



# Long Control Fertilizer

*CRF: Controlled Release Fertilizer*



High performance technology of Fertilizer



CENTRAL GREEN CO., LTD

# What is LONG CONTROL FERTILIZER ?

(CRF : Controlled Release Fertilizer)

Slow Release Fertilizer is slowly effective.  
However It can't control the effective time.

Long Control Fertilizer is Controlled Release Fertilizer.  
This is one of Slow Release Fertilizer.

Long Control Fertilizer can control the effective time,  
100days, 120days, 140days and else.

## How does Long Control Fertilizer work

### General fertilizer

Basal  
fertilizer



Top  
dressing



Top  
dressing



Top  
dressing



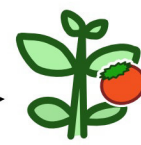
### Long Control Fertilizer

Basal  
fertilizer



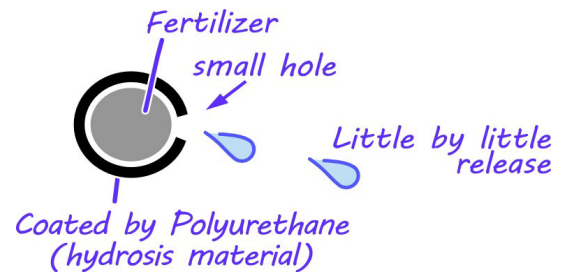
fertilizer works long time

No need top dressing  
(Labor saving)



# How does it work

## Controlled Release Fertilizer



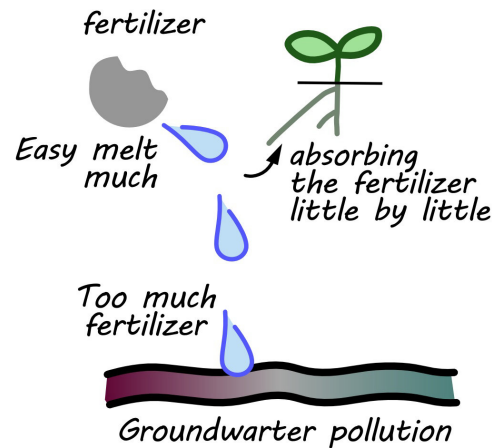
## Release time



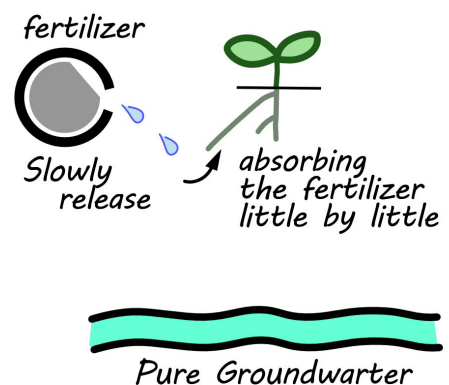
We can controll the release time  
Chemical fertilizer and Organic fertilizer  
can't control the release time.

## Environmental

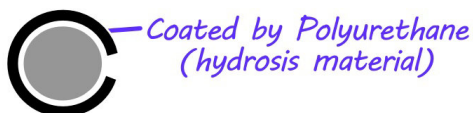
### Chemical fertilizer



### Long Control fertilizer



## Coated Material



Polyurethane be decomposed by  
Water, Ultraviolet Ray, Temperature,  
Salt content, Vacteria and else.

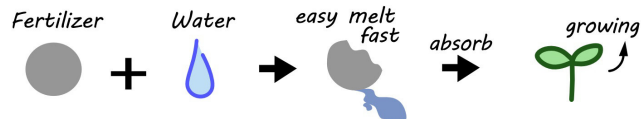
Little by little decompose.

We are using the plant oil in one of poly coated raw material. We don't use 100% fossil fuel in poly coated raw material for the earth resource protection.

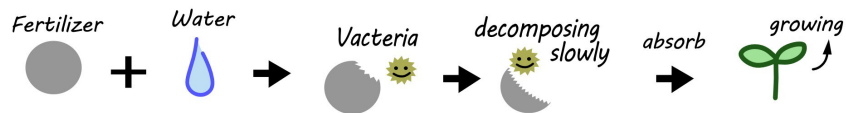
# Difference of effective

## Effective for Chemical, Organic, Long Control

### Chemical Fertilizer



### Organic Fertilizer

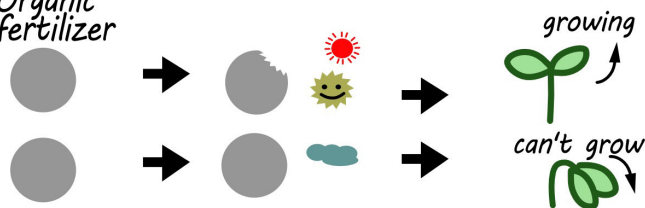


### Long Control Fertilizer



## The difference of working

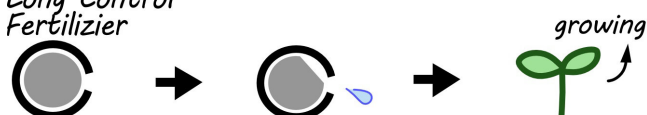
### Organic fertilizer



If weather is warm and there is vacteria in the soil,  
Organic fertilizer work.

Cold weather and there is not vacteria, in the soil,  
Organic fertilizer doesn't work.  
And we don't know when Organic fertilizer work.

### Long Control Fertilizer



All time fertilizer release, little by little.

# Difference of effective time

## Effective curve

### Chemical Fertilizer



### Organic Fertilizer



### Long Control Fertilizer



# Following is Simulation software for Long Control Fertilizer.

## ■原料シミュレート

シミュレート開始日	シミュレート期間	地域コード	原料1	原料2	原料3	原料4	原料5	原料6	原料7	原料8	原料9	原料10
4月1日	200日間	Canberra	10000	20000	30000	40000	50000	60000	70000	80000	90000	100000

			4月1日	4月2日	4月3日	4月4日	4月5日	4月6日	4月7日	4月8日	4月9日	4月10日	4月11日	4月12日	4月13日	4月14日
原料1	積分															
	微分															
原料2	積分															
	微分															
原料3	積分															
	微分															
原料4	積分															
	微分															
原料5	積分															
	微分															
原料6	積分															
	微分															

