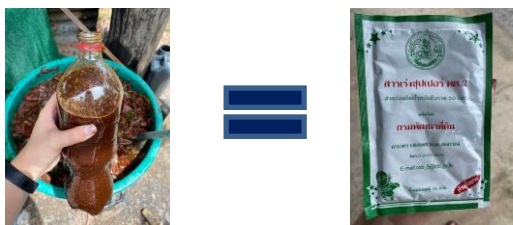


# Production of liquid Bio-fertilizer by method infection



Liquid bio-fertilizer 2 Liters (after fermented 5 days) can use production the new Liquid bio-fertilizer replace to use Microbial Activator Super LDD 2 25g

## Consideration of completely fermentation process

- Reduction of microbial growth.
- Reduction of CO2 bubble.
- Reduction of alcoholic smell.
- Dropping of sour smell.
- Dropping of pH down to 3-4.



## Rate to use for plant

Agriculture area	Rate to use liquid bio-fertilizer	Method to use
Growth phase	liquid bio-fertilizer 1 Lite Dilute with water 500 Lite in area 1.98 acre	Spraying or take liquid bio-fertilizer to the soil of stem every 10 days before flowering and fruiting
Vegetable and Flower	liquid bio-fertilizer 1 Lite Dilute with water 1,000 Lite in area 3.95 acre	Spraying or pour liquid bio-fertilizer to the soil of stem every 10 days
Fruit tree	liquid bio-fertilizer 1 Lite Dilute with water 500 Lite in area 0.79 acre	Spraying or take liquid bio-fertilizer to the soil of stem every 1 month in growing phase before flowering and fruiting

## Benefit of Microbial Activator Super LDD 2

1. Promote flowering and fruiting
2. Promote seeds of germination
3. Promote of leaves growth and the elongation of the stem



### Reference

Land Development Department (LDD). Thailand.



# How to production of liquid Bio-fertilizer for plant growth

By

**Microbial Activator Super LDD 2**

# Utilization of Microbial activator Super LDD 2 for produce bio-extract

**Microbial activator Super LDD 2 is a group of high efficient microorganisms which can activate fermentation and digestion process of organic waste such as fresh and succulent from fruit, vegetable, fish and snail by effective microorganisms in anaerobic and facultative anaerobic condition.**

***The components of bio-extract are plant growth hormones (auxin, gibberillin, cytokinin), amino acid, humic acid, organic acid, vitamin and minerals. They consist to 5 stains of microorganisms:***

1. *Pichai membranifaciens*
2. *Lactobacillus fermentum*
3. *Bacillus megaterium*
4. *Bacillus subtilis*
5. *Burkholderia unamae*

# Featured of Microbial Activator Super LDD 2

- Can produce biological fermentation from a variety of raw materials such as vegetables, fruits, fish, shellfish, egg shell bone and bone fragments
- Increases the efficiency of nutrient dissolution in fermentation of raw materials from egg shell bone and animal bone.
- is a microorganism that grows in acidification  
Most microorganisms generate spores, making them resistant to the environment and storage is a long times
- It can produce is a short time

# Ingredient of production

Liquid bio-fertilizer from vegetable or fruit 50 Liters (Fermentation time: 7 days)  
>>Vegetable or Fruit (Low quality) >> 40 kg  
>>Molasses >> kg or Brown sugar 5 kg  
>>Water >> 10 Liters  
>> Microbial Activator Super LDD 2 >> 25 g (1 pack)



# Method of production

Chopped fresh and succulent of Vegetable or Fruit 40 kg



Mixed water 10 Liters+ Molasses 10 Liters+ Taking Microbial Activator Super LDD 2 1 pack on plastic bucket and stir for 5 minute



Taking fresh and succulent of Vegetable or Fruit 40 KG, Taking the water to flood the material and mixing again



Close a cover and put the tank under shady area



During the fermentation, stir every 2 days

After 7 days



Already to use

