



the efficient, natural, leaf fertiliser

Structure

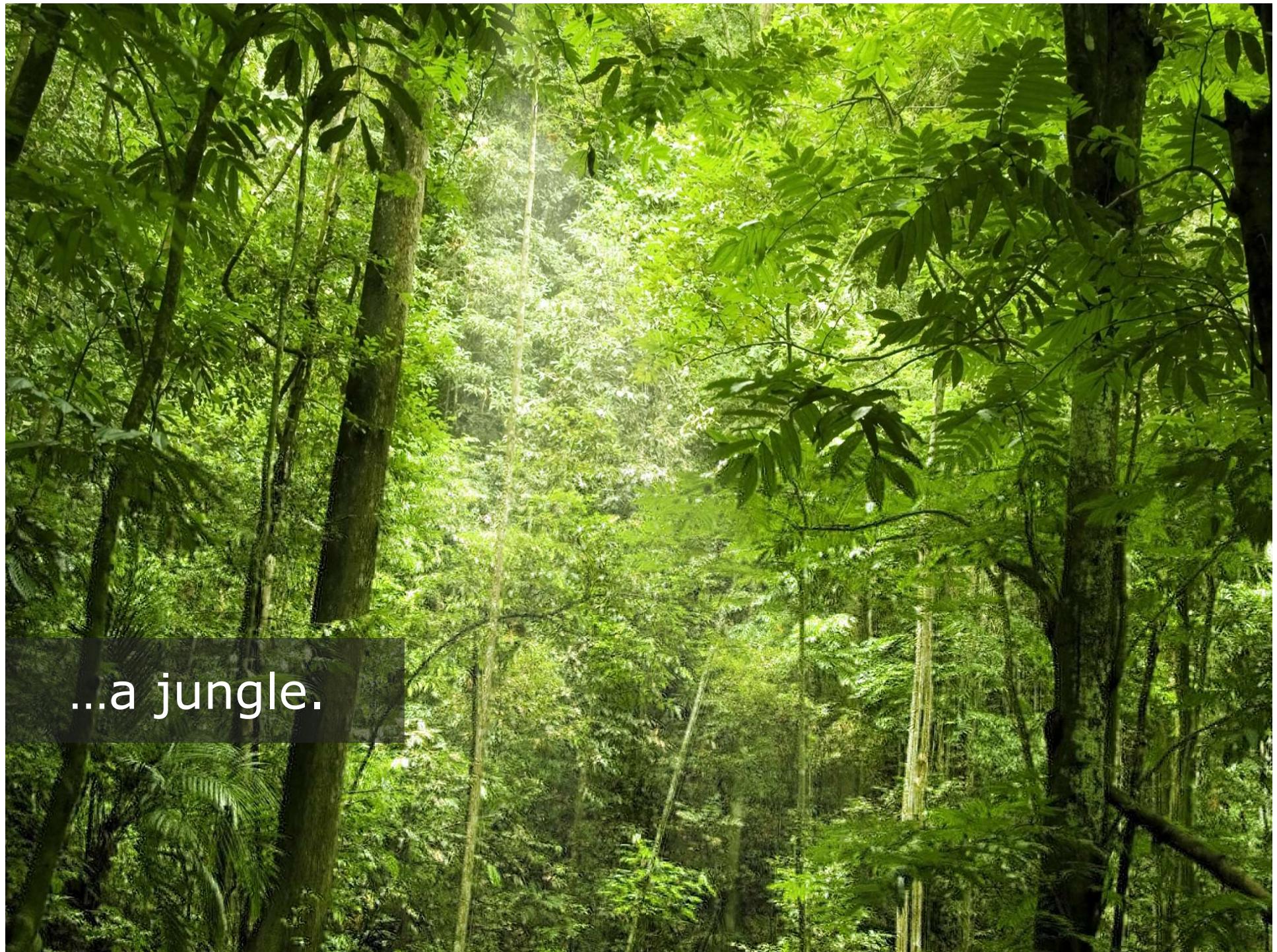
1. Concept Green Agro: What is it?
 1. Where does it come from?
2. the way it works
3. benefits
4. cost reduction
5. application
6. application samples
7. conclusion



When done by nature...

A dark, rainy landscape with a black box containing text.

...everything becomes...



...a jungle.



Copied by Nature

Concept Green Agro: Where does it come from ?

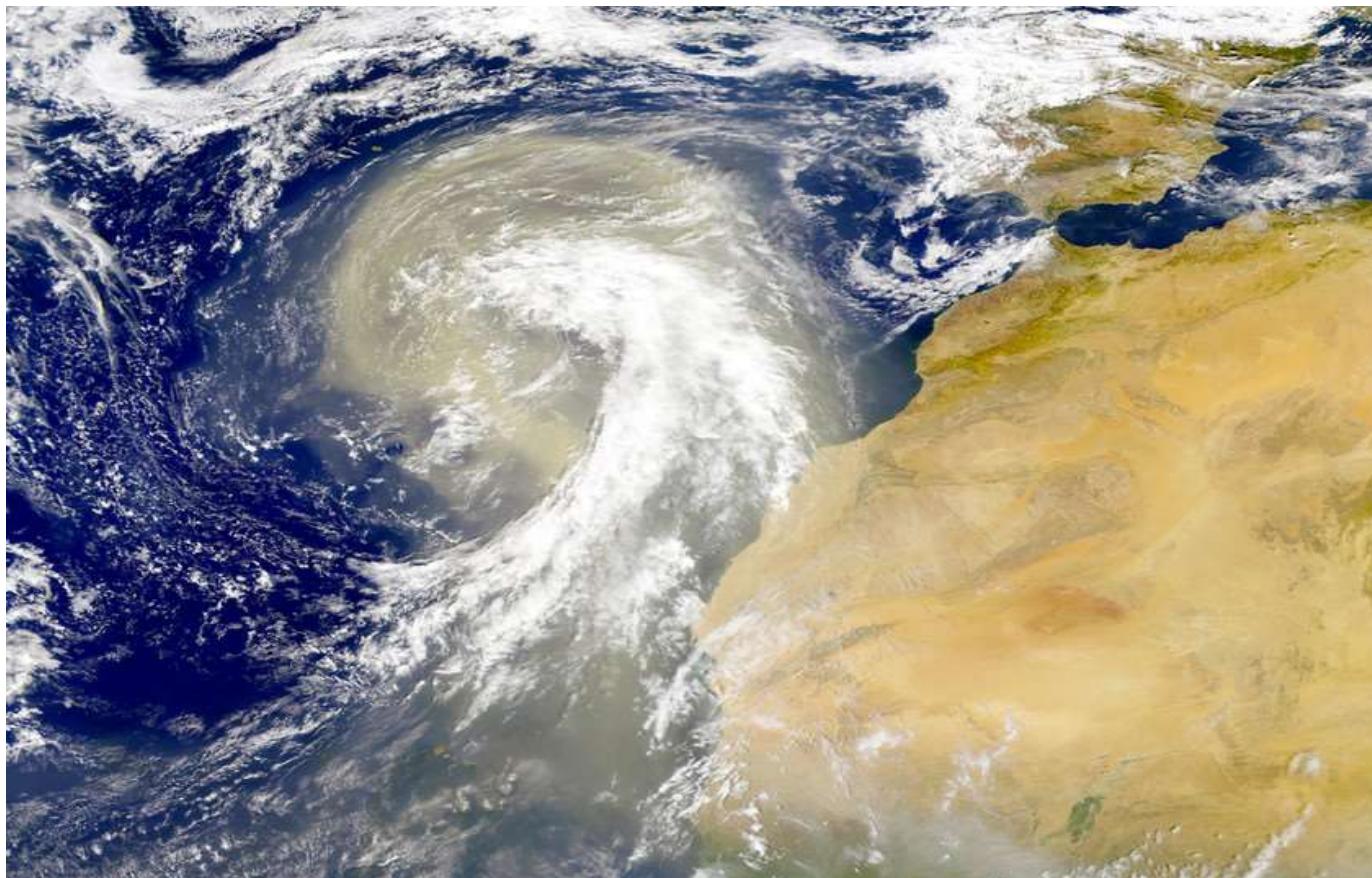


Copied by Nature

Where does it come from?

Every year nature swirls up millions of tons of dust in the different areas of desert, which rise into the stratosphere. This dust is pulverized thereby.

Desert Dust over the Sahara



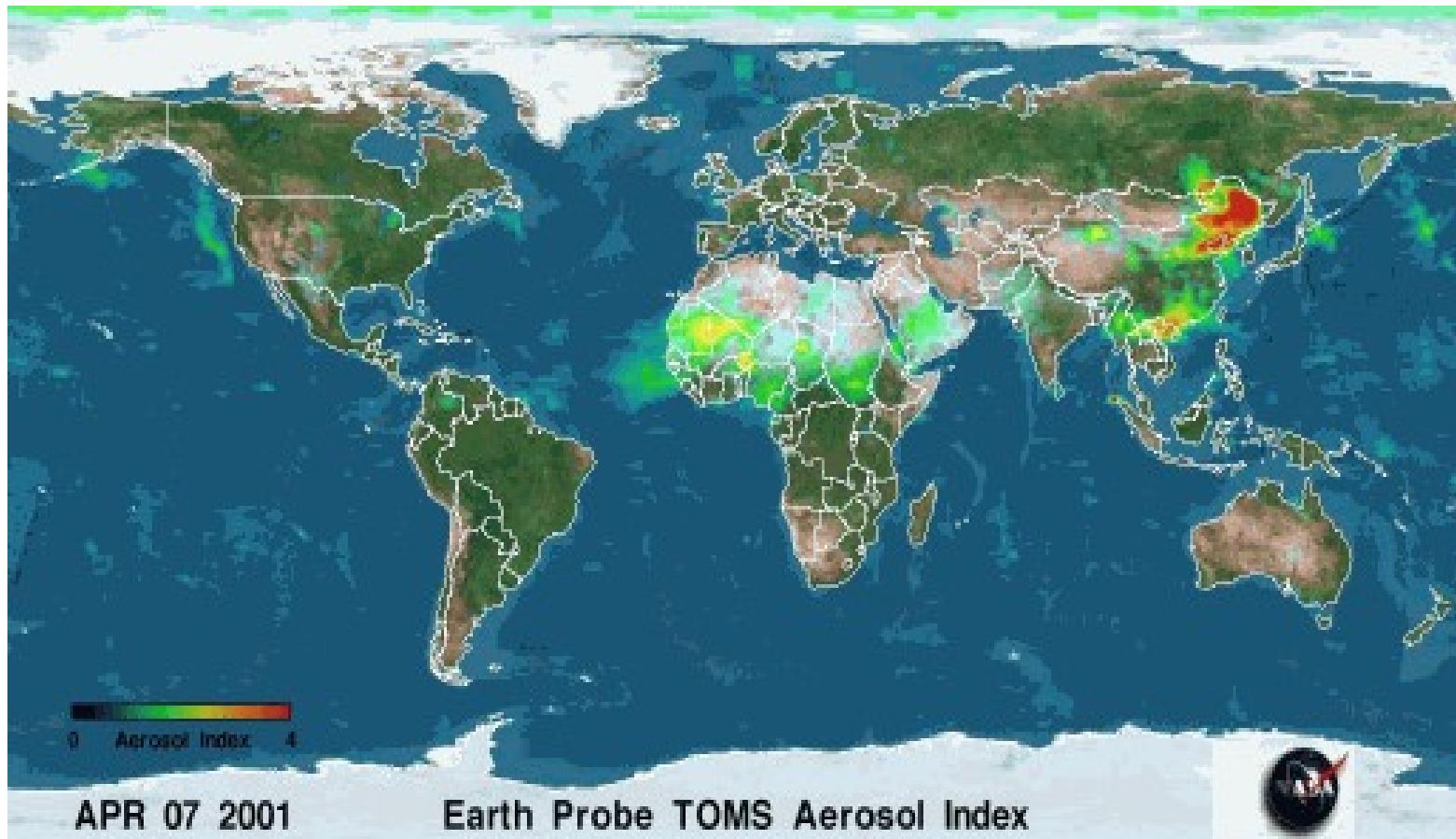
Copied by nature.

Where does it come from?

These dust clouds move along the equator and precipitate their moisture.

In places where the precipitations come down regularly, most tropical rain forests can be found.

Dust movements in the atmosphere

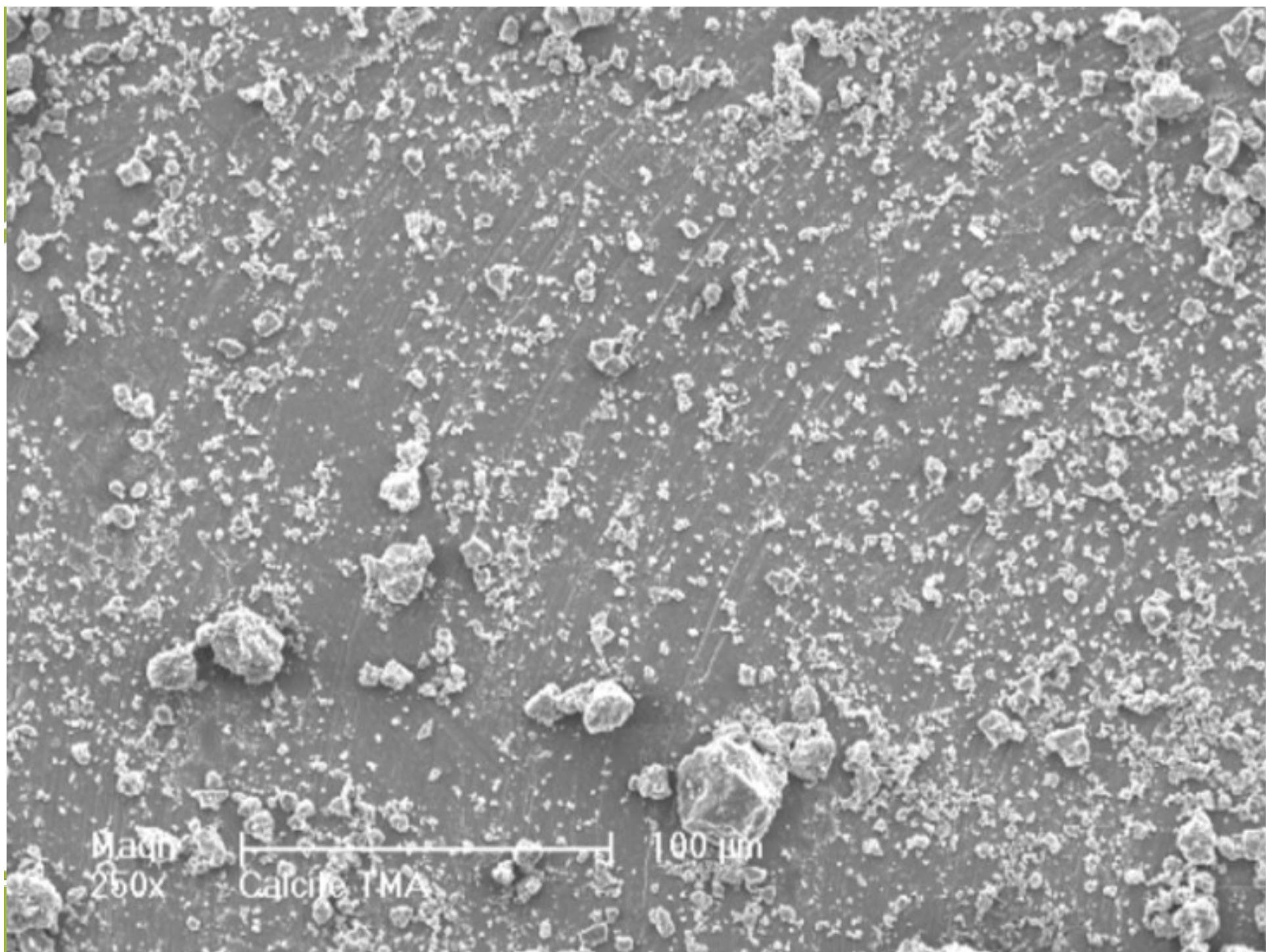


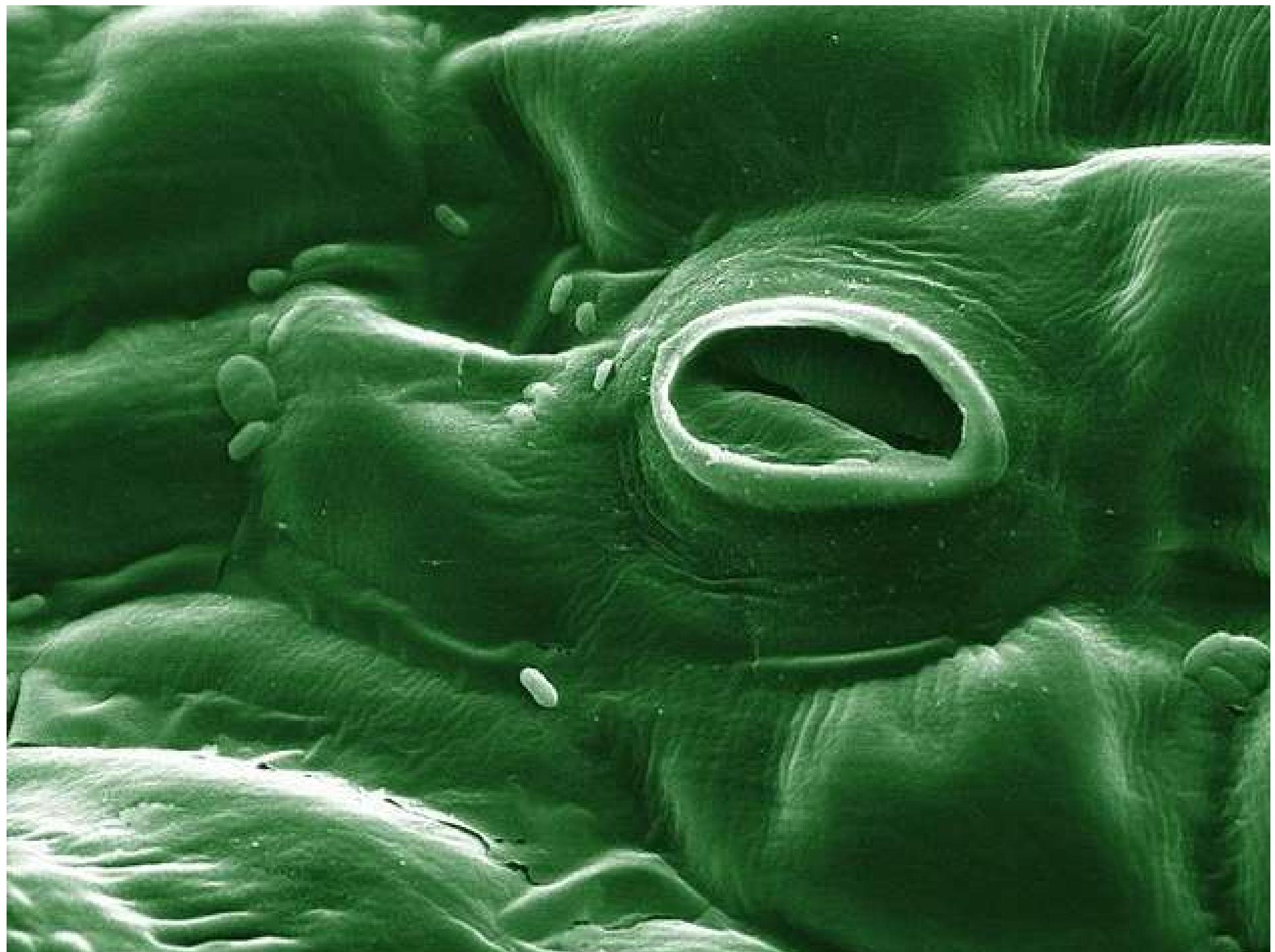


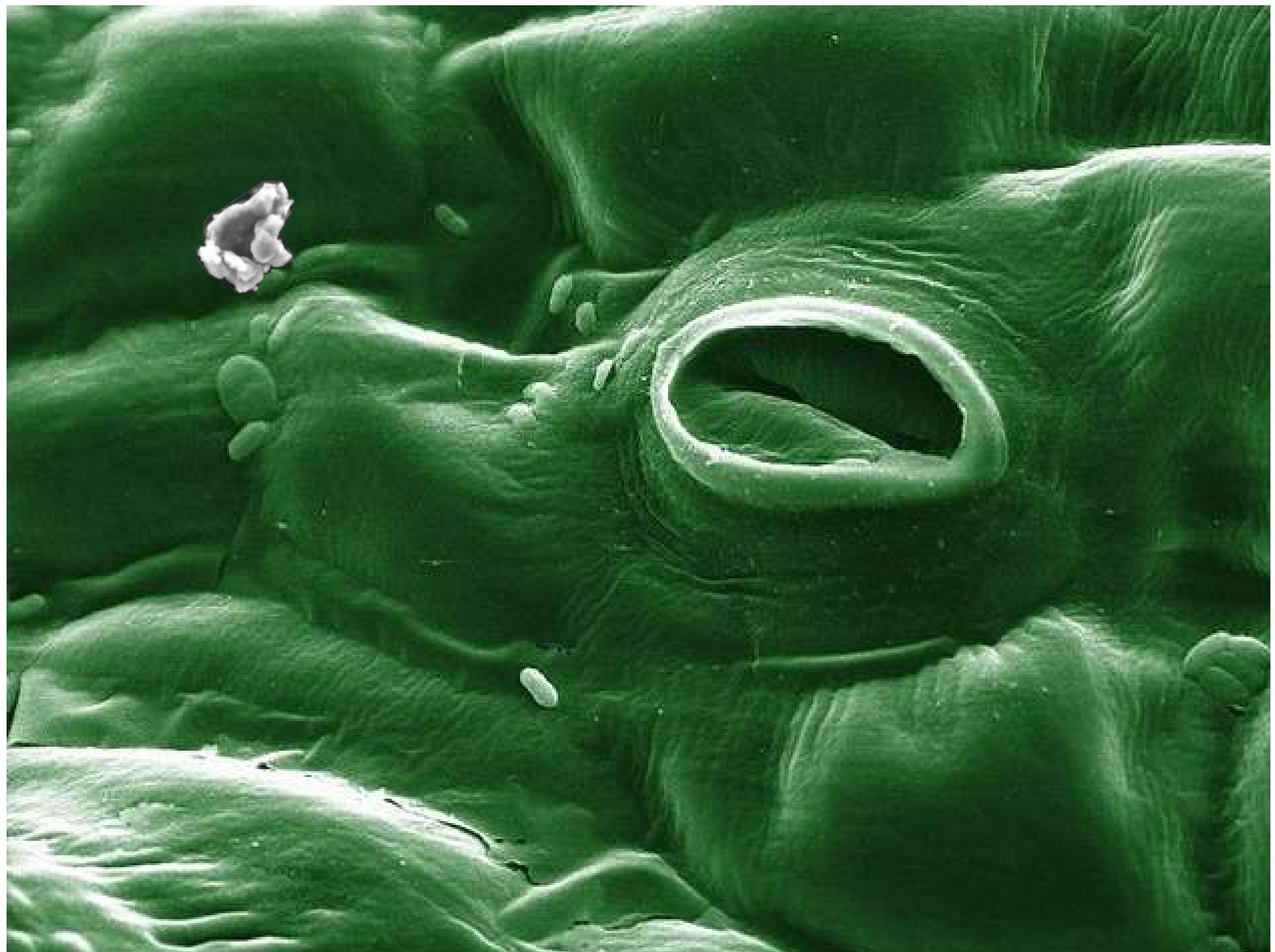
The way it works

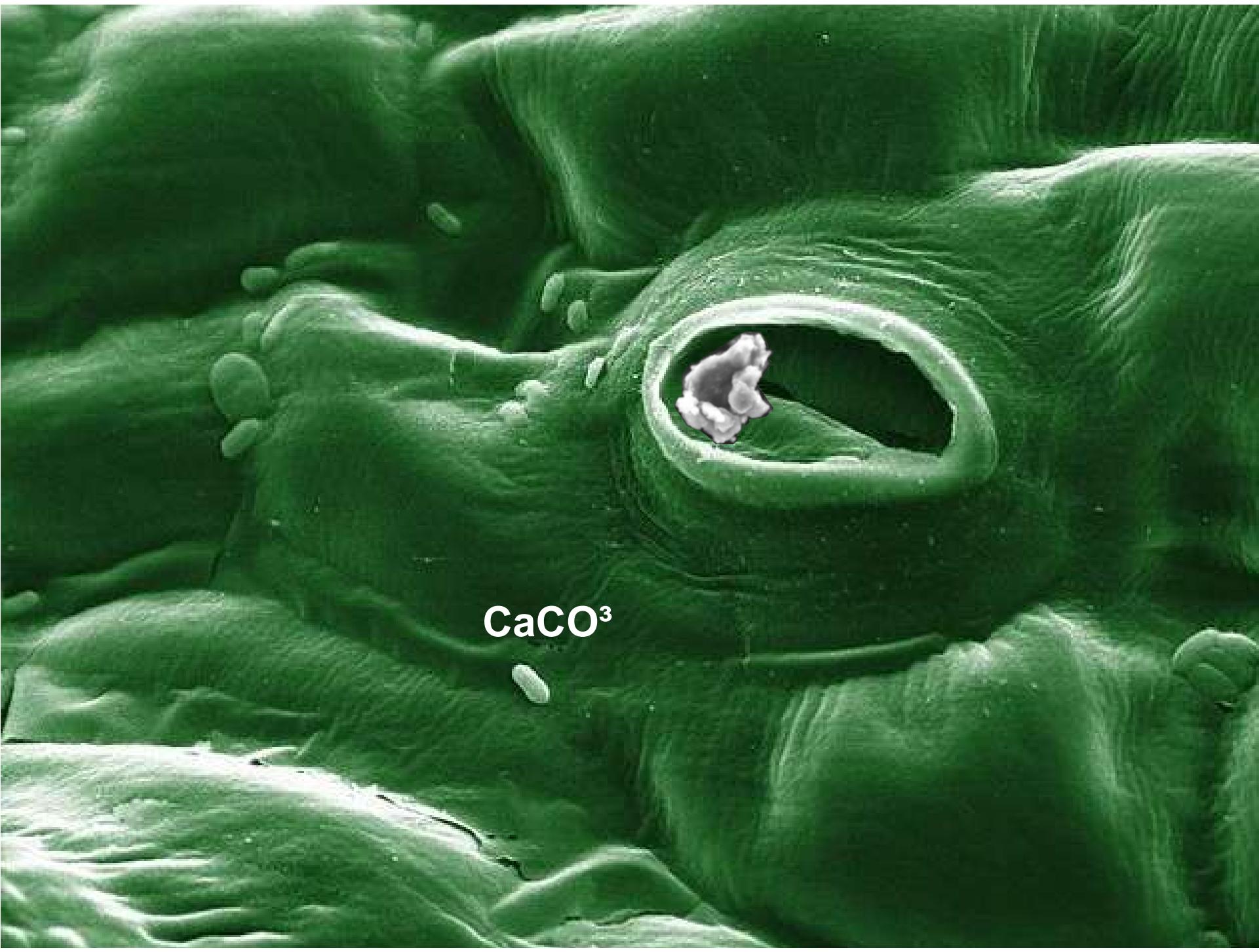
and the resulting benefits.



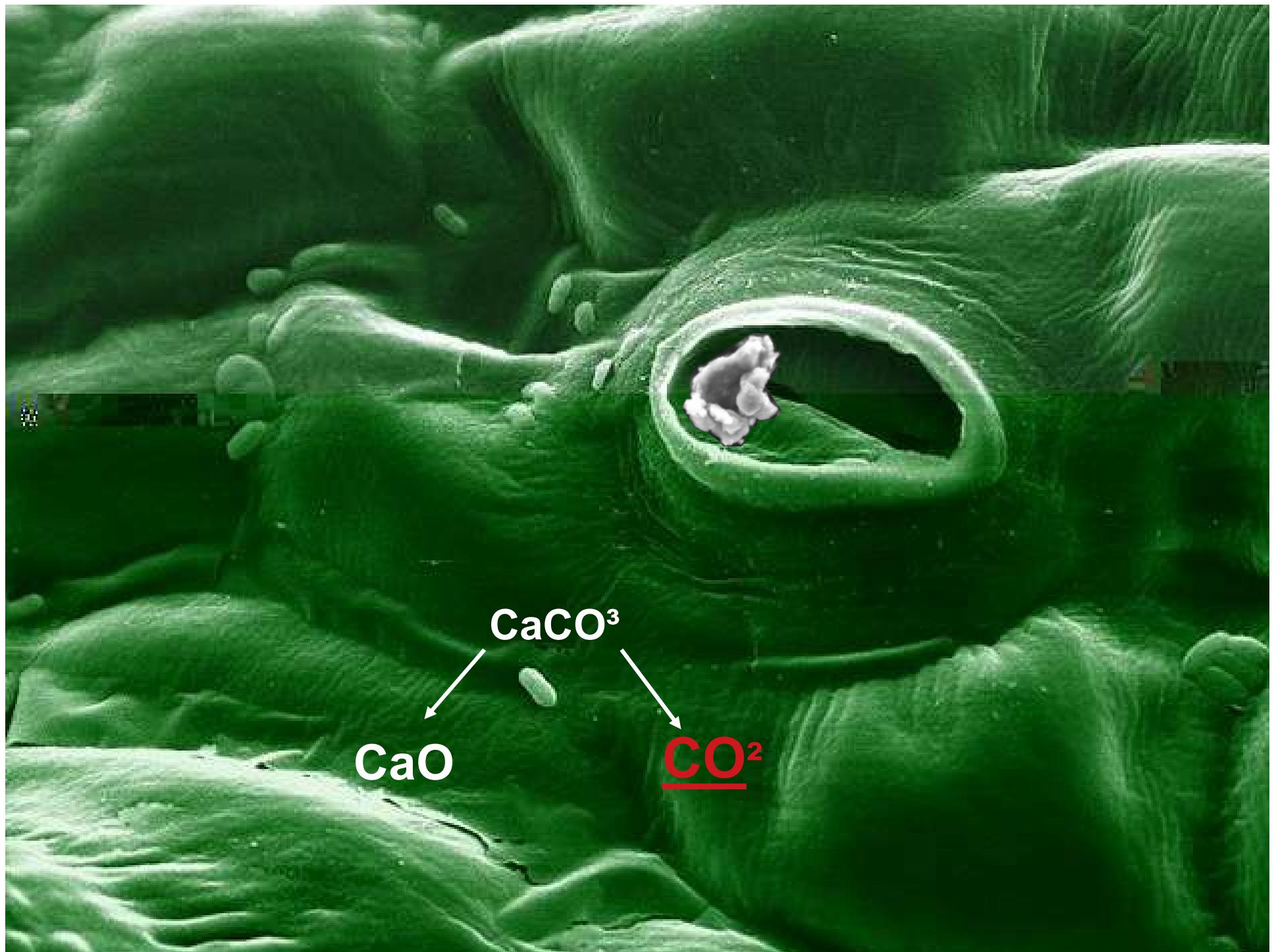








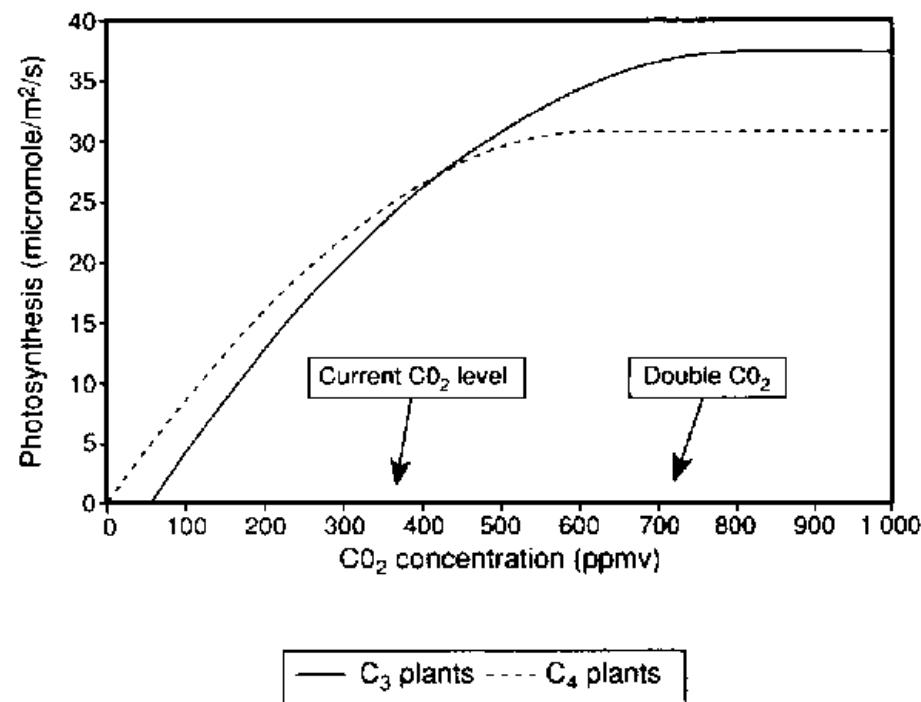
CaCO³



Concept Green Agro

Photosyntheserate

Schematic effect of CO₂ concentrations on C₃ and C₄ plants (after Wolfe and Erickson, 1993). The main mechanism of CO₂ fertilization is that it depresses photo-respiration, more so in C₃ than in C₄ plants



Applying Concept Green Agro

Benefits

- ✓ **up to 30%** more yield
- ✓ **up to 20%** decrease of growth period
- ✓ **up to 30%** more fruit content
- ✓ **up to 30%** more biomass
- ✓ more flavor, vitamins, glucose and starch

Concept Green Agro

The way it works

Concept Green Agro act directly on the leaf, where photosynthesis takes place.

This is possible because:

due to its tiny particle size, the leaf fertilizer can intrude by the leaf pores

the main component of the leaf fertilizer, which is calcium carbonate, disintegrates to calcium oxide and carbon dioxide

Applying Concept Green Agro

Cost reduction

- ✓ **up to 50%** less demand of synthetic fertilizer
- ✓ **up to 50%** less requirement for pesticides
- ✓ **up to 50%** less water needs of plants



Application of Concept Green Agro

Applying the leaf fertilizer requires common, mostly existing technology.

Concept Green Agro is mixed in a barrel

Then more water is to be added to result in a solution of 0.25-0.3% solution, which equals 2,5-3 kg per ha, or 1 teaspoon per litre for balconies and smaller gardens

Application of Concept Green Agro

The leaf fertilizer is to be applied 14 to 21 days either in the morning or in the early evening directly on to the leaves of the plants.

It is advantageous if a dispersion device is available.

2 to 4 treatments are required during the growing season.

The first treatment should be applied when the third, fourth or fifth leaf appears, on fruit plants during the flowering period. (acts as antifreeze)

Application of Concept Green Agro

Vineyard example

1. Mixing



2. Addition of water



3. Application on the field



Example 1:

Strawberries in Italy

3 times treated with Concept Green Agro (with very uniformly sized fruits)



untreated



Example 2:

Carrots



left: untreated

right: one time treated with Concept Green Agro



Example 3:

Corn in Rechnitz (Austria)

One time treated with
Concept Green Agro



untreated



Example 4:

Sunflowers

left: treated with
Concept Green Agro
for 3 times

right: untreated



Example 5:

Bush beans in Rechnitz (Austria)

Treated with Concept Green Agro twice and developed to some degree



untreated

Example 6:

Potatoes in Turkey

Treated with Concept Green Agro for three times,

- 25% increase in yield,
- no additional nitrogen fertilizer.



Not treated with Concept Green Agro and a 100kg/ha nitrogen fertilization

Example 7:

Salad in Turkey

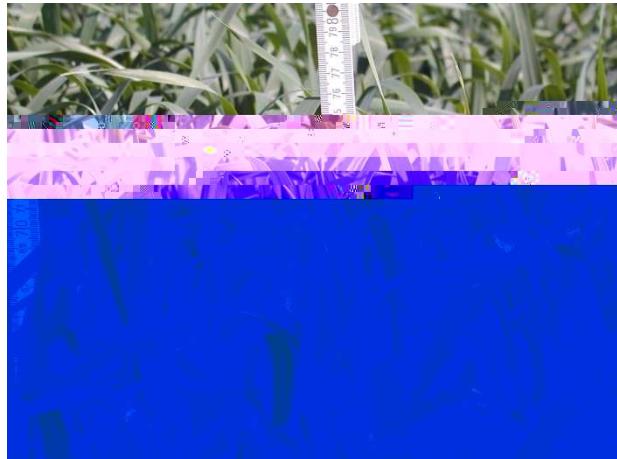


after about 4 months of growth and 3-fold treatment with Concept Green Agro the lettuce plants have a weight of about 500 to 550 grams

after about 4 months growth without treatment with Concept Green Agro the heads of lettuce have a mass of about 400 to 450 grams

Example 8:

Oats in Gnaschwitz (Germany)



treated with Concept Green Agro two times

- darker green color
- about 7 to 11 cm higher



untreated

Example 9:

Onions Niger



treated with Concept
Green Agro 3 times



untreated



Overview

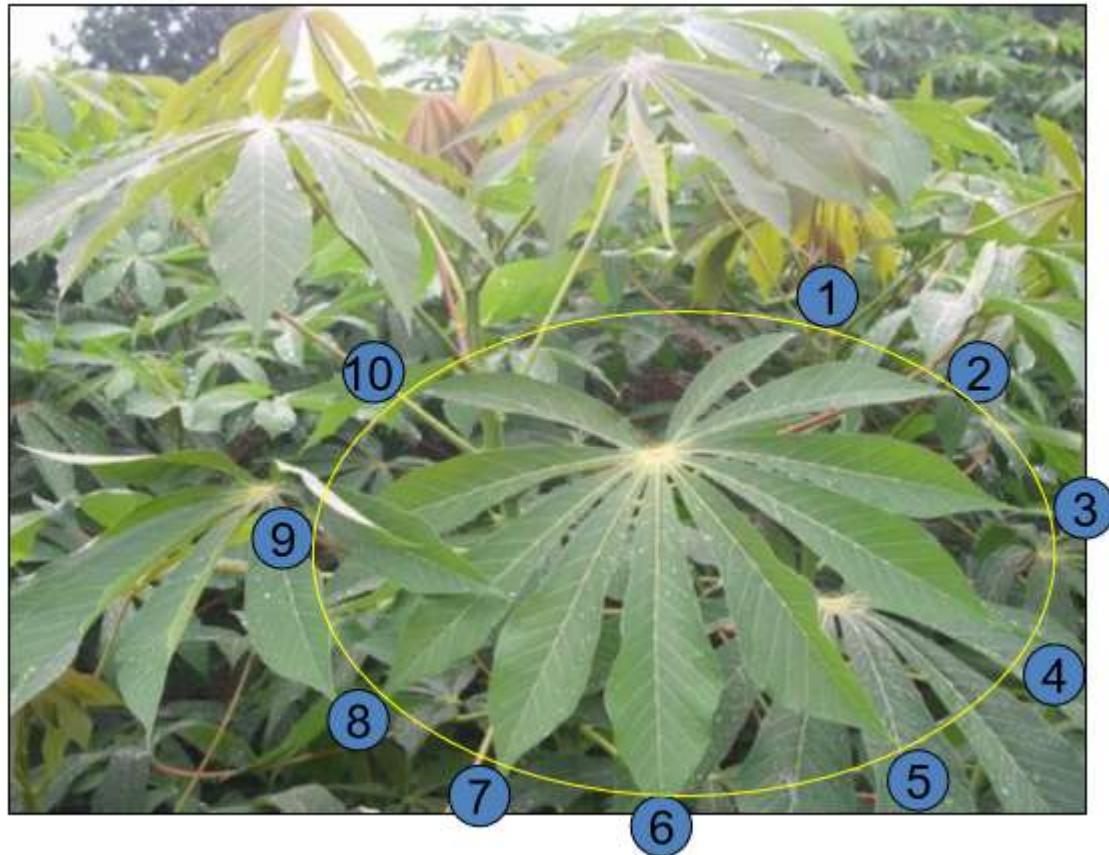
Example 10:

Cassava

Age of the Plant: 3 Month

10 Fingers!!!

More Rootdevelopment



Example 11:

Mandarin Berlin



treated with Concept Green Agro two times

Already developed leaves hardly show changes

New leaves were positively influenced in their development

Example 12:

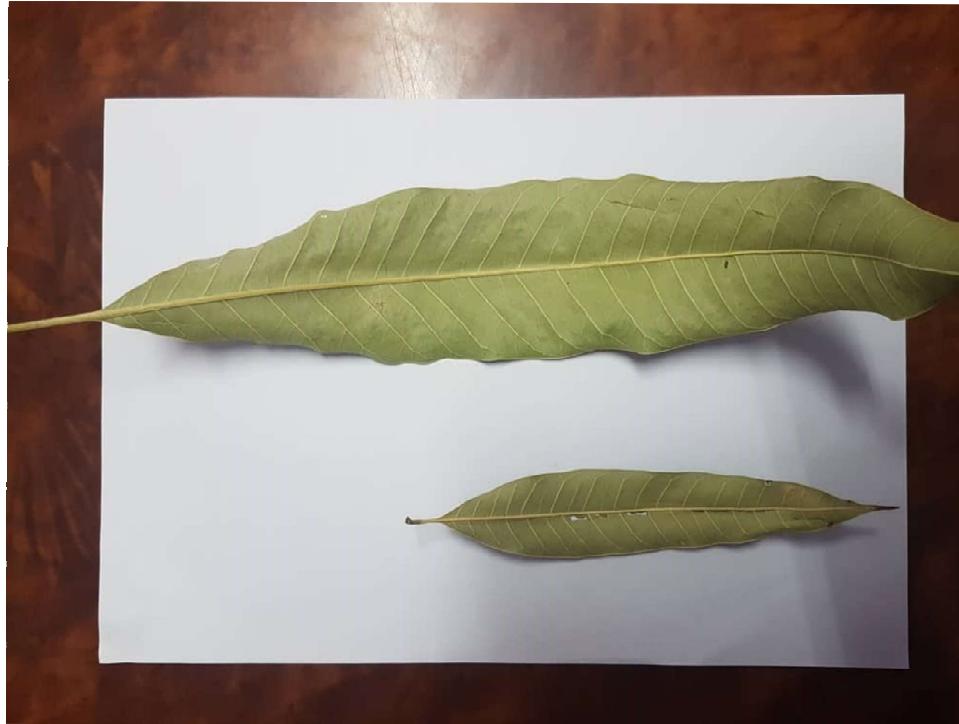
Cocoa Volta Region Ghana



treated with Concept Green Agro two times
Already developed leaves hardly show changes
New leaves were positively influenced in their development

Example 13:

Mango Ghana



treated with Concept Green Agro two times

Already developed leaves hardly show changes

New leaves were positively influenced in their development

Example 14:

Rice China



Conclusion

Benefits to plants

- higher metabolic activity
- less drought stress
- less impact by insect pests



Conclusion

Benefits to humans

- higher yield
- tastier fruits
- more valuable ingredients for a healthy nutrition
- less pollution



Conclusion

Benefits to environment

- less groundwater pollution due to less water-soluble nitrogen fertilizer
- less pollution by pesticides
- less energy waste in the production of fertilizers

Thank you very much for listening

If there are any questions,
please do not hesitate to
ask the staff members of
Concept Green.

