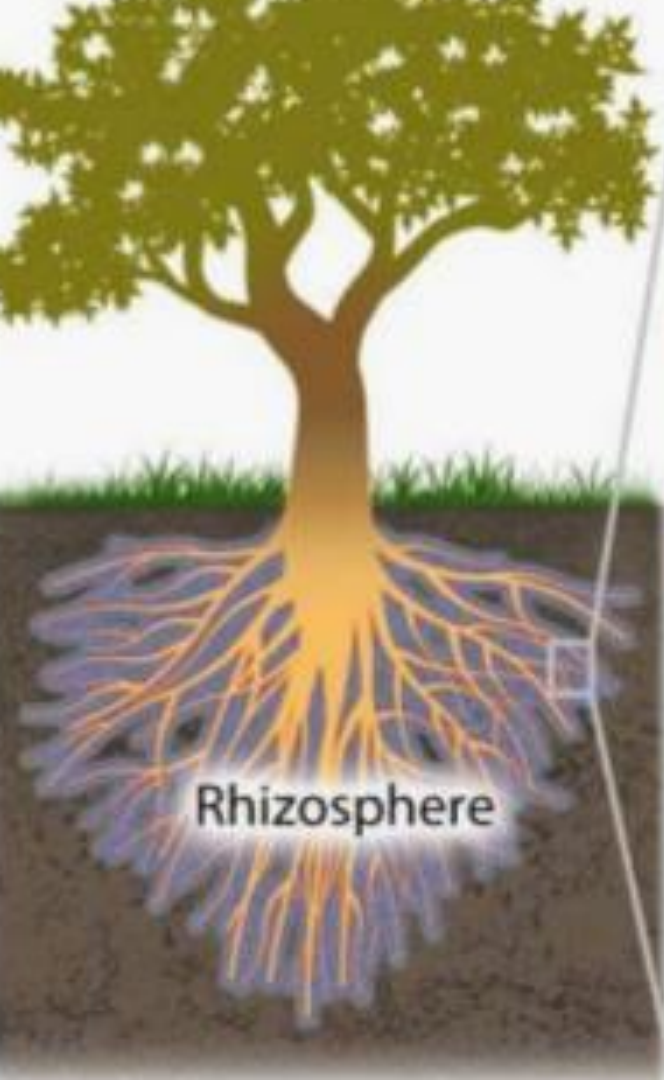
# Liquid Carbon Sugar for Minerals & Water

30-40%  
Sugars  
Shared



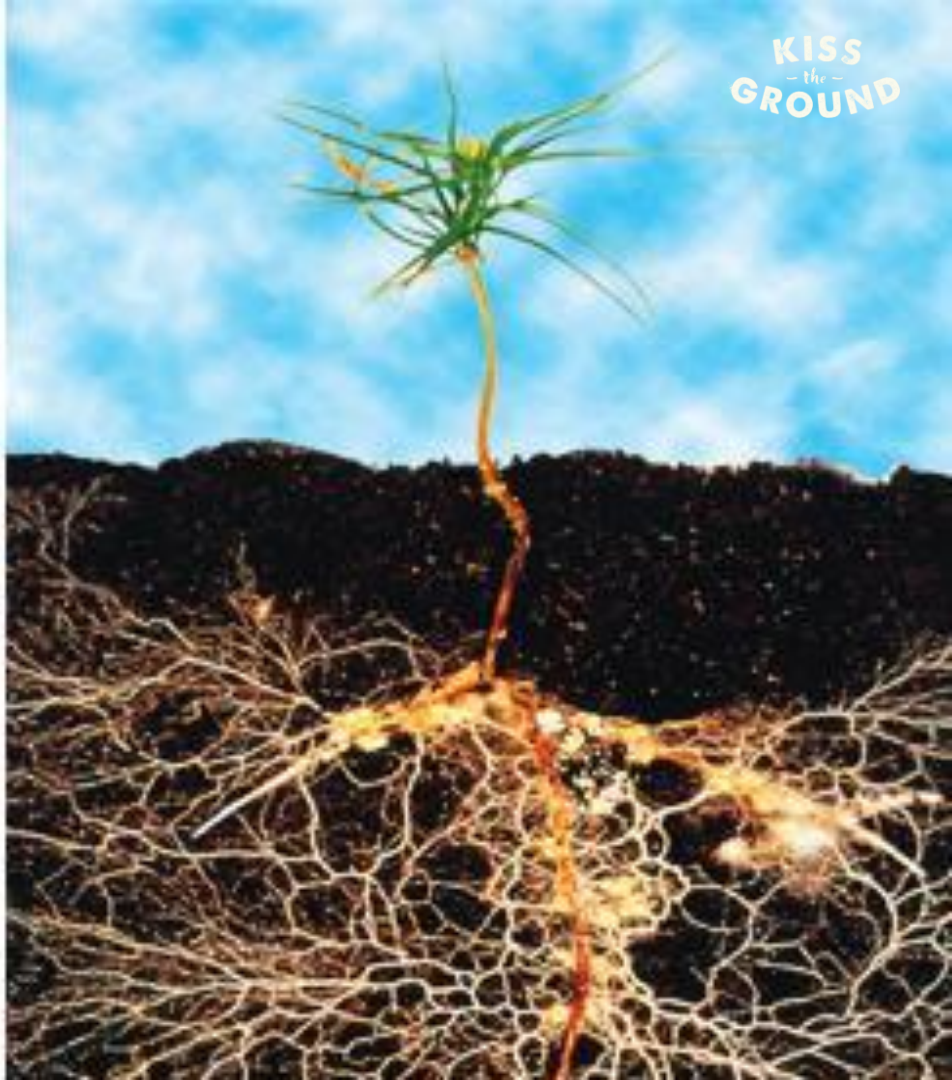
30-40%  
Sugars  
Shared









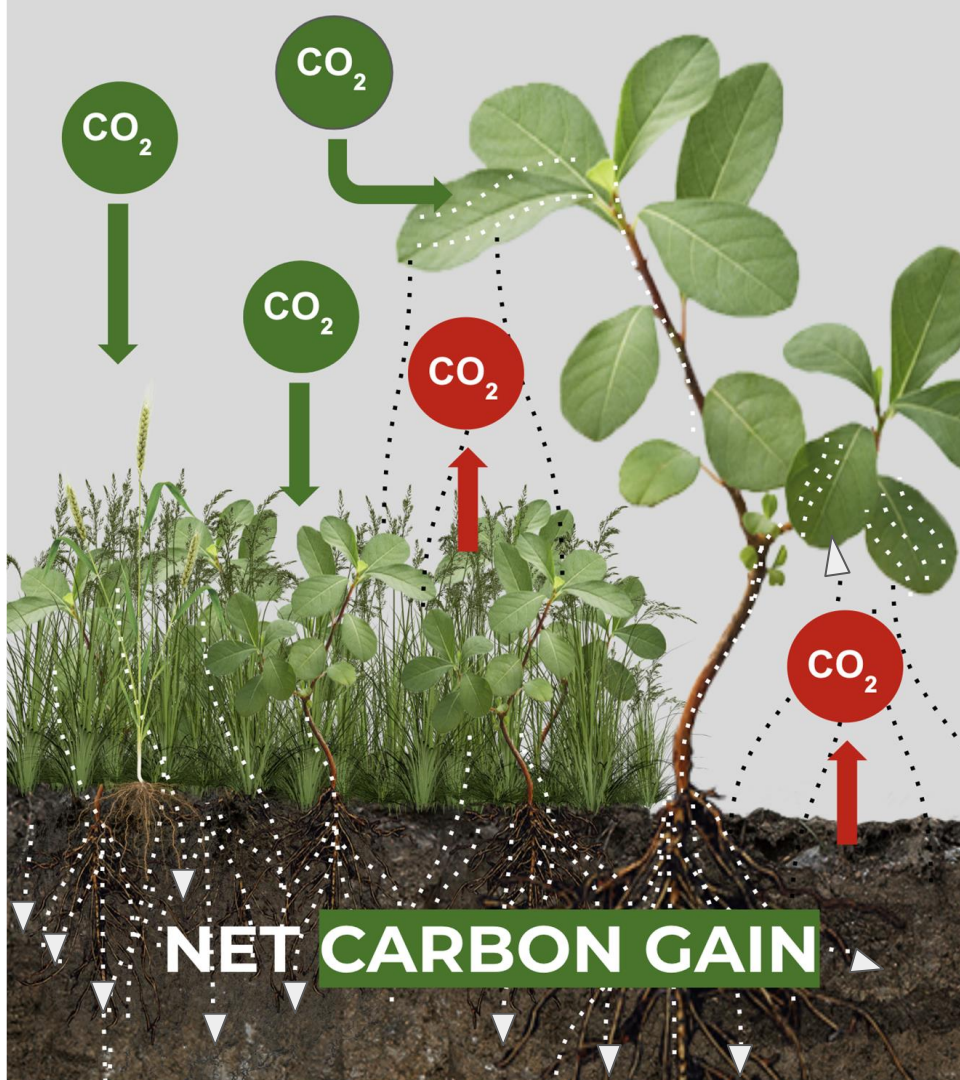
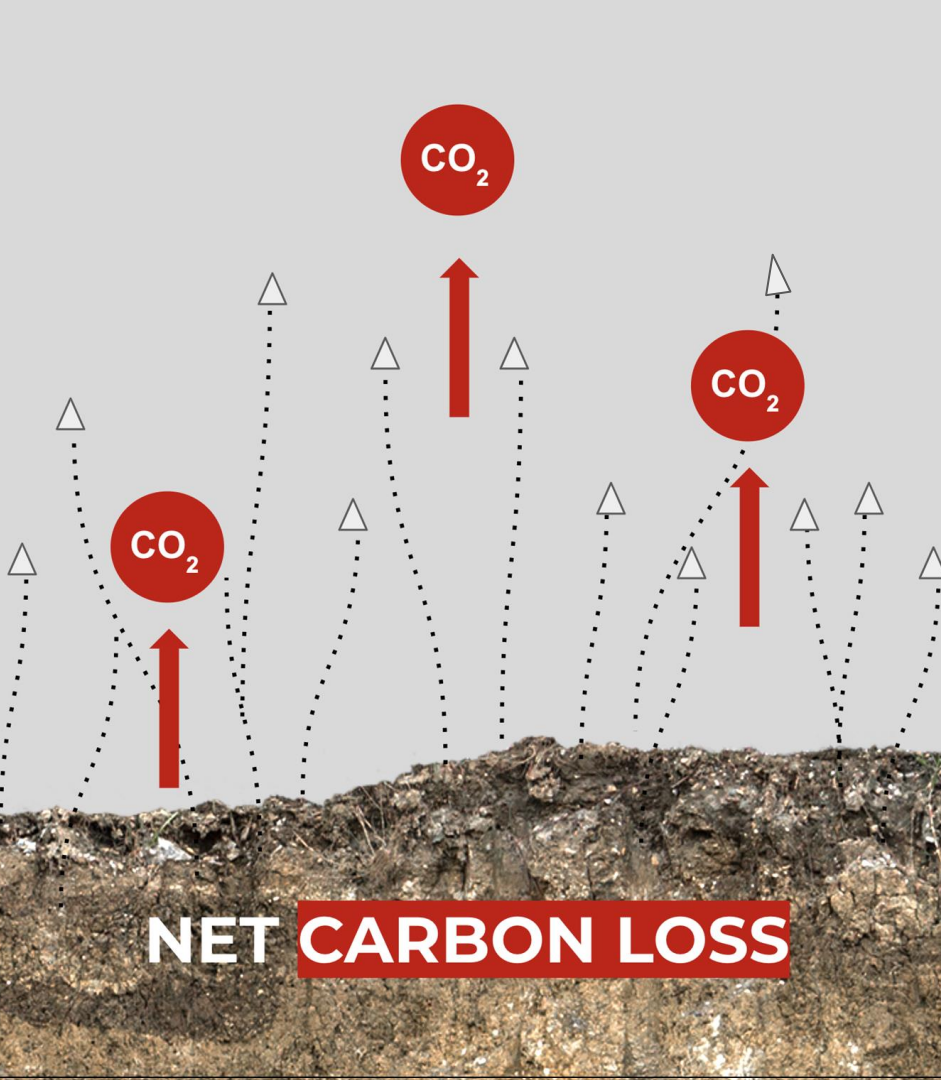


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MYCORRHIZAL FUNGI  
ROOT CAPACITY  
X 1000s →

**Carbon  
Glued  
Aggregate  
Super Sponge**







**Compost Helps  
Maximize  
Photosynthesis**

**FINDINGS:** We found that a single (one-time) application of compost doubled forage production (increasing 40–70%) and soil C sequestration (on average 2.4 ton/acre) over three years on both coastal (wet) and Sierra Foothill (dry) Mediterranean grassland systems. Compost decomposition provides a slow-release fertilizer to the soils, leading to increases in carbon sequestration and plant production. Net ecosystem C storage increased by 25–70% without including the direct addition of compost C, while compost had no effect on nitrous oxide N<sub>2</sub>O or CH<sub>4</sub> emissions

**SIMPLY, compost increases photosynthesis and therefore the ability for plants to sequester carbon and build back soil structure.**



# COMPOST FOR RISK MITIGATION





**OUR SOIL IS  
SICK & BROKEN**







**OUR LAND IS NOT  
FUNCTIONING**

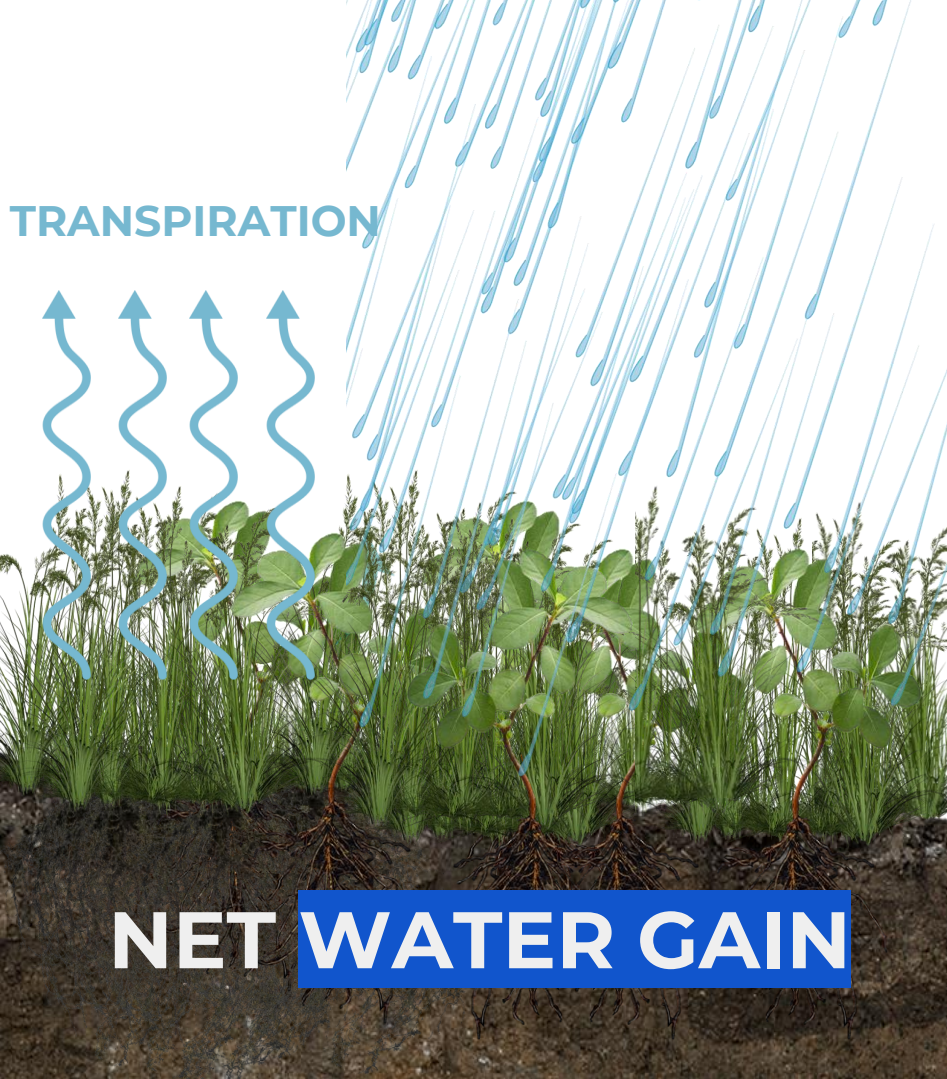
# **THE BREAD AND FLOUR DEMO**

An aerial photograph of a wide, fast-moving river with very muddy, brown water. The river flows from the top right towards the bottom left. The left bank is covered in dense, vibrant green trees and vegetation. The water's surface is turbulent with white foam and ripples, indicating a strong current. The overall scene conveys a sense of environmental impact and water pollution.

**HUMANS MAKE  
MUDDY WATER**

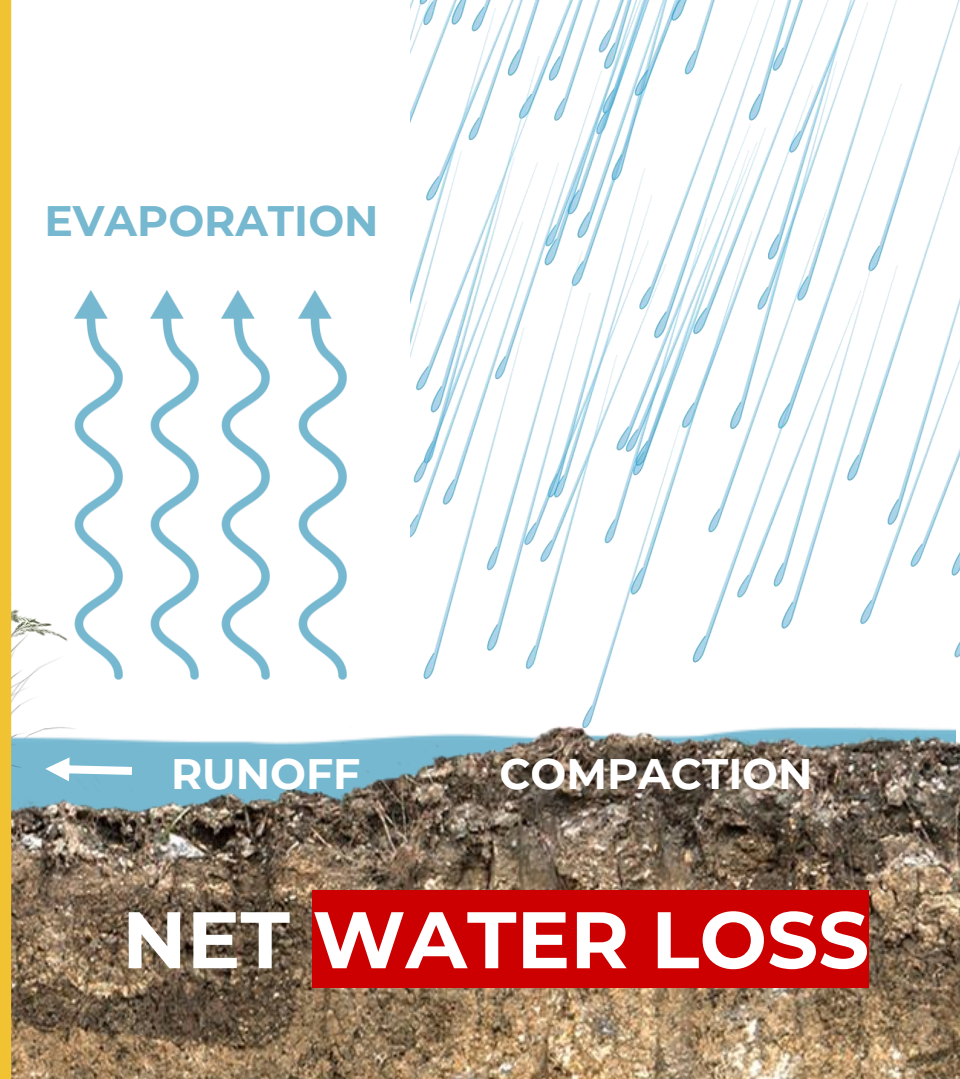
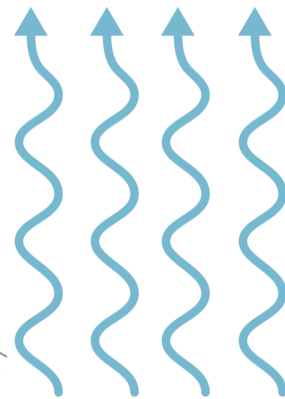
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TRANSPIRATION



NET WATER GAIN

EVAPORATION



← RUNOFF

COMPACTION

NET WATER LOSS



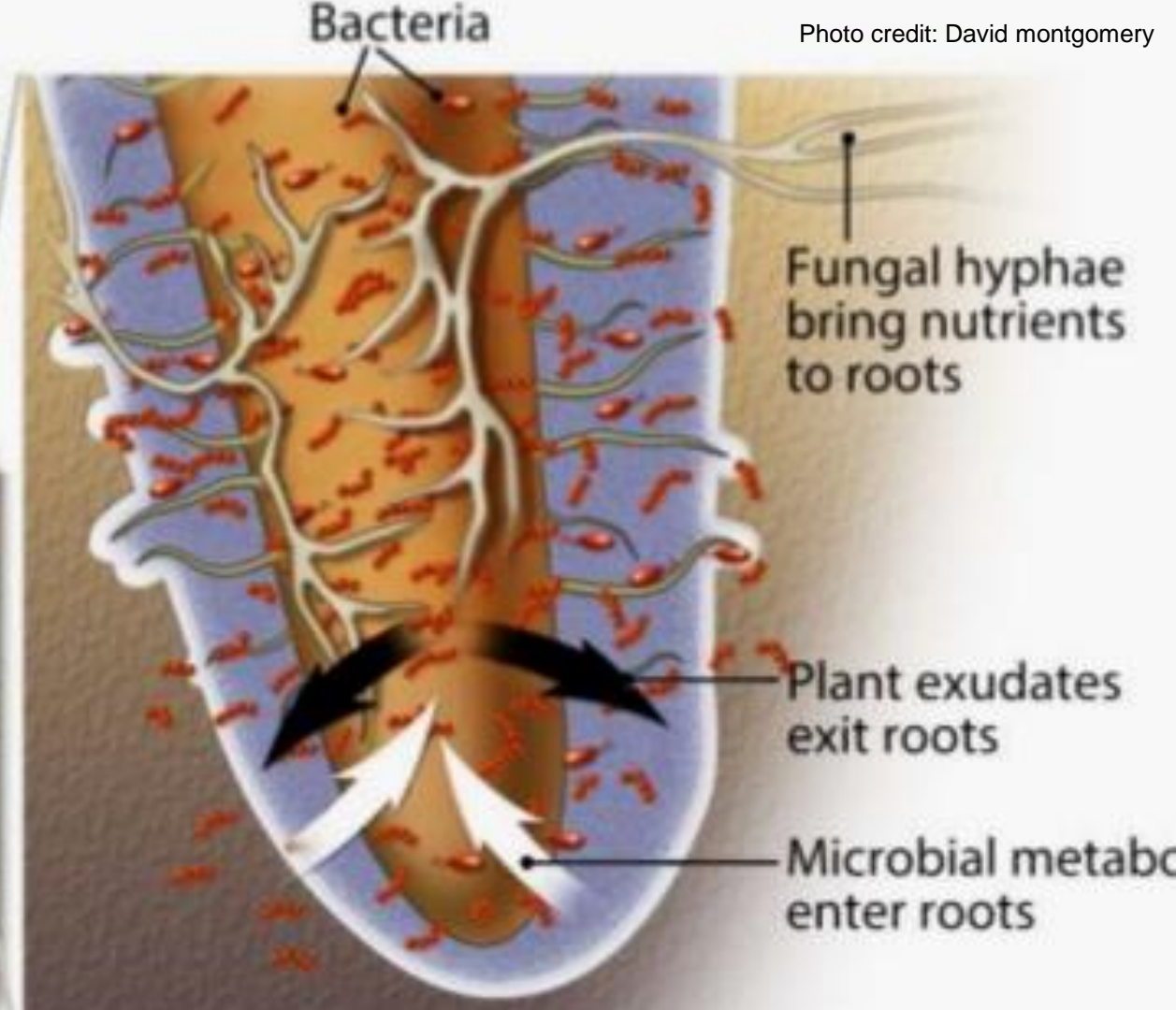
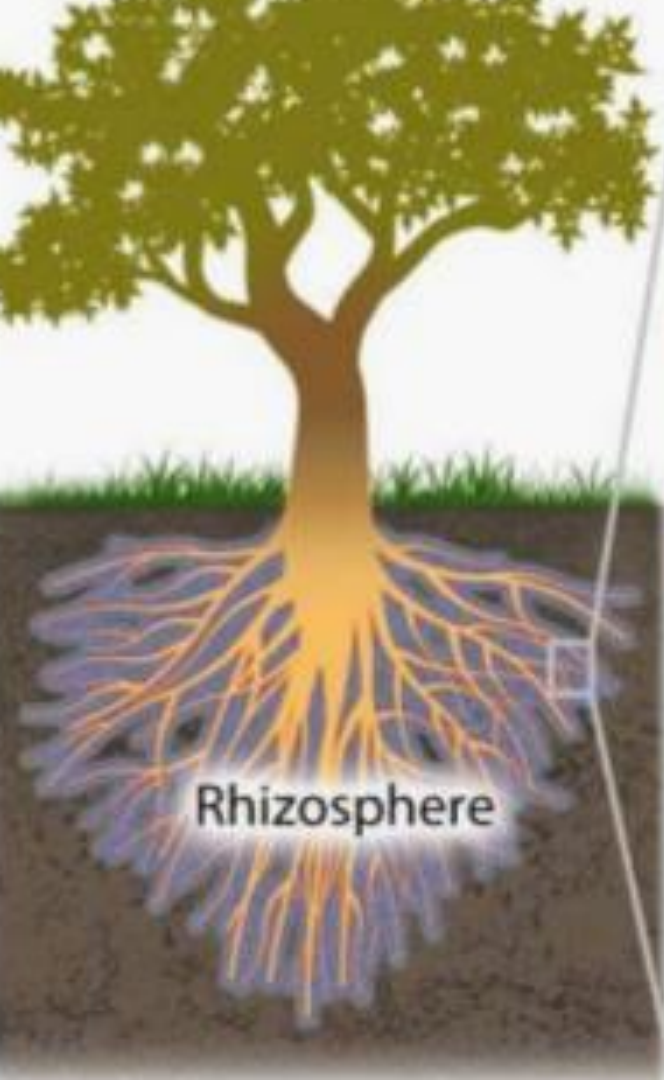
**Compost Helps  
Grow back  
Functioning  
Soil!**

**Compost For  
SOIL HEALTH**

**=**

**Compost for  
HUMAN HEALTH**







**Your tongue  
knows!!**

# **Advertising Compost as Regenerative**

**THE COMPOST STORY**

# IT'S A PROBIOTIC FOR THE LAND



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# WASTE IS A HUMAN INVENTION



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IT HAS  
SUPERPOWERS

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**IT'S CRAZY**

**WE'VE BROKEN  
THE REGENERATIVE  
LOOP OF LIFE**

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THE  
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**ONLY 5% OF FOOD WASTE  
IS COMPOSTED**

**5%**

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the  
GROUND**



DO ALL YOU CAN

TO SUPPORT  
COMPOSTING

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IT'S JUST

WASTE?

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the  
GROUND



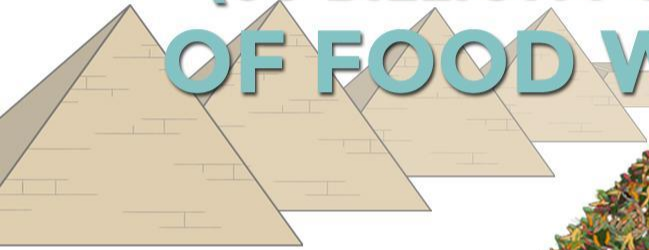
**5%**  
COMPOSTED

**95%**  
TO LANDFILL

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# THE WEIGHT OF 4.5 GREAT PYRAMIDS (60 BILLION POUNDS) OF FOOD WASTE



GO TO LANDFILLS  
EACH YEAR.

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# COMPOST

Helping Humanity live

# REGENERATIVELY



**We have the ability** to...



# Rebuild Soils



**Restore** Fertility





# Replenish Water Sources



**Reduce** Flooding & Drought



# Reverse Global Warming



# SUSTAIN ABILITY?



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# REGENERATIVE-ABILITY



# RESPONSE-ABILITY



I am Response **Able** to



**SPREAD**  
**AWARENESS**

# A MOVEMENT





We need to build back  
soil so that land functions again.

The glue to builds back the  
soil structure comes from CO<sub>2</sub>.

Compost helps plants pump more liquid  
carbon into the ground.

# Five things to know to advocate for healthy soil.

1. How Soil is Actually Built
2. Carbon Sequestration
3. Watersheds/cycles
4. Risk Mitigation
5. Food Health
6. Economics
7. Extinction

Healthy Soil

Dust

#thinkregeneratively

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LESS CO<sub>2</sub>

CARBON  
SEQUESTRATION

Cooler land

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REPLENISHED  
WATER CYCLES

GROUNDWATER  
RECHARGE

CLEAN WATER

DROUGHT  
RESISTANCE

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HEALTHY  
ABUNDANT  
FOOD

FOOD  
NUTRITION  
CONTENT

PEST AND  
DISEASE  
RESISTANCE

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TRUE FARMER  
PROSPERITY

HIGHER YIELDS

LESS INPUTS

STACKED  
ENTERPRISES



RESTORED  
ECOSYSTEMS

ECOSYSTEM SERVICES

INCREASED  
BIODIVERSITY

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**GROUND**



**NEXT STEPS**

# BECOME A SOIL ADVOCATE



# 5. FIND YOUR PATH

There are hundreds of ways to  
Kiss the Ground

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