

# AgriTalk Smart Agriculture

Predict, Prevent, Precise (3P)

**Monitor : Micro-weather Station**

**Predict**



## Above the Ground :

- Temperature
- Humidity
- Atmospheric pressure
- Light intensity
- Carbon dioxide
- Ultraviolet light
- Infrared light

## Below the Ground :

- Soil moisture
- Soil temperature
- Soil EC
- pH

✓ **Real-time monitoring**



**Precise & Prevent**



**Control**

Contains 16 relays



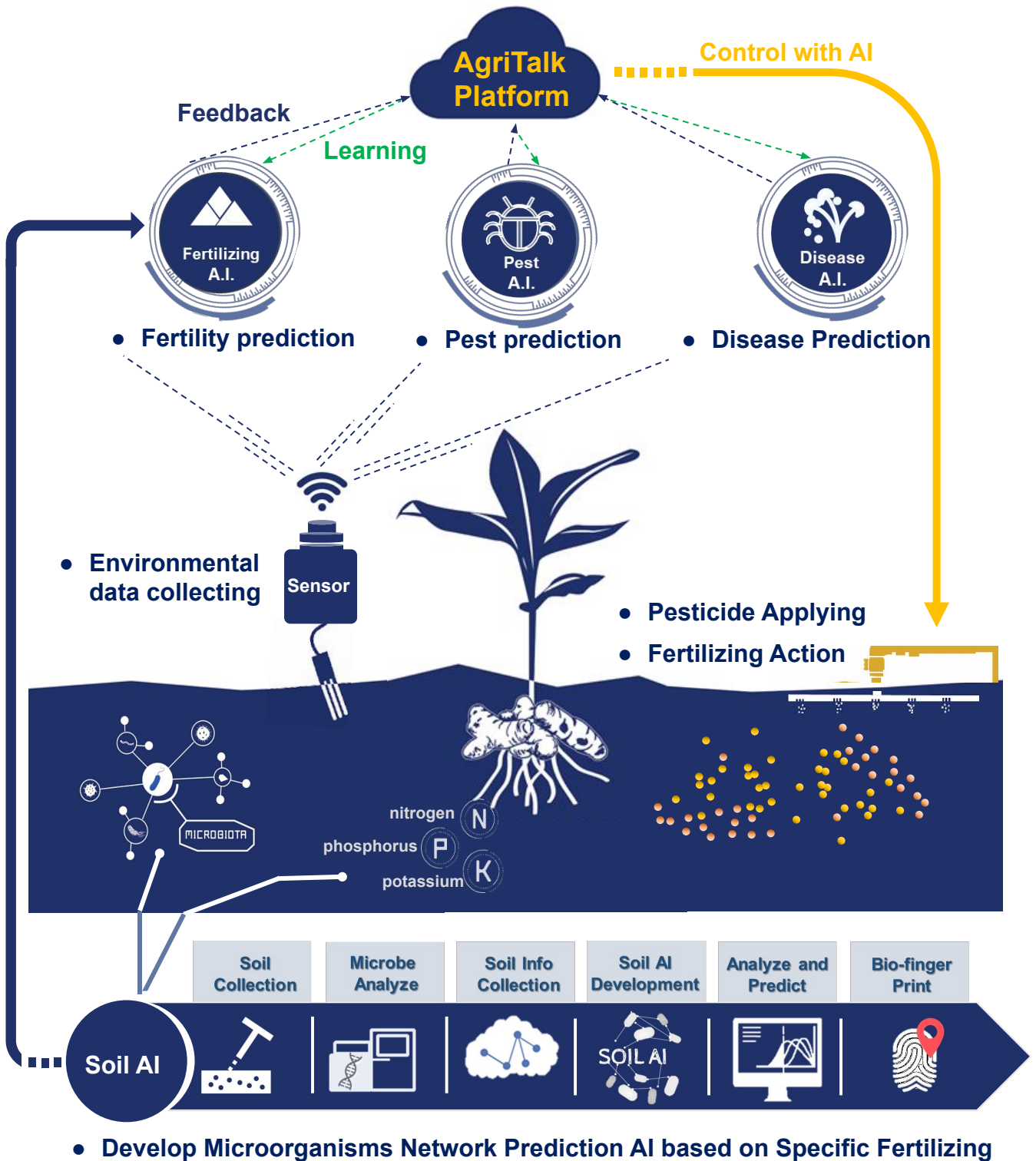
- ✓ **Precise farm management**
- ✓ **Prevent overuse of chemicals**
- ✓ **Produce toxic free crops**



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# AgriTalk revitalizes agriculture

# AgriTalk Smart Agriculture



**AgriTalk revitalizes agriculture**

# AgriTalk Smart Agriculture

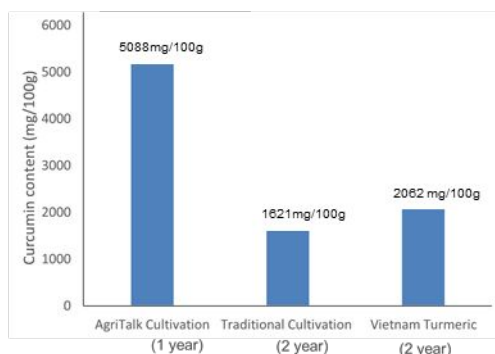
## Comparison of cultivation

**High yield with no fallow**

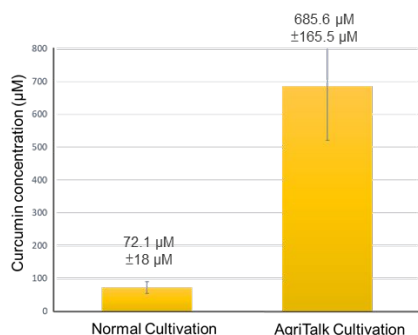
Company	Yield(kg) <sup>a</sup>	Cultivation Period (year)	Fallow (year)	Curcumin (mg/100g)
AgriTalk	96,000	1	0	5,088
Normal Field	21,700	2 and above	2	~3,000

a. Yield produced in 3 years/ha

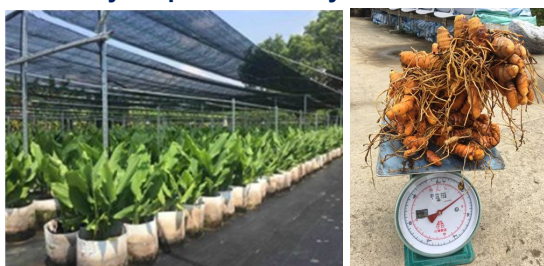
### 1. AgriTalk shorten cultivation period with higher curcumin concentration.



### 2. 9 times higher of curcumin content in turmeric leaf than normal cultivation method.



### 3. Healthy crop and fruitful yield.



**SGS**

食品實驗室-台北  
FOOD LAB-TAIPEI  
測試報告  
Test Report

Page : 1 of 2

National Chiao Tung University  
EF469, No.1001, University Rd., Hsinchu, Taiwan

Report No. : FA/2019/31355A-04  
Date : 2019/03/18

THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

Product Name : Turmeric-Area3  
Sample condition : Please refer to the photos for sample shown at the last page of this report  
Item No. : —  
Lot No. : —  
Applicant : National Chiao Tung University  
Manufacture Date : —  
Expiry Date : —  
Country of Origin : Taiwan  
Sample Received : 2019/03/07  
Testing Date : 2019/03/07

Test Results:

**Prove: Heavy metals free**

Test Item	Test Method	Results	LOQ/LOD (Note 3.)	Unit
Arsenic (As)	With reference to Method Food NO.1031901169	N.D.	2.0	ppm(mg/kg)
Lead (Pb)	Announced. General Method of Test for Heavy	N.D.	2.0	ppm(mg/kg)
Cadmium (Cd)	Metals Analysis was performed by ICP-OES.	N.D.	2.0	ppm(mg/kg)
Mercury (Hg)		N.D.	2.0	ppm(mg/kg)

Note : 1. The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.  
2. The report is in vain if it is partly reproduced or used.  
3. If the testing item belongs to quantitative analysis then this column describes Limit of Quantification(LOQ).  
4. If the testing item belongs to qualitative analysis then this column describes Limit of Detection(LOD).  
4. The testing result will be "N.D." or Negative for Limit of Quantification and Limit of Detection, respectively.  
- END -

**SGS**

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Page : 1 of 8

National Chiao Tung University  
EF469, No.1001, University Rd., Hsinchu, Taiwan

REPORT NO : FA/2019/31355A-03  
Date : 2019/03/18

The following sample(s) was/were submitted and identified by/on behalf of client as:

Type of Product : Turmeric-Area3  
Sample condition : Please refer to the photos for sample shown at the last page of this report  
Item No. : —  
Lot No. : —  
Applicant : National Chiao Tung University  
Manufacture Date : —  
Expiry Date : —  
Country of Origin : Taiwan  
Date of Sample Received : 2019/03/07  
Date of Testing : 2019/03/07  
Test Requested : Determination of the pesticides  
Test Method : With reference to AOAC Official Method 2007.01: Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate. Analysis was performed by GC/MS/MS and LC/MS/MS.  
Test Results : The sample was tested for 470 pesticides, and the results were found to be non-detected with those 470 pesticides as listed.

**Prove: Pesticides free**