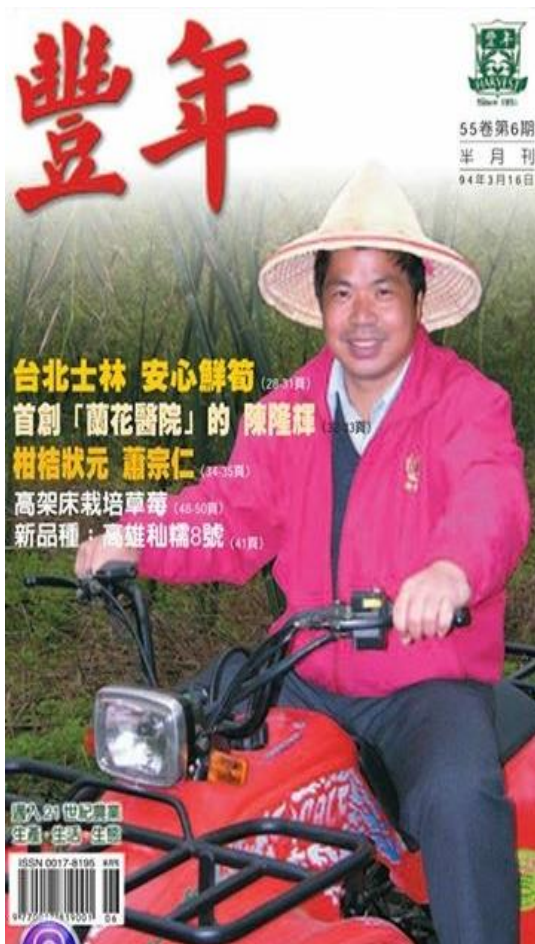


Taiwan Organic Green Bamboo Shoots

Case Study of Production and Export Experience

- 2016 EU-Taiwan International Food Trade Seminar
"For Safer and Better Food"
- 2016台歐國際食品貿易研討會：更安全優良的食品



Mark Chang

張盛玄

Director of Shilin Anxin Bamboo Farm

Mobile Phone: 0919-701-035

Address: No. 31, LN. 100, Jiannan Road,
Shilin District, Taipei City

FB: Mark Chang , <https://goo.gl/TKIIM7>

Website: www.bamboofarm.tw

BLOG: Green Bamboo Shoots Expert

Meaning of brand

Now I still accept



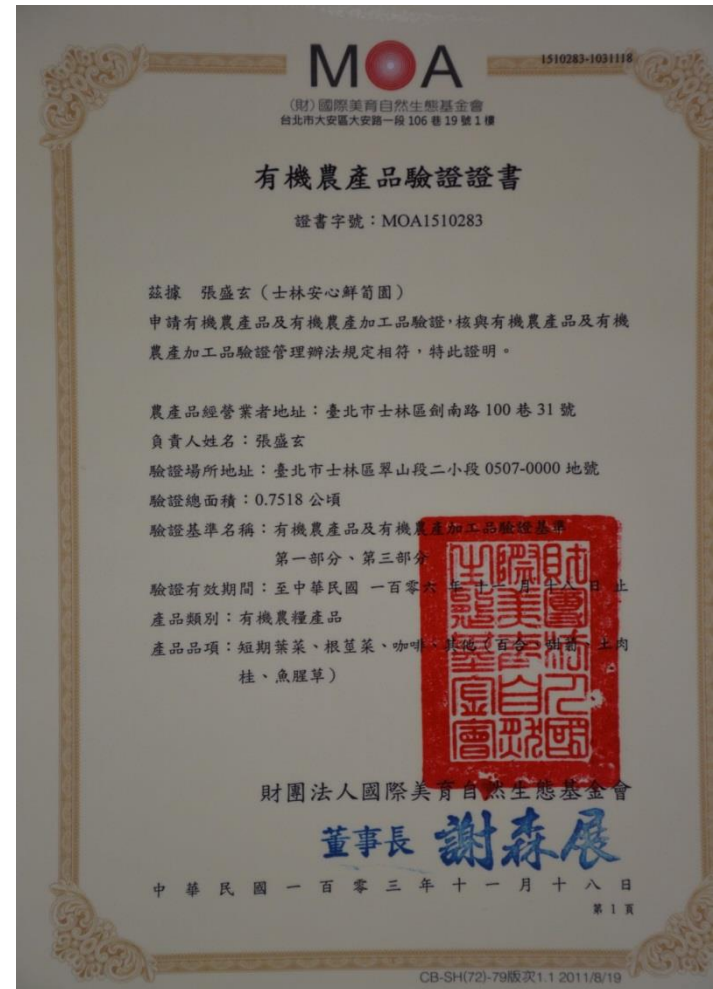
Liu-Kung Agriculture Foundation, Taipei assistance
and

also a member of team ,the name is (Anxin Shuguo)
.mean "high quality vegetables and fruit"

The foundation helps the farm solve problems and
conduct annual test of pesticide for free.



Organic certification

Certification Unit:
MOA International




Bamboo Shoot Test


財團法人台北市瑞公農產產銷基金會
農業檢驗中心
新北市新店區民權路50號4F
Liu-Kung Agriculture Foundation, Taipei
Agriculture Chemical Analysis Center
TEL: (02)2915-8703 FAX: (02)2915-8704

 
Testing Laboratory
1116

檢驗報告



1. 檢體編號: 201310318-04
2. 收件日期: 2013/10/23
3. 檢體名稱: 竹筍
4. 委託單位: 張盛玄
5. 委託者地址: 台北市大安路一段106巷19號1樓
6. 樣品編號或品牌: MOA1510283P-1
7. 檢驗項目: 農藥
8. 檢驗方法: 行政院衛生署公告 食品中殘留農藥檢驗方法-多重殘留分析法(四)
及殺菌劑二硫代胺基甲酸鹽類之檢驗(二)
9. 檢出細目: 未檢出
10. 檢驗結果: 合格
11. 檢驗結果依據衛生福利部102.09.26部授食字第1021350575號公告之標準而定
12. 本資料僅對送檢樣品負責



報告簽署人:  日期: 2013.10.29
LKAF-QP20-01

Bamboo Shoot Test

LIU-KUNG AGRICULTURE FOUNDATION, TAIPEI
AGRICULTURE CHEMICAL ANALYSIS CENTER
4 th FL, 50, Min-Chuan Road, Hsintien
Taipei, Taiwan, R.O.C.
TEL: (02)2915-8703 FAX: (02)2915-8704

 
Testing Laboratory
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ANALYSIS REPORT

Sample No.: 200808084-04 Matrix: Bamboo sprout
Received date: 08-14-2008
Client: Production Consulting Section
Client sample I.D.: Chang, Shen-hsuan
Application form No.: 17646
Analysis item: Pesticide
Analysis method: CNS13570-2, N6276-2 & Department of Health Executive Yuan 77.03
Reporting date: 11-06-2008

SUMMARY

Pesticide	Concentration (µg/g, ppm)	Detection Limit (µg/g, ppm)
* 3-Of Carbofuran	ND	0.01
Butocarbexim	ND	0.01
* 3-Keto Carbofuran	ND	0.01
* Carbofuran	ND	0.01
* Carbaryl	ND	0.01
* Aldicarb sulfonide	ND	0.01
* Aldicarb sulfone	ND	0.01
* Aldicarb	ND	0.01
* Metolcarb	ND	0.01
Bendiocarb	ND	0.01
* Methomyl	ND	0.01
* Thiodicarb	ND	0.01
XMC	ND	0.01

1



















Green Bamboo Shoots with Shells Sealed in Vacuum Bag



Green Bamboo Shoots without Shells Sealed in Vacuum Bag



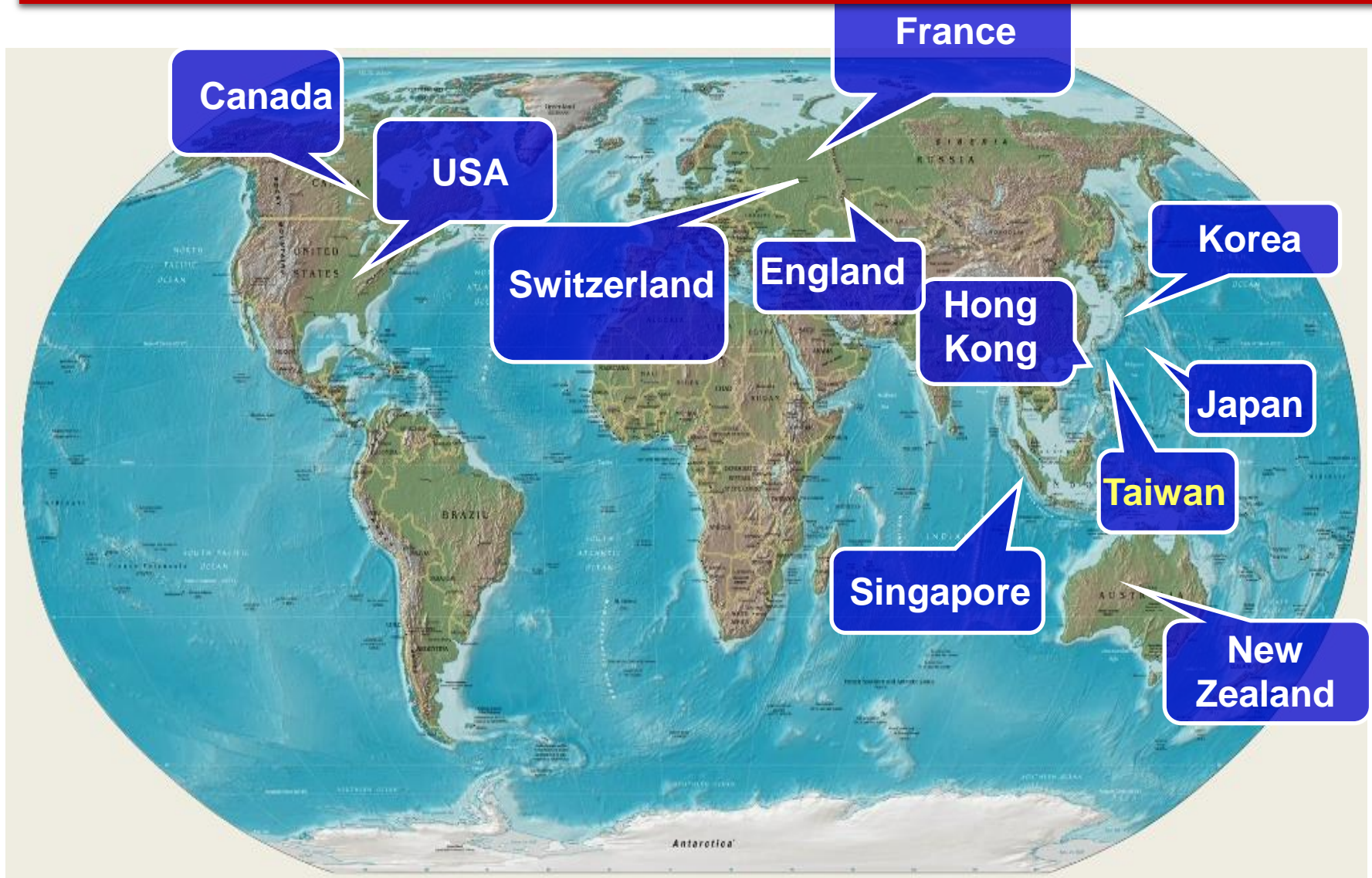
Motives for developing scientific production according to the law of nature

1. **Constantly increasing costs and difficulty with raising selling price for agricultural products.**
2. **Pest prevention without using pesticides.**
3. **Traditional approach for green bamboo shoots is short and lasts for about 4 months. The scientific approach will have yields all year round and high quantity for export.**
4. **Green bamboo shoot seedling in general takes at least 3 years while scientific approach takes only 4 months for harvest with 10 times of production quantity.**
5. **Preservation for green bamboo shoot after collection is difficult and must be collected in the morning. Ice water is developed to preserve and can be collected 24 hours a day.**
6. **Developing vacuum bag without chemical additives for global marketing.**

Benefits of using scientific production approach

1. Annual production, high output, high quality, meeting consumer requirement today.
2. No pesticides required and can pass increasingly rigorous examination issues by different countries.
3. Reduce fertilizer by half to substantially reduce the costs. High output, good quality and increased income.
4. More output for export.

Export Countries of Bamboo Shoots include the follows:



Export issues and options of cooperation

1. The farm does not directly work with foreign customers for trade and can work with the trading company which foreign customers chose directly to save manpower and costs. The farm will collect cash upon delivery.
2. Foreign customers or trading companies can understand or find relevant information on the farm through the farm's website. Anxin Bamboo Farm website: <http://bamboofarm.myharmonica.net/index/default.asp>
3. Current situation shows long pre-order period in 1 or 2 years or else the lead-time will be very long.

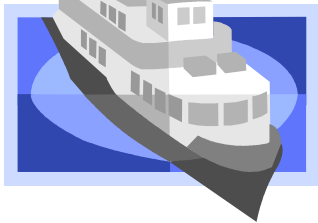
Issues related to Letter of Credit (L/C)



Foreign customers and banks



Custom clearance and transport related issues



Export Practice



On-site pickup

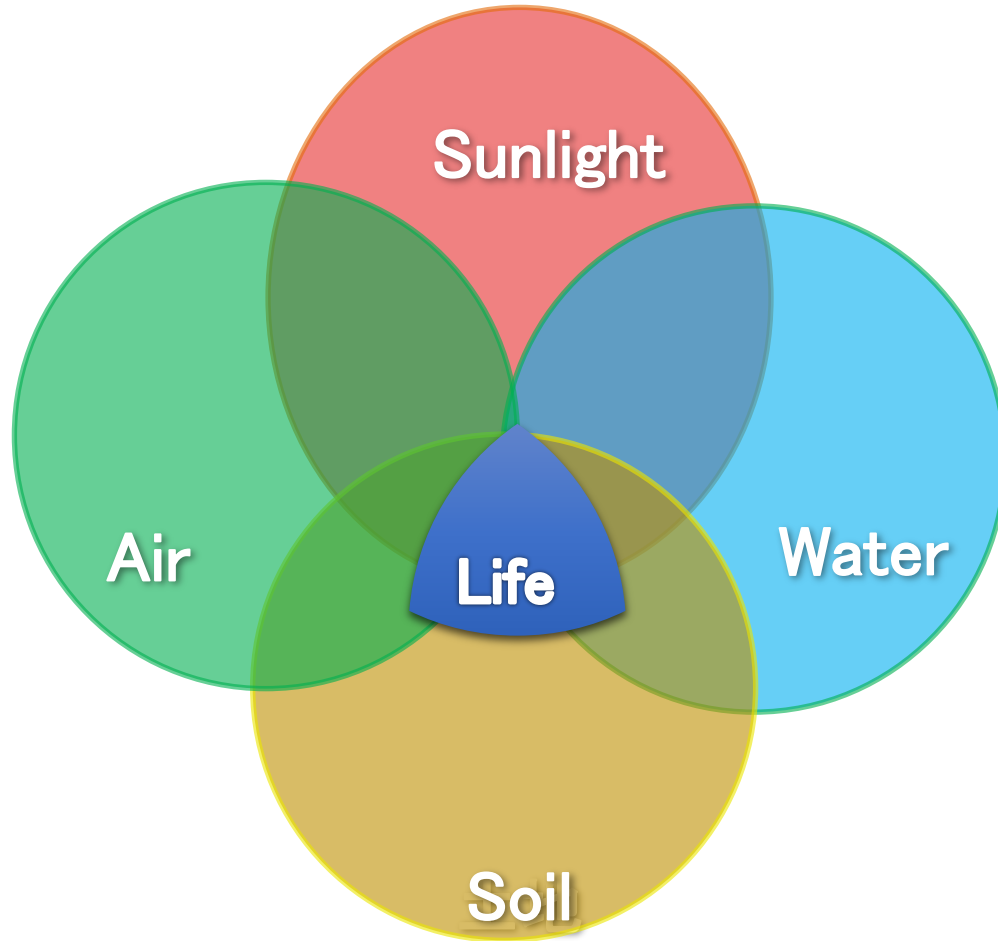
Cash on delivery

Trading company



Life – Natural phenomenon

Science explains natural phenomenon.



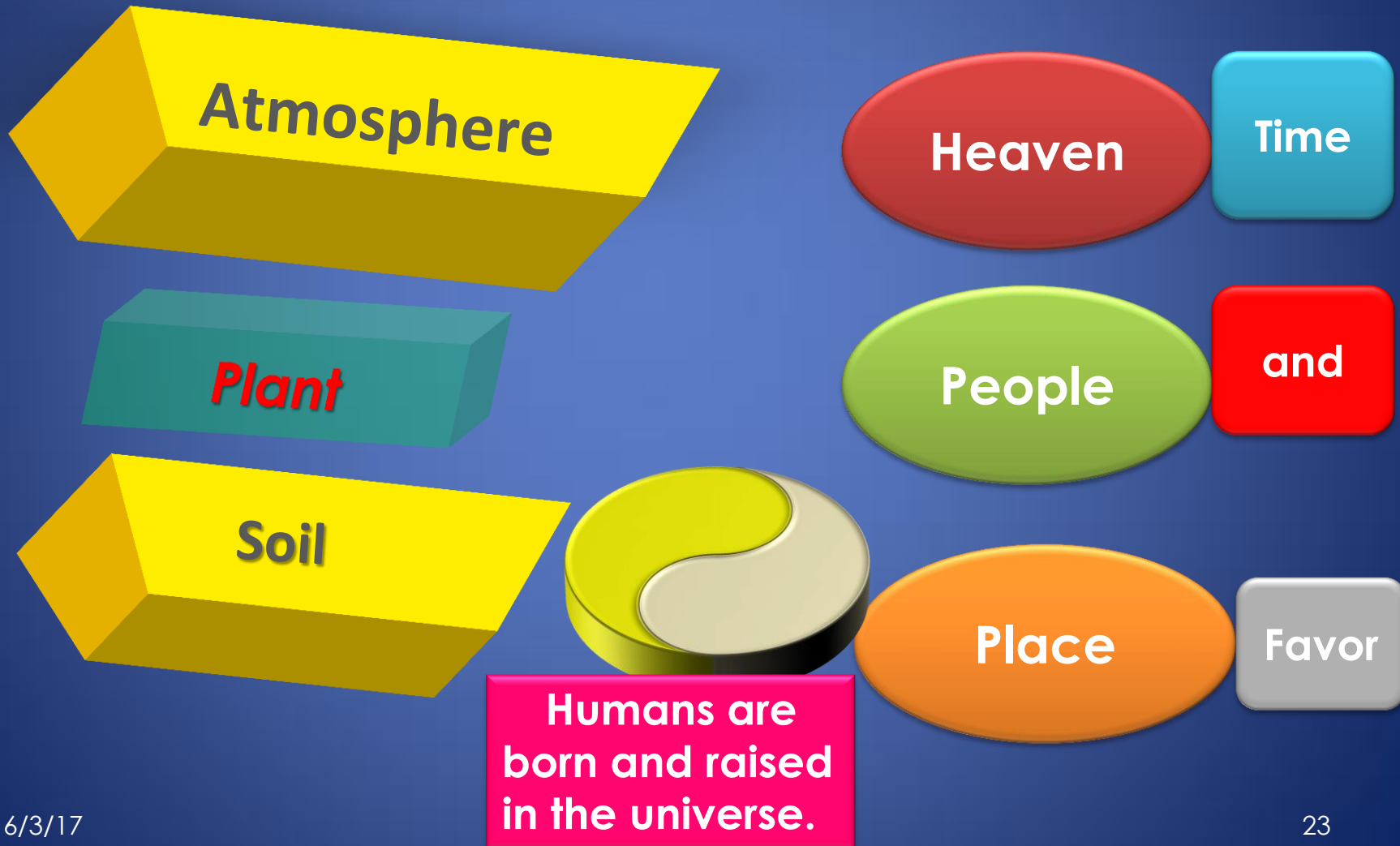
Human and plants grow under the law of nature under heaven and earth.

Follow the right time and right place to produce healthy product timely, properly and appropriately.

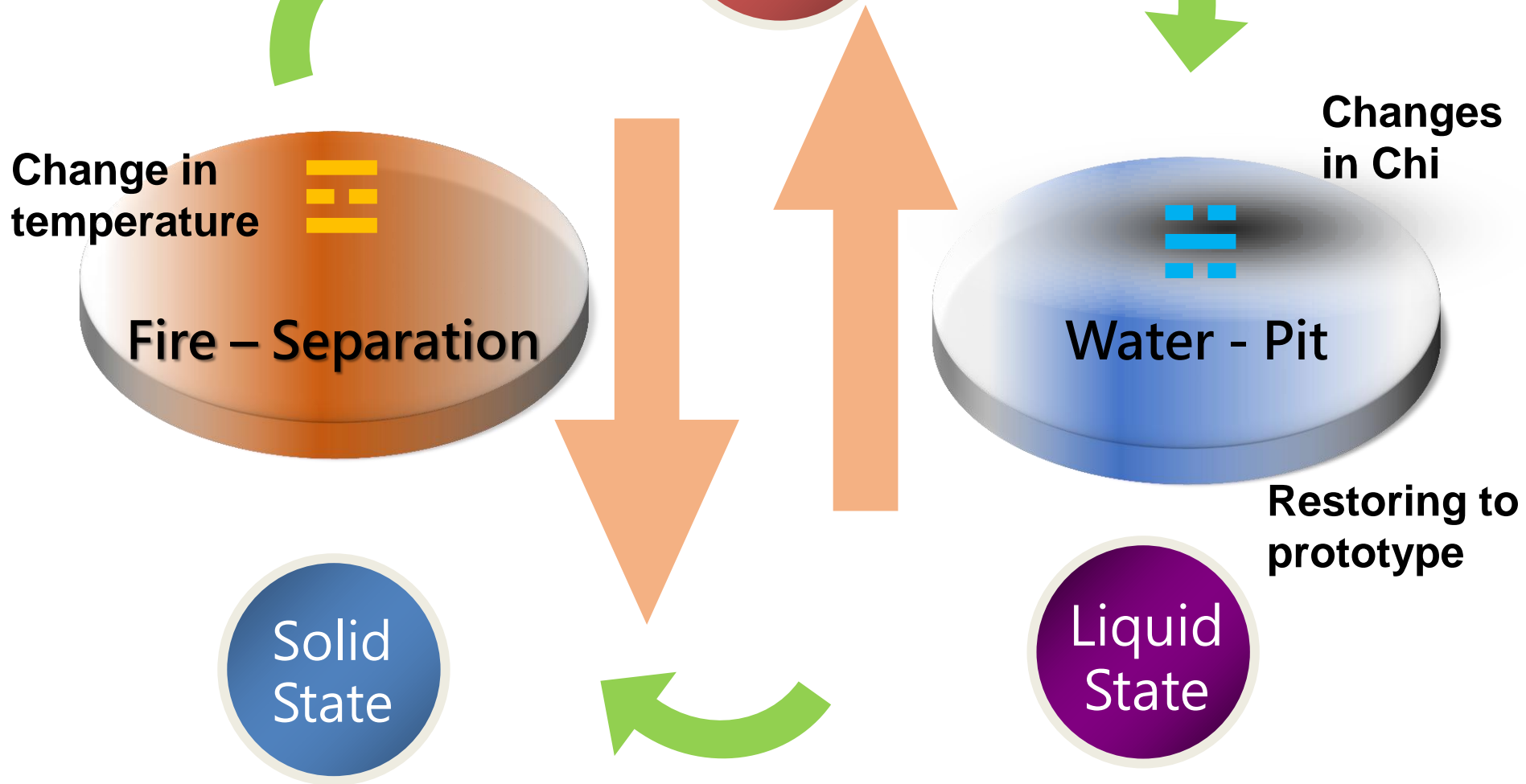
The key principle of organic cultivation is also the fastest scientific approach.

It is a simple principle that one can study for a life time.

Soil-Plant-Atmosphere Continuum



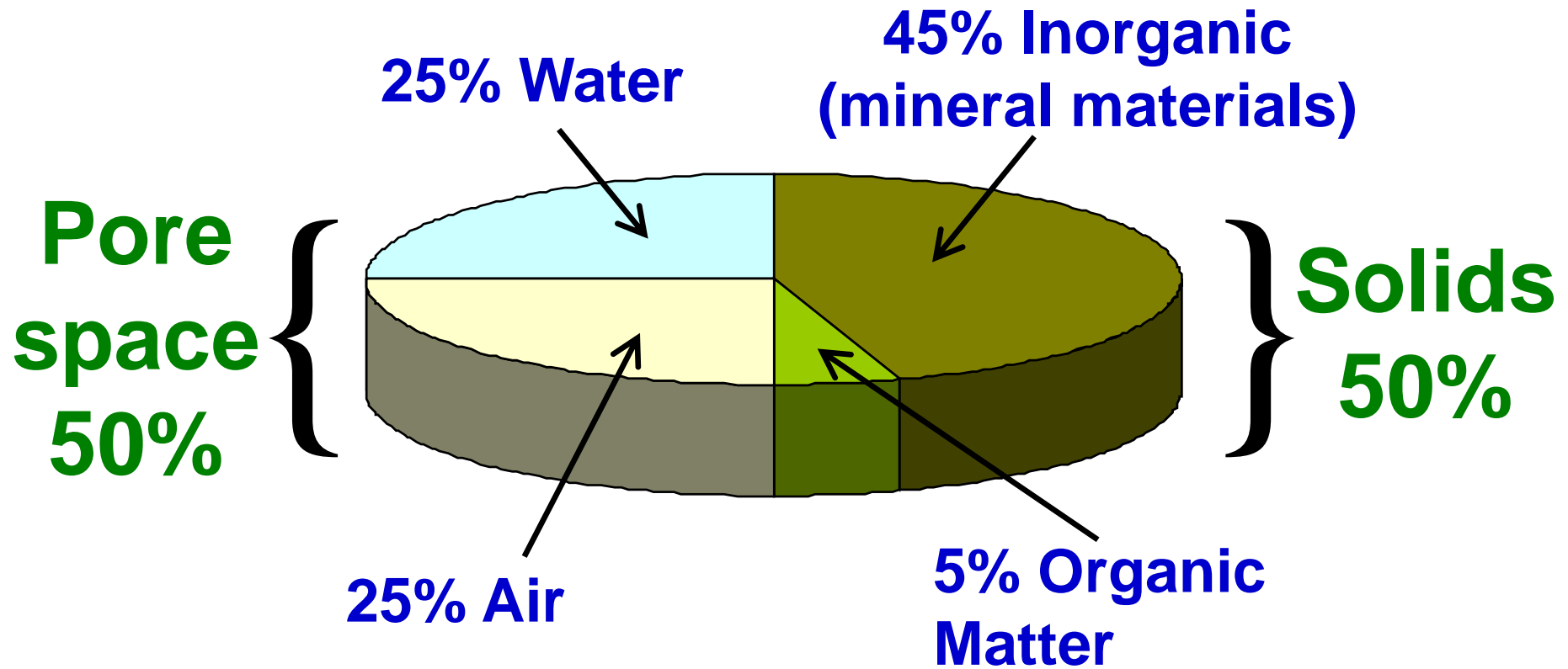
**Boundary and state →
converting to water, fire
and gas**



Human should follow the law of nature

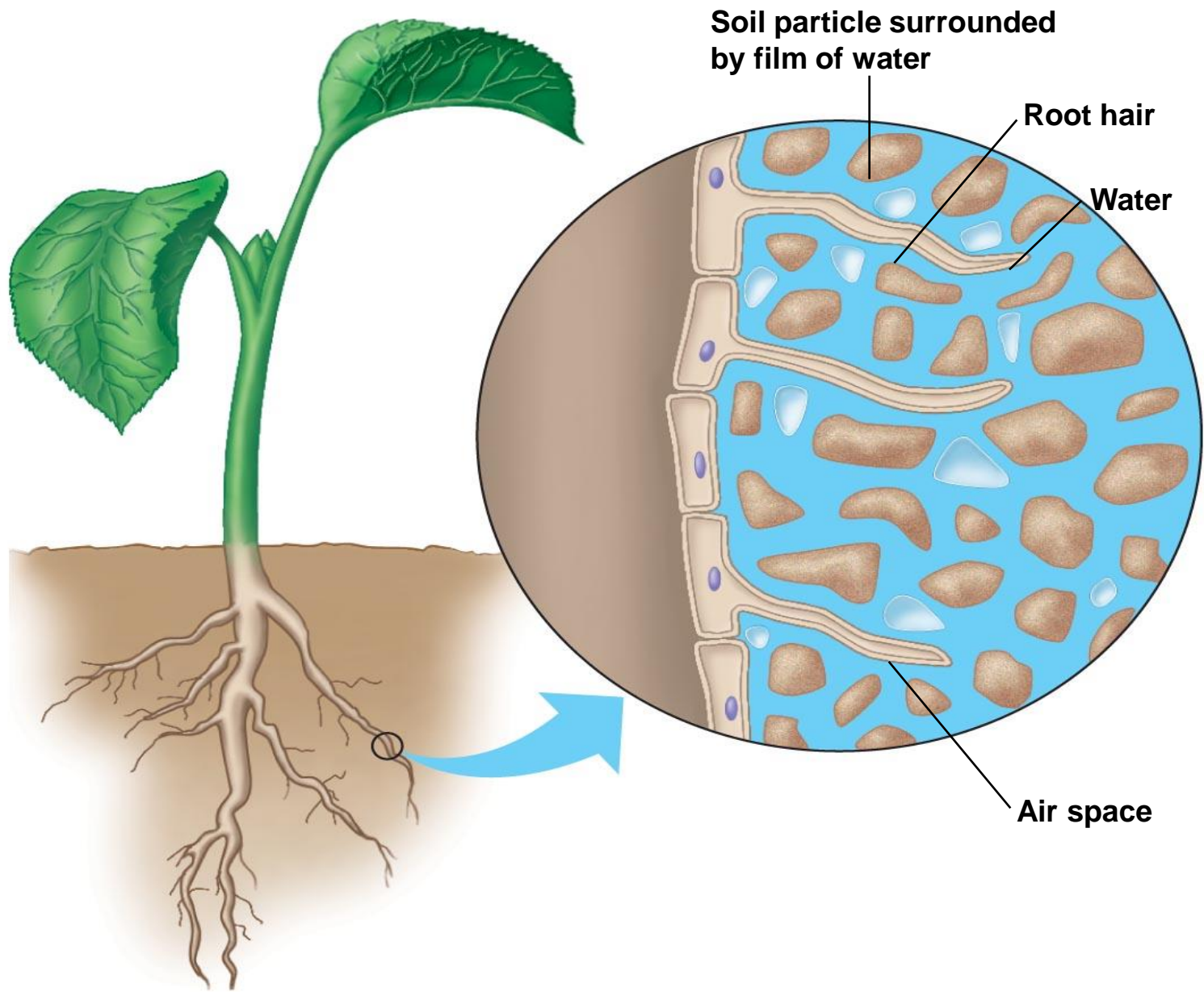
- Light, air and rain are provided by the nature. Human should learn and follow the law of nature, treat the land well, cultivate according to the season, and take care of the land before producing safe, high-quality and high-output healthy agricultural products.
- My products are produced this way.

Average Soil Composition



Water is inversely proportional to air

Ratio between solid and space changes constantly.



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Downward Root Induction

- **First, liquid fertilizer, micro-bacteria**
- **Second, cultivation, cut root surface**

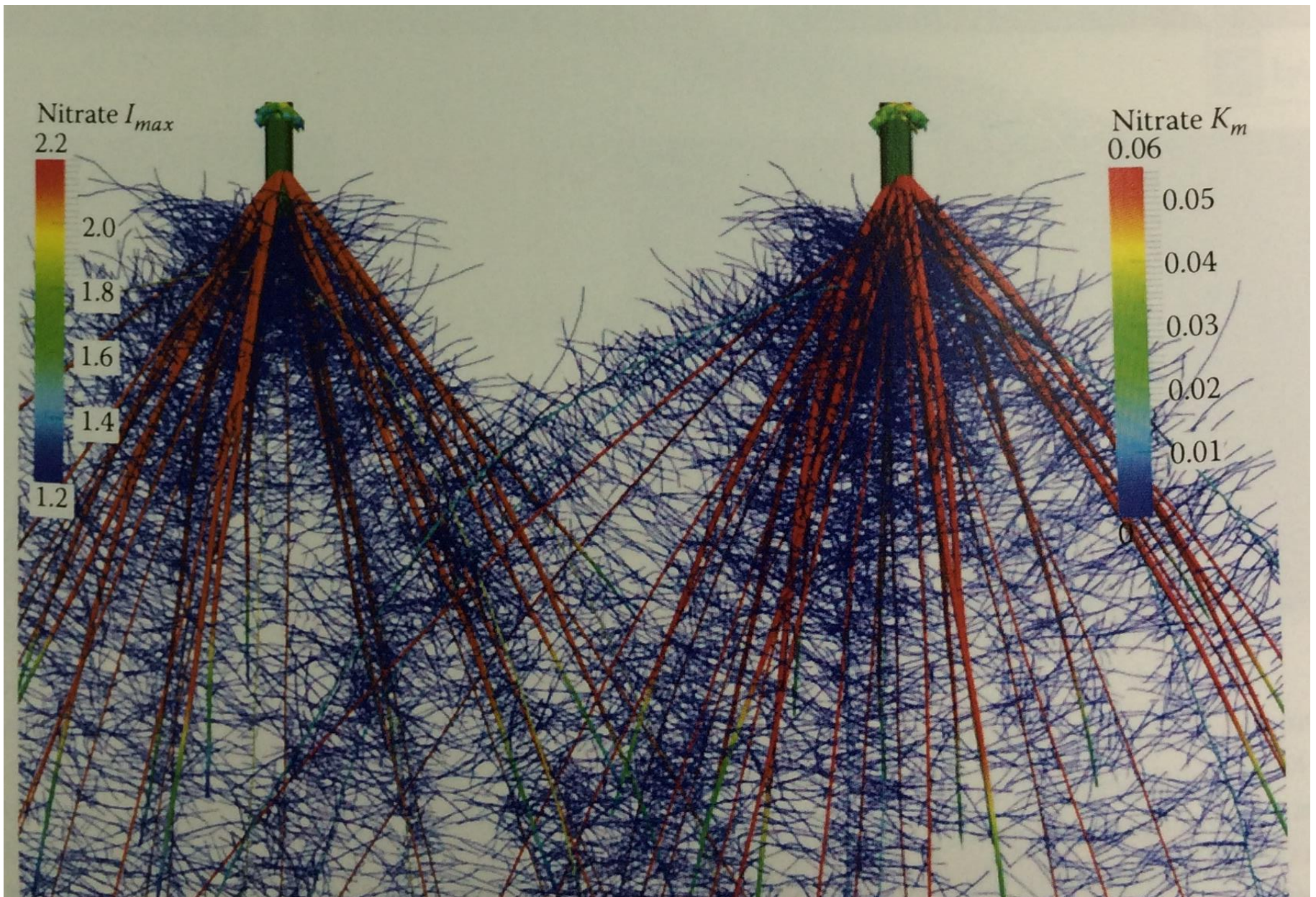


**Approaches inducing
root to in-depth**

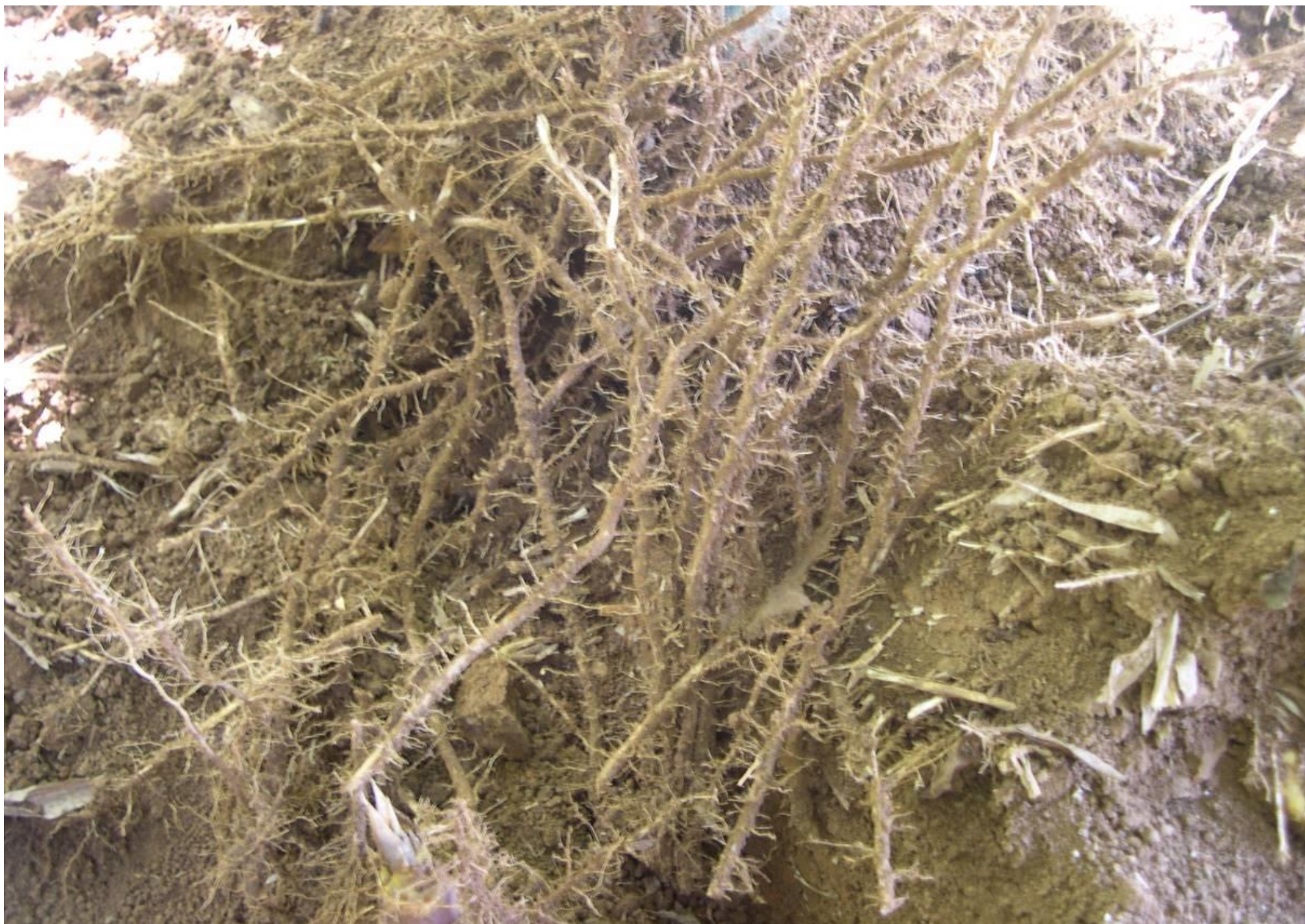




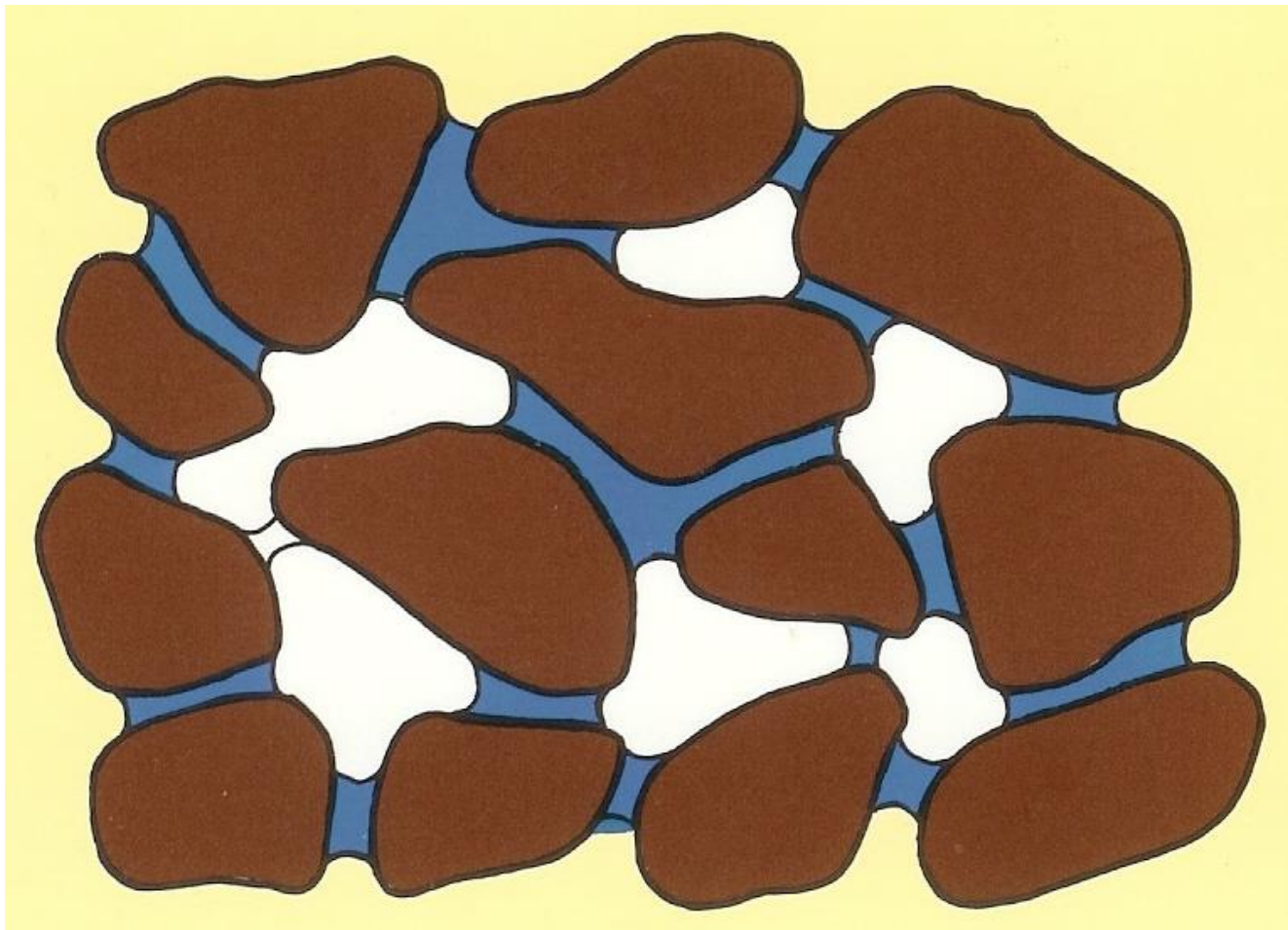






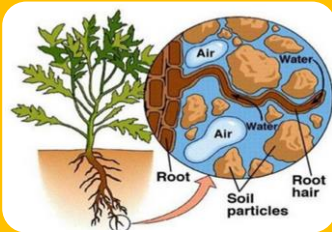




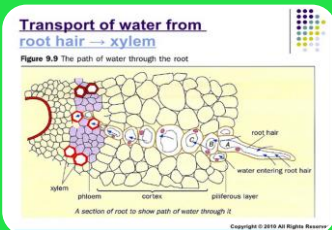


- Three-Phase System of Soil:
 - Solid (Soil Particles, Organic Particles)
 - Liquid (Soil Water, Soil Liquid)
 - Gas (Soil Gas)

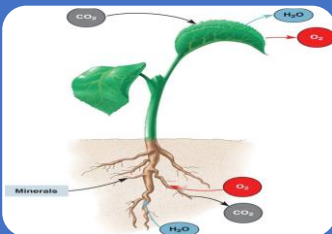
Three Water Management for Crops



Water management for roots



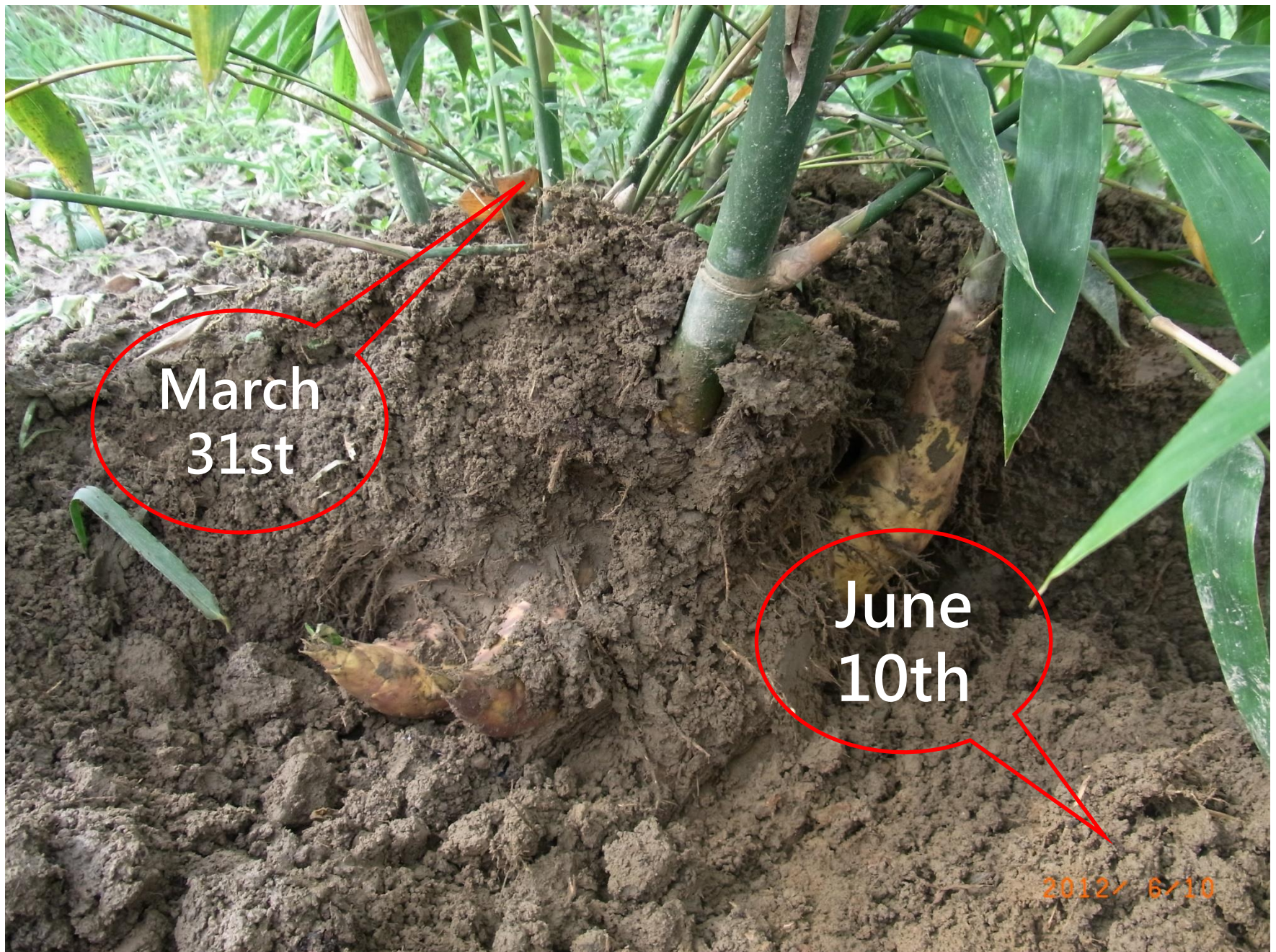
Management to the plant through the root



Humidity in air
outside of the plant

Records required.
Record temperature
and humidity indoor
and outdoor daily.





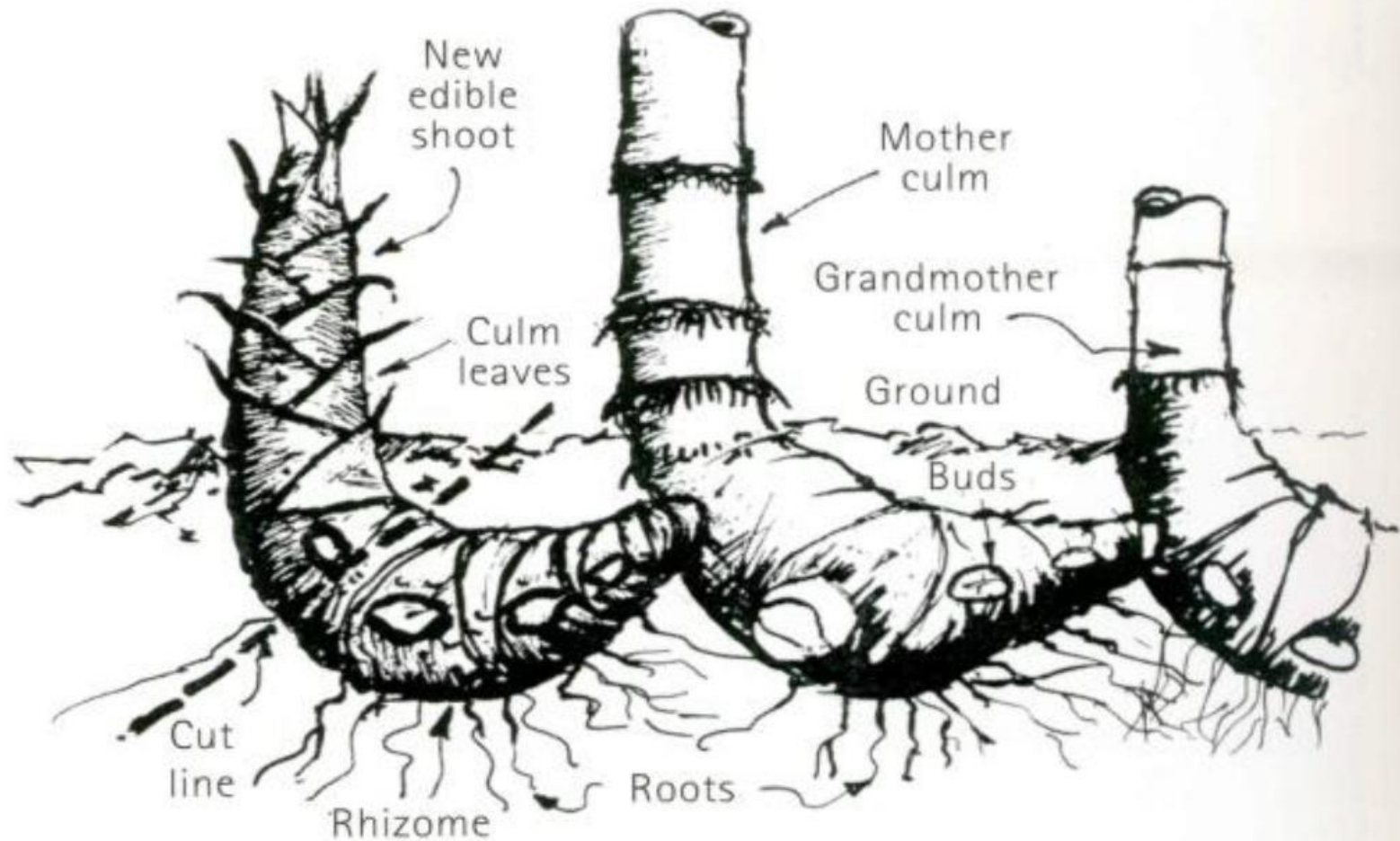












Clumping (sympodial) shoot

(Cusack, 1999)



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Facebook

<https://www.facebook.com/zhu.daren>

Thank You !