



# Nousbo Fertilizer Comprehensive Catalog

**Innovative Fertilizer Solutions for a Sustainable Future  
South Korea**





## ***Nousbo Ulsan Plant***

Nousbo's products are manufactured in South Korea using Nousbo's proprietary technology.

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| Water soluble Fertilizer            |         |            | WSF  |
| Slow Release Fertilizer (SRF)       |         |            |      |
| Organic Fertilizer                  |         |            |      |

## HI-COTE

## Slow release Fertilizer

## Water soluble Fertilizer

## Organic Fertilizer

## Functional Fertilizer

## Soil Conditioner

## Home Garden Fertilizer

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# HI-COTE<sup>®</sup> TECHNOLOGY



## UNIFORM Granules

| PCU (Polymer Coated Urea) |         |
|---------------------------|---------|
| Linear                    | 42-43%  |
| Sigmoid                   | 38-39%  |
| Granule Size              | 3-4.5mm |
| pH                        | 7.0     |
| Hardness                  | 3kg / f |

## Why Should use CRF?

### Quality control

- Precise and uniform coating technology
- Guaranteed longevity (according to plant needs)

### Labor Saving

- One time application provides all NPK requirements until harvesting
- Eliminates the need for additional top dressing

### High Fertilizer Utilization and Economical Efficiency

- Increases utilization by reducing fertilizer loss (leaching, volatilization, etc.)
- Reduces total fertilizer use

### Eco-friendly

- Reduces groundwater pollution
- Reduces greenhouse gas emission

## Coating Process

The CRF Coating Process involves spraying of coating material onto a fertilizer granule, resulting in the formation of a coating capsule. The uniformity and accuracy of Nousbo CRF are achieved through the application of a special coating technology.

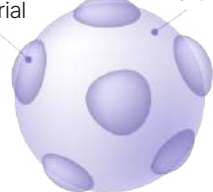
Coating Material



01. Spraying

Coating Material

Fertilizer



02. Adhesion

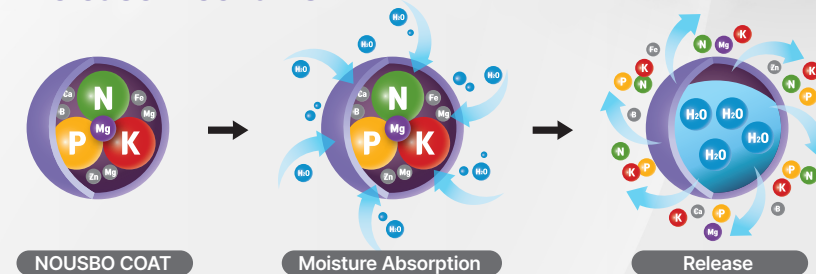
Coating Capsule

Fertilizer



03. Coated Particle

## Release Mechanism

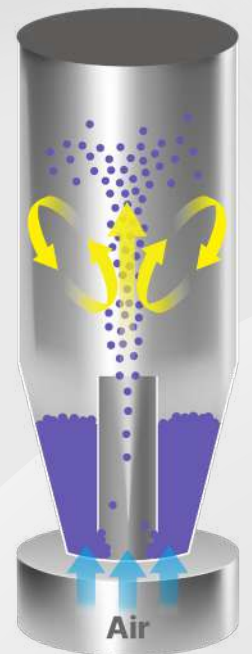


## Coating

HI-COTE granules are coated with a uniform, flexible polymer layer applied using a fluidized bed technique. This coating prevents clumping caused by collision damage and accelerated osmosis, ensuring consistent release rates and improved performance.

## Customizable Formula

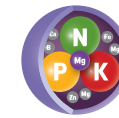
The longevity period ranges from 40 days to 360 days, tailored to the growth needs of crops and local conditions such as application methods, climate, and more.



Customizable Formula ✓

Consistent Granule Size ✓

Durable yet Pliable ✓



[ Homogenous type CRF ]



Linear/Sigmoid Release ✓

Strong Start, Long-Lasting End ✓

100/180/270/360 Days ✓

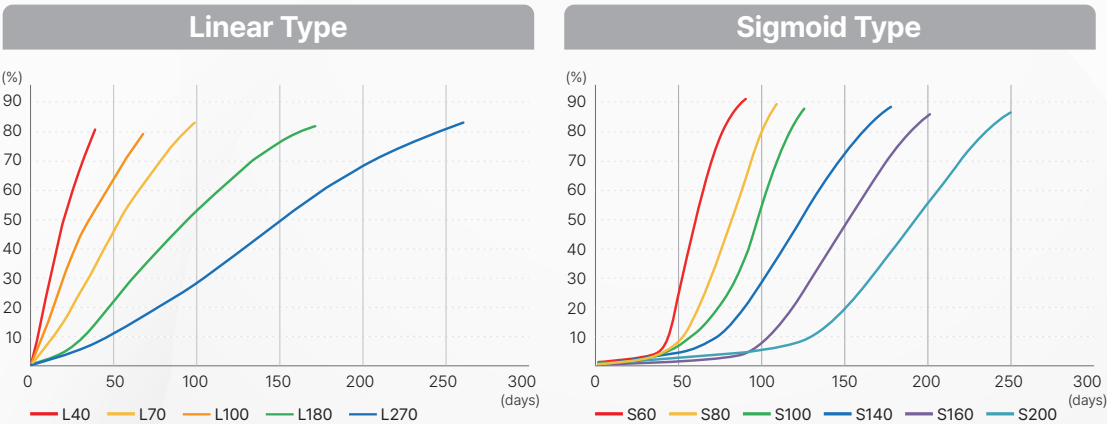


[ Polymer Coated Urea, MAP, MOP ]

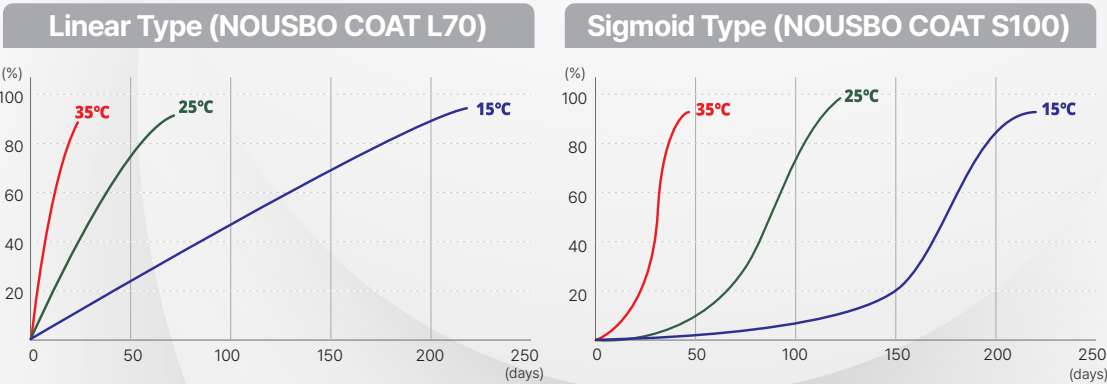
# Elution Mechanism

- \* **Linear Type** : Provides constant nutrient release throughout the growth cycle.
  - Nutrients begin to be released constantly from the beginning of application to the end in measured portions.
- \* **Sigmoid Type** : Controls nutrient release according to the growing stage of the crop.
  - Designed to delay nutrient release until crop growth and nutrient absorption needs require it.
  - Avoid any risk of seed burning or early loss.

## Cumulative Release Curve (25°C)



## Release period according to temperature



\* Packaging sizes: 1kg, 5kg, 20kg



# Formula(%)

## Linear Type

|              | Release period days (25°C) | Formula     | Product Name      |
|--------------|----------------------------|-------------|-------------------|
| HI-COTE Urea | 40                         | 43 - 0 - 0  | HI-COTE UREA 40L  |
|              | 60                         | 43 - 0 - 0  | HI-COTE UREA 60L  |
|              | 80                         | 43 - 0 - 0  | HI-COTE UREA 80L  |
|              | 100                        | 43 - 0 - 0  | HI-COTE UREA 100L |
|              | 120                        | 43 - 0 - 0  | HI-COTE UREA 120L |
|              | 180~ 270                   | 42 - 0 - 0  | HI-COTE UREA 270L |
| HI-COTE MAP  | 100                        | 10 - 40 - 0 | HI-COTE MAP 100L  |
| HI-COTE MOP  | 100                        | 0 - 0 - 45  | HI-COTE MOP 100L  |

## Sigmoid Type

|              | Release period (25°C) | Formula    | Product Name      |
|--------------|-----------------------|------------|-------------------|
| HI-COTE Urea | 40                    | 42 - 0 - 0 | HI-COTE UREA 40S  |
|              | 60                    | 42 - 0 - 0 | HI-COTE UREA 60S  |
|              | 80                    | 42 - 0 - 0 | HI-COTE UREA 80S  |
|              | 100                   | 42 - 0 - 0 | HI-COTE UREA 100S |
|              | 120                   | 42 - 0 - 0 | HI-COTE UREA 120S |

AP  
Homogeneous type polymer coated CRF  
Uniform fertilizer effect

# HI-COTE ADVANCE

21 4 13 | 15 15 15 | 13 4 25

+ Contains sulfur, magnesium, calcium, etc.

Package 20kg



## Features

- **100% Coated Technology** | Manufactured with Nousbo's advanced coating technology for superior nutrient control.
- **Balanced & Uniform Nutrition** | Monotype fertilizer ensures all essential nutrients are delivered in every granule for consistent plant growth.
- **Customizable Longevity** | Controlled-release technology allows nutrient supply for up to 365 days, tailored to your crop's needs.
- **Beyond NPK** | Enriched with essential trace elements like Sulfur (S), Magnesium (Mg), and Calcium (Ca) for enhanced soil health and plant vitality.

## Formula (%)

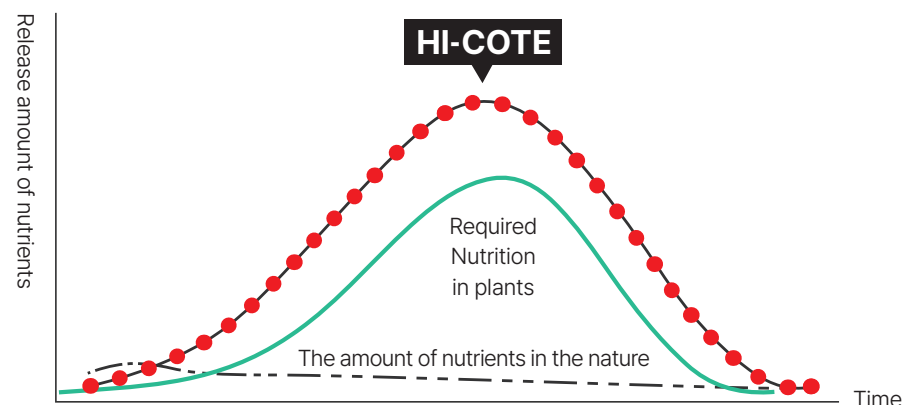
| Product | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | S | Trace elements         |
|---------|----|-------------------------------|------------------|---|------------------------|
| High N  | 21 | 4                             | 13               | 4 | Mg, Ca, B, Fe, Zn etc. |
| Balance | 15 | 15                            | 15               | 5 |                        |
| High K  | 13 | 4                             | 25               | 7 |                        |

\* Mono Type : One granule contains all of nitrogen (N), phosphorous (P), potassium (K), and trace elements

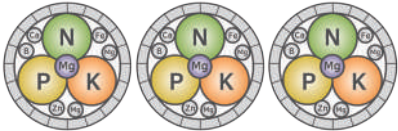
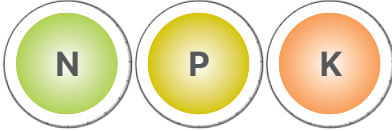
## Application

| Crop             | Dosage (g/plant)            | Application                                                |
|------------------|-----------------------------|------------------------------------------------------------|
| Fruit vegetables | 7~10 gram                   | Put it in the hole when transplant or on the side of plant |
| Leaf vegetables  | 7~10 gram                   |                                                            |
| Tree             | 2~5kg /week                 |                                                            |
| Flower           | 6~8g / 15cm diameter of pot |                                                            |

## Release rate of HI-COTE ADVANCE



## Advantage of HI-COTE ADVANCE

|  | HI-COTE ADVANCE                                                                                                                                                                                                                                                                                                         | Others                                                                                                                                                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Homogeneous type                                                                                                                                                                                                                                                                                                        | BB type                                                                                                                                                                                                                                            |
|  |  <ul style="list-style-type: none"> <li>• One grain of fertilizer contains all NPK</li> <li>• Unified effect by uniformed granule size.</li> <li>• Manufacturing high-quality fertilizer with the latest CRF technology.</li> </ul> |  <ul style="list-style-type: none"> <li>• Each granule has a different NPK</li> <li>• It is hard to release control due to different particle size.</li> </ul> |

Available supply nutrients as mini size fertilizer

# HI-COTE ADVANCE MINI

Re-scaled 1.2~2.4mm Mini coated CRF

Package 20kg



## Features

- **Optimized for Potting Mix & Soil Incorporation** | Ultra-fine granules blend seamlessly for even nutrient distribution.
- **Precision Nutrient Control** | Consistent granule size ensures accurate and efficient nutrient release.
- **Balanced Nitrogen Supply** | Formulated with Ammoniacal & Nitrate Nitrogen, delivering both immediate and sustained nitrogen release.
- **Soil-Friendly Formula** | Helps prevent soil degradation caused by urea-based fertilizers, promoting long-term soil health.

## Guaranteed contents (%/wt minimum)

| Product   | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | S | Trace elements         |
|-----------|----|-------------------------------|------------------|---|------------------------|
| High N    | 21 | 4                             | 13               | 4 | Mg, Ca, B, Fe, Zn etc. |
| Balance   | 15 | 15                            | 15               | 5 |                        |
| High K    | 13 | 4                             | 25               | 7 |                        |
| UREA Mini | 43 | 0                             | 0                | - | -                      |

## Guaranteed granule size



Mixed fertilizer with polymer coated

# HI-COTE SPECIALITY

N P K + Mg + S + TE

Package 1kg/5kg/20kg



## Features

- **100% All Coating** | All raw materials are 100% polymer coated.
- **Hand & Machine** | No dust, so it's applicable both by hand and machine.
- **Save Cost** | Only 1 time fertilization until harvest. Save money on labor and fertilizer cost.
- **Customizable** | Both the NPK formula and nutrient release days are customizable according to crops.

## Growing Stage

| Crop           | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | etc       | Maximum Release days at temperature |
|----------------|----|-------------------------------|------------------|-----------|-------------------------------------|
| HI COTE GRAIN  | 29 | 4                             | 10               | Mg, S, TE | 60 days @25°C                       |
| HI COTE FRUIT  | 20 | 6                             | 14               | Mg, S, TE | 90 days @25°C                       |
| Hi COTE VEGGIE | 23 | 5                             | 11               | Mg, B, TE | 180 days @25°C                      |

## The advantage of fertilizer for dibbling

- Reduces the labor due to sufficient to use only once in the season without additional use.
- Provide nutrients right next to the plant to reduce the waste from volatilization and leaching.
- Total amount of fertilizer use drops significantly. Save nature from fertilizer pollution.
- Reduces the amount of fertilizer, greenhouse gas and water pollution caused by excessive use of fertilizer are greatly reduced.
- The high-tech fertilizer designed to meet the crop nutrient needs and more convenient when using existing sowing machines or transplant machines.

AP

Slow release nugget type fertilizer  
for tree, shrub, and vine

# Jumbo Tabs

Package 20kg



## Features

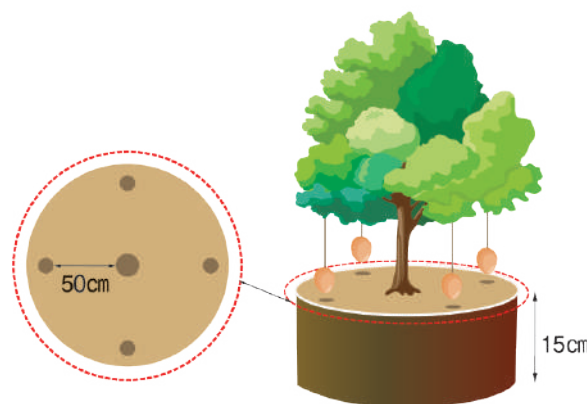
- **Slow Release Fertilizer** | Reduces labor costs by slowly releasing nutrients around the root zone for about 6 months.
- **Uniform Sized Nugget** | User friendly with each tablet weighing about 1 oz.
- **NPK + Micro Element** | Provides nutrients needed for growth and production of high quality fruits.

## Formula (%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO | Etc.     |
|----|-------------------------------|------------------|-----|----------|
| 13 | 7                             | 7                | 5   | Ca, S, B |

## Application

| Plant                    | Recommending Dosage            |
|--------------------------|--------------------------------|
| Tree, Fruit trees, etc   | 5 nuggets per 1.5m tree height |
| Plants in pot            | 1 nugget per 5L pot size       |
| Newly transplanted plant | 1 nugget per 30cm height       |



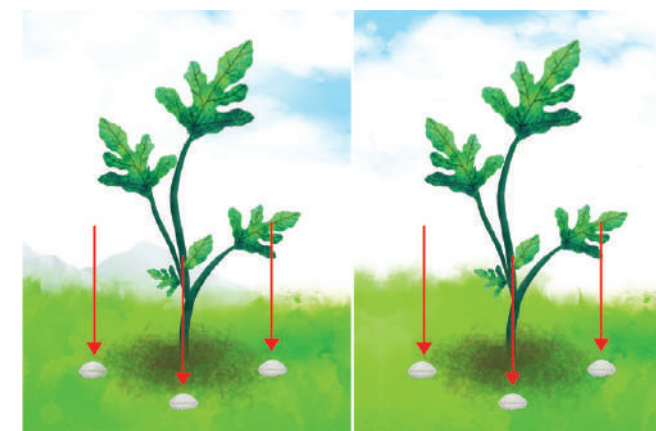
- Place Jumbo Tabs at least 5cm away from stem or trunk
- No need to dig a hole. Digging hole is only recommended to often flooded area or hill

## Recommended dosage

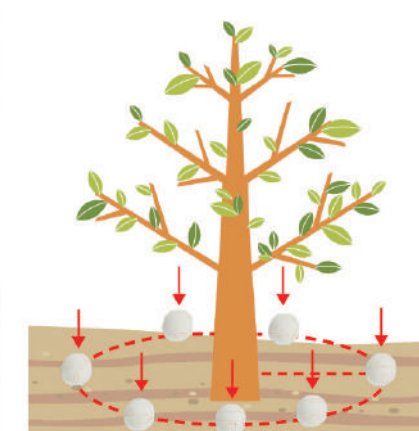
| Crop               |                | Piece/plant | Crop           |                | Piece/plant                         |
|--------------------|----------------|-------------|----------------|----------------|-------------------------------------|
| Horticultural Crop | Chilli         | 1           | Fruit Tree     | Oil Palm       | 20 (age under 7)<br>30 (age over 7) |
|                    | Watermelon     | 2           |                | Apple          | 12                                  |
|                    | Pumpkin        | 2           |                | Grape          | 12                                  |
|                    | Oriental melon | 2           |                | Tropical Fruit | 12                                  |
|                    | Cucumber       | 2           |                |                |                                     |
|                    | Eggplant       | 2           |                |                |                                     |
| Every 2 months     |                |             | Every 3 months |                |                                     |

- Application frequency : Humid area (Every 3 months), Dry Area (Every 4 months)
- Place Jumbo Tabs between 10 to 20cm away from stem/trunk
- Avoid direct fertilizer contact to root

### ■ Watermelon (Vine)

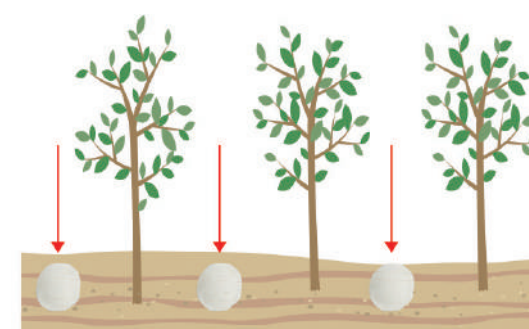


### ■ Watermelon (Tree)

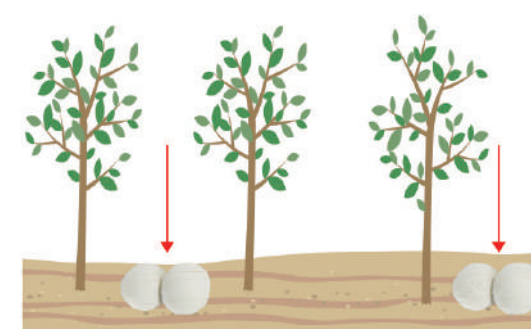


### ■ Chilli (Upright habit)

[ Between Plants : 1 piece ]



[ Between Plants : 2 pieces ]



Place nugget(s) in between the plants

AP  
Slow release Tablet fertilizer

# Big tab

17 7 8

Package 1kg, 10kg



## Features

- **Scientifically Designed for Precision Nutrition** | Tailored for target crops & special applications to maximize plant health.
- **Extended Nourishment** | Provides essential nutrients for long-term growth.
- **Compact & Convenient** | No need for frequent applications; perfect for trees, shrubs, and groundcovers at any stage of growth.
- **Customizable Formulation** | Designed to meet specific plant and soil requirements for optimal performance.

## Formula(%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO | Etc.                       |
|----|-------------------------------|------------------|-----|----------------------------|
| 20 | 4                             | 8                | 4   | TE (Ca, Fe, Mn, B, Zn, Cu) |
| 20 | 1                             | 10               | 4   |                            |
| 17 | 7                             | 8                | 5   |                            |

## Application

| Plant                  | Recommending Dosage |
|------------------------|---------------------|
| Smaller plants to 40cm | 1-2 tablets         |
| Medium plants to 1m    | 2-5 tablets         |
| Larger plants over 1m  | 5+ tablets          |

AP  
SRF spike for tree & shrub

# Forchid spike

Package 20kg



## Features

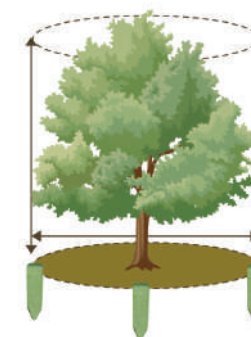
- **Effortless Application** | Simply insert the spikes for continuous, balanced nutrient release directly to tree roots.
- **Long-Lasting Formula** | Slow-release methylene urea ensures a steady nutrient supply for up to 10 months without the risk of leaching.
- **Root-Boosting Power** | Seaweed extract & fulvic acid promote stronger root development and overall plant vitality.

## Formula(%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO | S | Etc.     |
|----|-------------------------------|------------------|-----|---|----------|
| 18 | 10                            | 12               | 5   | 4 | Ca, S, B |

## Application

- Spring / Fall.
- Apply when ground is moist. Please wet the ground if dry before applying spike.
- Apply spike into ground around tree and shrub following dripline.
- Apply spike at least 2 feet away from the center of tree and shrub.
- Apply 1 spike per 2 to 3 cm of trunk diameter equally spaced at least 1 m apart.
- Place plastic cap on the top of spike.
- Apply spike 4 to 6 cm below the soil surface.



## Dosage

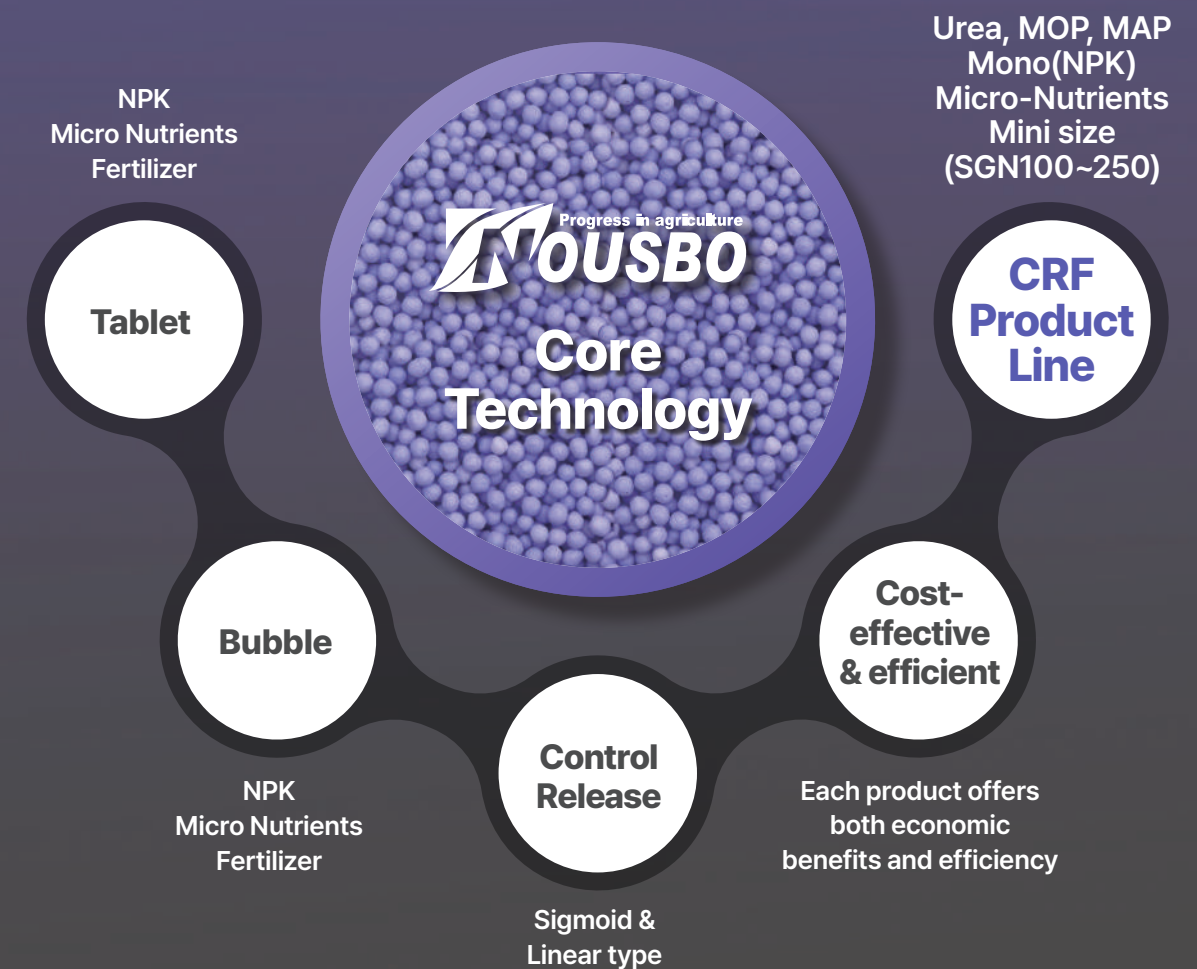
| Dosage        | Diameter at breast height (cm) |          |          |        |        |         |
|---------------|--------------------------------|----------|----------|--------|--------|---------|
|               | less than 10                   | 10 to 20 | 20 to 30 | 30     | 40     | over 50 |
| No. of spikes | 1 to 2                         | 2 to 3   | 3 to 4   | 4 to 5 | 6 to 7 | 8 to 9  |

# Core Product Technologies

Nousbo has developed five key technologies that enable the production of highly efficient, cost-effective fertilizer products. These include advanced release control methods—such as UF/MU stabilizers and polymer coating innovations—which ensure optimal nutrient delivery. We also offer a segmented product range that provides various options and sizes to meet diverse agricultural needs. In addition, our unique tablet and bubble technologies can be applied to a wide array of products, from fertilizers to herbicides. All of our offerings are designed to remain globally competitive, with a strong emphasis on efficiency and economic viability, while making significant contributions to reducing carbon emissions.

## Agriculture is Key to the Future

Nousbo strives to become a global agricultural brand by developing innovative technologies and supplying them to every sector of agriculture.



**AN**

Chlorine-Free &amp; Nitrate based WSF

# Hi-Speed

**N P K** +S+Mg+Ca+B+Fe+Zn

Package 15kg/20kg



## Features

- **No Caking, No Clumping** | Easy-to-use formula that stays free-flowing for hassle-free application.
- **100% Water-Soluble** | Completely dissolves within 4 minutes, leaving no residue behind.
- **Chlorine-Free & Sodium-Free** | Minimizes salt damage while ensuring long-term soil health.
- **Fast-Acting Nitrogen Boost** | Nitrate-based formula promotes rapid early growth, outperforming urea and ammonia-based fertilizers.
- **Versatile & Convenient** | Ideal for top dressing, fertigation, foliar spray, and more, adapting to diverse farming needs.

## Growing Stage

| Growth | Nitrogen | Nitrogen Content(%) |         | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | S | Micro elements      |
|--------|----------|---------------------|---------|-------------------------------|------------------|---|---------------------|
|        |          | Ammonium            | Nitrate |                               |                  |   |                     |
| Early  | 23       | 11                  | 12      | 5                             | 15               | 4 | Mg, Ca<br>B, Fe, Zn |
| Middle | 17       | 10                  | 7       | 17                            | 17               | 4 |                     |
| Late   | 15       | 7.5                 | 7.5     | 5                             | 27               | 6 |                     |

## Application

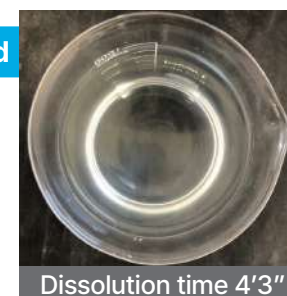
|                                                                                     |                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |
| Fertigation                                                                         | Foliar Spray                                                                        | Broadcasting                                                                         |
| 10-20kg/ha<br>Keep the same frequency and water amount with before                  | 1:500-1000 mix with water<br>Every 7-10 days<br>Enough plants to get wet            | 1-2g/plant<br>Every 10 days<br>Flowering stage - harvest                             |

\* The dosage may be different based on soil and water type

## Comparison with competitors

| Parameter                                   | Hi-Speed                 | Competitors    |                                     |
|---------------------------------------------|--------------------------|----------------|-------------------------------------|
|                                             |                          | General grade  | Premium grade                       |
| type                                        | <b>Granule</b>           | Powder         | Powder                              |
| Nitrogen type                               | <b>Ammonium, Nitrate</b> | Urea           | Urea & Nitrate mix                  |
| Quality Uniformity (content, granule, etc.) | <b>Uniform</b>           | Low uniformity | Different according to manufacturer |
| Chlorine (Cl)                               | <b>None</b>              | High           | Different according to manufacturer |
| Solubility                                  | <b>High</b>              | Normal         | High                                |
| Residue                                     | <b>None</b>              | High           | None                                |
| Broadcasting                                | <b>Easy</b>              | Difficult      | Difficult                           |
| Foliar spraying                             | <b>Fast effect</b>       | Slow effect    | Fast effect                         |
| Price                                       | <b>Low</b>               | Low            | High                                |

### Hi-Speed



### Competitor's

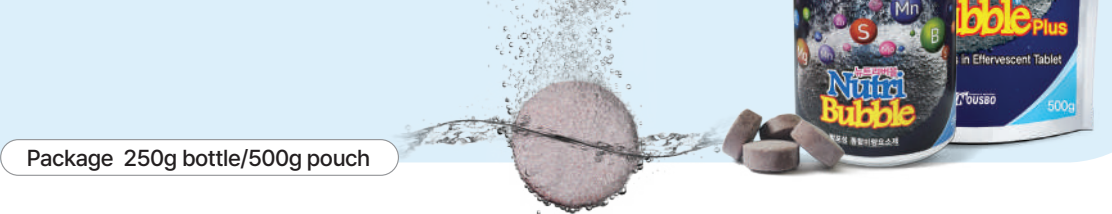


| Crop            | Growing Stage              | Hi Speed NPK | Irrigation Dosage (kg/ha) |
|-----------------|----------------------------|--------------|---------------------------|
| Fruit Vegetable | Transplant - Early Growing | 23-5-15      | 7                         |
|                 | Early Growing - Flowering  | 23-5-15      | 10                        |
|                 |                            | 17-17-17     |                           |
|                 | Flowering - Fruit Setting  | 17-17-17     | 13                        |
|                 | Fruit Setting - Harvesting | 15-5-27      |                           |
|                 |                            | 17-17-17     | 20                        |
| Leaf Vegetable  | Early Growing Period       | 23-5-15      | 10                        |
|                 | Growing Period             | 23-5-15      | 10                        |
|                 |                            | 17-17-17     |                           |
|                 | Harvesting Period          | 17-17-17     | 13                        |
|                 |                            | 15-5-27      |                           |
| Fruit Tree      | Before Flowering           | 23-5-15      | 10                        |
|                 | Flowering - Fruit Setting  | 23-5-15      | 15                        |
|                 |                            | 17-17-17     |                           |
|                 | Fruit Setting - Harvest    | 17-17-17     | 17                        |
|                 |                            | 15-5-27      |                           |
|                 | After Harvest              | 15-5-27      | 17                        |

ANPT

Multi EDTA & EDDHA micro elements in effervescent tablet

Nutri Bubble



Package 250g bottle/500g pouch

Features

- **8 Essential Chelated Microelements+Potassium** | Delivers a complete nutrient boost for optimal plant health.
- **Enhanced Solubility & Mobility** | EDTA-chelated microelements ensure efficient nutrient absorption and distribution.
- **Boosts Fruit Set & Chlorophyll Formation** | Promotes higher fruit yield and stronger, greener foliage.
- **Precision Dosing, Easy Application** | 4g per tablet allows for accurate and hassle-free nutrient management.

Formula (%)

| K <sub>2</sub> O | Fe-EDDHA | Zn-EDTA | Mn-EDTA | Cu-EDTA | B <sub>2</sub> O <sub>3</sub> (B) | MgO (Mg)    | Mo   |
|------------------|----------|---------|---------|---------|-----------------------------------|-------------|------|
| 12.5             | 0.15     | 2.0     | 1.5     | 0.1     | 4.4 (1.36)                        | 1.35 (0.81) | 0.04 |

Application

| Crop      | Method       | Dosage                         | Main Application Time                                | Frequency           |
|-----------|--------------|--------------------------------|------------------------------------------------------|---------------------|
| All Crops | Foliar Spray | 1:2,000 – 4,000 mix with water | Flowering Stage, Fruiting Stage, Color Setting Stage | Every 10 to 15 days |
|           | Fertigation  | 0.5 – 1kg/ha                   |                                                      | Every 3 weeks       |

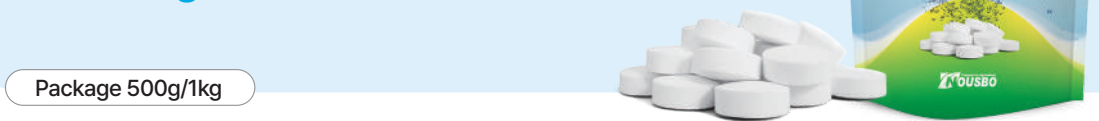
| Unchelated Nutrients                                                                                                                                                                                                                                                 | Chelated Nutrients                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Fe<sup>++</sup></div><ul style="list-style-type: none"><li>- Metallic Micro Elements usually have (+) charge like Fe for example</li><li>- This unchelated Micro Elements have risk of forming insoluble precipitates with other nutrients</li></ul></div> | <div><div>A chemical structure diagram showing an iron ion (Fe<sup>++</sup>) in the center, coordinated by six nitrogen atoms (N) and two oxygen atoms (O) from a chelating agent. The structure is surrounded by a protective layer, with labels CH<sub>2</sub>, CH, and C=O.</div><ul style="list-style-type: none"><li>- Metallic Micro Elements are covered in a chelate chemical that is negatively charge</li><li>- This cover protects the Micro Elements from becoming insoluble and fixed in the soil</li></ul></div> |

ANT

Si and K fertilizer to increase crop yield and quality

Silica Bubble

Si + K+ Mgo+ Citric Acid



Package 500g/1kg

Features

- **Fortified Cell Walls** | Silicon (Si) strengthens stalks and stems, enhancing structural integrity.
- **Enhanced Resistance** | Boosts survival rates against pests, diseases, blast, and lodging for healthier plants.
- **Optimized Photosynthesis** | Potassium (K) regulates stomatal function, accelerating energy production and plant growth.
- **Superior Yield & Quality** | Supports higher crop production with improved resilience and vitality.

Formula (%)

| SiO <sub>2</sub> (Si) | K <sub>2</sub> O (K) | MgO | Etc.        |
|-----------------------|----------------------|-----|-------------|
| 12 (5.6)              | 20 (16.5)            | 1   | Citric Acid |

Application

| Crop         | Method                                        | Dosage                                    | First Application                 | Frequency                       |
|--------------|-----------------------------------------------|-------------------------------------------|-----------------------------------|---------------------------------|
| Rice         | Hand Throwing (water height must be over 5cm) | 2.5 – 5 kg/ha                             | Between tillering & panicle stage | 1 time only                     |
|              | Foliar Spray                                  | 0.5 – 2 kg/ha<br>1:500 Dissolve in water  | DAS 40-50<br>DAT 10-20            | Every 2 weeks, Total 3, 4 times |
| Horticulture | Foliar Spray                                  | 1.5 – 3 kg/ha<br>1:1000 Dissolve in water | When fruit is thumbnail size      | Every 2 weeks, Total 3, 4 times |



ANPT

High nitrogen N-guano based  
ecofriendly organic fertilizer



# Organic Max

12 0.7 1 + Organic Matter

Package 20kg

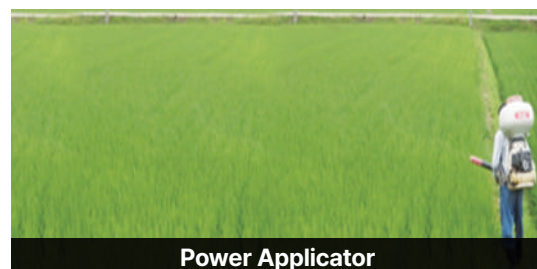


## Features

- **High % of Nitrogen** | 2 or 3 time more N content than chicken manure.
- **Efficiency** | Cost and time efficient by using small dosages of highly purified N to produce longer effects.
- **Organic matter** | Consists of 60~70% organic matter to retain nutrients from the initial growth and development stage until harvest.
- **Fully fermented** | Does not cause gas damage by using a fully fermented and decomposed formula.
- **OMRI Organic Certified** | Approved and certified as Organic fertilizer in the US and South Korea.

|                               | Usage    | N   | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Organic Matter |
|-------------------------------|----------|-----|-------------------------------|------------------|----------------|
| Organic Max                   | 1 ton/ha | 12  | 0.7                           | 1                | 60%*           |
| VS Save 75% Fertilizer Usage! |          |     |                               |                  |                |
| Chicken Manure                | 3 ton/ha | 3.2 | 2                             | 1.5              | 60%            |

## Application



Power Applicator



Fertilizer Distributor

| Crop      | Application                                          | Dosage                             |
|-----------|------------------------------------------------------|------------------------------------|
| All Crops | Basal Fertilizer<br>(Soil Incorporation recommended) | 1/2 or 1/3 of chicken manure usage |

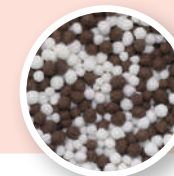
A

NK fertilizer specially designed for  
Drone application containing Humic Acid

# Drone NK

39 0 6 + MgO 1%

Package 15kg



## Features

- **Top Dressing** | NK fertilizer for top dressing (additional fertilizer).
- **Drone Application** | Specially designed granule for drone application.
- **High Efficiency** | Contains hydrolysis inhibitor to prevent ammonia volatilization and nutrition leaching.
- **Humic Acid** | Water soluble humic acid to increase the fertilizer's efficiency.

## Formula (%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO | Etc.                     |
|----|-------------------------------|------------------|-----|--------------------------|
| 39 | 0                             | 6                | 1   | Water soluble Humic Acid |

## Recommending Application

| Crop                      | Dosage      | Note                                          |
|---------------------------|-------------|-----------------------------------------------|
| Rice, Corn, wheat, Barley | 50-70 kg/ha | Apply as top dressing (additional fertilizer) |

\* The dosage may be different based on soil and water type



Actual usage of Drone NK

AP

Fruit cracking preventative

# Crack Win

Package 500ml / 1L / 5L

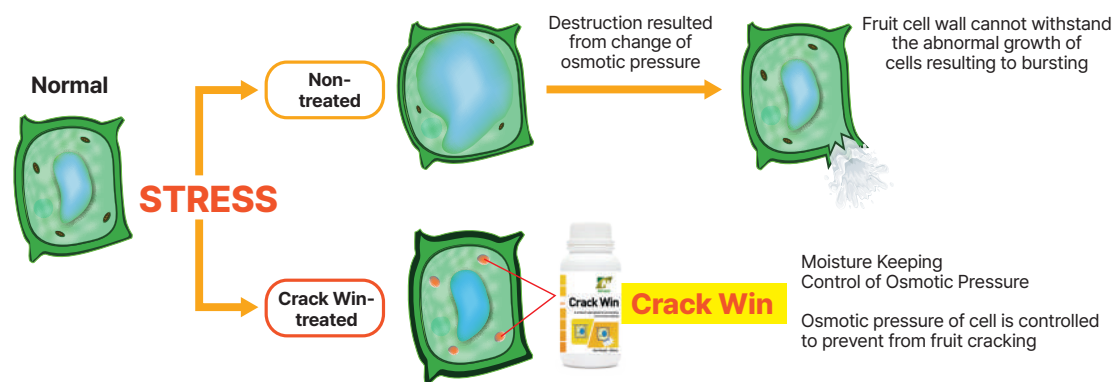


### Features

- **Heat Damage Prevention** | Prevents damages, i.e. dehiscent fruit, from heat and hot temperature.
- **Post-Harvest Life** | Enhances accumulation of nutrient and prolongs storage period.
- **Balanced Cell** | Controls and balances cell's osmotic pressure to maintain healthy.
- **All Crops** | Applicable from cereal to fruit by both foliar spray and irrigation.

### Effect

[High Temperature, Failure in Moisture Control] [Fruit Cracking Occurred]



### Formula(%)

| N   | CaO (Ca) | Fe   | B <sub>2</sub> O <sub>3</sub> (B) | Etc.       |
|-----|----------|------|-----------------------------------|------------|
| 2.5 | 9 (6.5)  | 0.05 | 0.03 (0.01)                       | Amino Acid |

### Application

| Method       | Crop                    | Timing                                         | Dosage                 | Frequency     |
|--------------|-------------------------|------------------------------------------------|------------------------|---------------|
| Foliar spray | All Fruits & Vegetables | Before & after rain, high temp. and/or drought | 1:1,000 dilution ratio | Every 2 weeks |

ANPT

Multi micro elements combi fertilizer with high % of Ca & Mg

# Nutri Bank

Package 15kg



### Features

- **Combination of Micro elements** | Homogenous granule consisting of 8 different micro-element.
- **High content of Ca & Mg** | Contains Ca and Mg to promote photosynthesis and build a thicker cell wall to prevent cracking and protect against pests and diseases.

### Formula (%)

| Contents(%) |   |     | ppm    |        |        |                               |       |    |  |
|-------------|---|-----|--------|--------|--------|-------------------------------|-------|----|--|
| CaO         | S | MgO | Zn     | Fe     | MnO    | B <sub>2</sub> O <sub>3</sub> | Cu    | Mo |  |
| 9           | 7 | 12  | 20,000 | 22,000 | 10,000 | 40,000                        | 1,800 | 10 |  |

### Application

| Crop                                      | Application  | Dosage                            |
|-------------------------------------------|--------------|-----------------------------------|
| Cereals and top dressing during flowering | Top dressing | 20 - 30 kg/ha (8 - 12 kg/acre)    |
| Leaf Vegetable                            | Basal        | 100 - 200 kg/ha (40 - 80 kg/acre) |
| Fruit Vegetable                           |              | 100 - 150 kg/ha (40 - 60 kg/acre) |
| Root Vegetable                            |              | 150 kg/ha (60 kg/acre)            |
| Fruit Tree                                |              | 70 - 100 kg/ha (25 - 40 kg/acre)  |



Granular & Liquid Fertilizer Containing Si, Ca, Mg, K

# Silicate Fertilizer



Packing 20kg (granule) / 500ml (liquid)



Ultramax Silicate



Ultramax CalMag



Ultramax Silicate Liquid

### Features

- **Utilization** | Utilizes Si, Ca, and Mg to produce higher quality and yielding crops.
- **Lodging prevention** | Constructs a silicon barrier between the outer tissue and inner cell to prevent diseases and lodging.
- **Post-harvest Life** | Prolongs storage period, promotes the absorption of phosphorus, and enhances accumulation of nutrients.

### Formula (%)

|                   | SiO <sub>2</sub> (Si) | CaO (Ca)  | MgO (Mg)  |
|-------------------|-----------------------|-----------|-----------|
| Ultramax Silicate | 25 (11.6)             | 35 (25.0) | 2 (1.2)   |
| Ultramax CalMag   | 1 (0.47)              | 28 (20)   | 17 (10.3) |

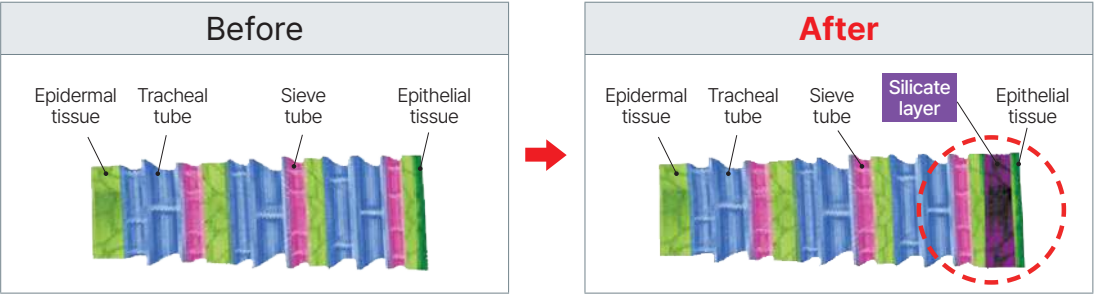
  

|                          | SiO <sub>2</sub> (Si) | K <sub>2</sub> O |
|--------------------------|-----------------------|------------------|
| Ultramax Silicate Liquid | 28 (13.0)             | -                |
|                          | 28 (13.0)             | 22               |

### Application

| Crop      | Application                 | Dosage                                   | Frequency          |
|-----------|-----------------------------|------------------------------------------|--------------------|
| All Crops | Basal Fertilizer            | 150 - 300kg /ha<br>(60 - 120kg /acre)    | One time as basal  |
|           | Foliar Application (Liquid) | Mix with water<br>in 1:500 – 1,000 ratio | Every 10 – 15 days |

\* Soil Incorporation recommended



Rice



Durian



Dragon fruit



Coffee



Tomato



Oil palm



Corn



Apple



Strawberry



K-brand represents the 'luxury consumer goods' produced in Republic of Korea, derived from the branding strategy based on the traditional pattern of 'Taegeuk' and the symbol 'K', aiming to widely promote a national product line.

# Dr Joe HOME & GARDEN

Urban Farming   Home Garden   Garden



Package 300g

Homogeneous type polymer coated CRF  
Small packing for home garden

## HI-COTE ADVANCE

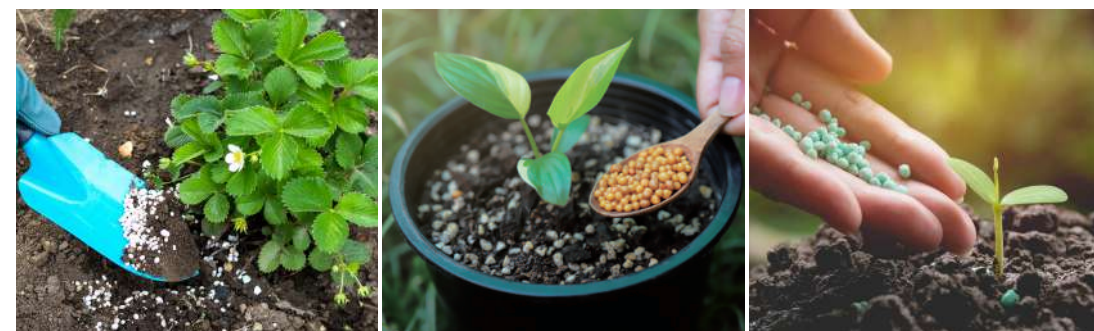
- All raw materials are 100% polymer coated.
- Precise nutrient release throughout the growing season. (up to 90days)
- For use on a wide variety of plants.

### Formula (%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Etc.                                         |
|----|-------------------------------|------------------|----------------------------------------------|
| 15 | 15                            | 15               | Trace elements<br>(S, Mg, Ca, B, Fe, Zn etc) |

### Application

- Apply every 3 months at the following recommended application rates
- Pot Broad cast evenly on top of the soil and water
- Garden/field Broadcast evenly near the plant and mix with the soil if possible



### Recommended application rate

- Orchid : 0.5~1.0 gram / pot (1/2 teaspoon)
- Potted plant : 5 gram / pot
- Flower, Bean, Leafy vegetable, Berries : 10~15 gram/plant
- Perennial, Fruit vegetable : 100~150 gram / plant



## Blooming Flower Bubble 56g \_ Flower

- No weighing required.
- Boosts bloom vibrancy and the number of flower blooms.
- Promotes healthy coloring and blooms.

### Guaranteed Contents (%w/w)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|----|-------------------------------|------------------|
| 10 | 20                            | 15               |



## Tomato & Vegetable Bubble 56g \_ Vegetable

- No weighing required.
- Increases the production of healthier and higher quality garden crops.
- Specially designed nutrition balance for fruit and vegetables.

### Guaranteed Contents (%w/w)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|----|-------------------------------|------------------|
| 14 | 14                            | 17               |



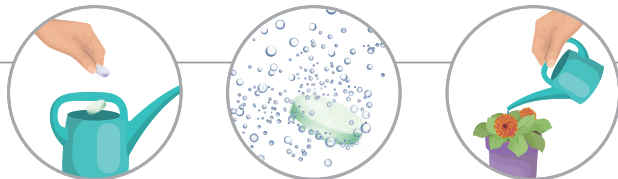
### Usage and Caution

#### Usage

- 1 tablet/4~8 liters of water/10m<sup>2</sup>, apply every 1~2 weeks
- After complete dissolution of tablets, apply solution to plant and soil enough to make the surface wet

#### Caution

- Avoid using for orchids
- To maintain excellent solubility, seal the container properly and store in cool



Usage Video



## Growing Bubble 56g \_ All Purpose

- No weighing required.
- Provides nutrients essential for healthy plant growth and development.
- Effervescent Water soluble NPK which readily diffuses in wate.

### Guaranteed Contents (%w/w)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|----|-------------------------------|------------------|
| 18 | 5                             | 10               |



## Nutri Bubble 56g \_ Deficiency

- No weighing required.
- Supplies microelements to prevent plant deficiencies and diseases.
- Effervescent Water soluble Chelated micronutrients which readily diffuses in water.

### Guaranteed Contents (%w/w)

| K <sub>2</sub> O | MgO  | B <sub>2</sub> O <sub>3</sub> | Mo   | EDTA-Mn | EDDHA-Fe | EDTA-Cu | EDTA-Zn |
|------------------|------|-------------------------------|------|---------|----------|---------|---------|
| 12.4             | 1.35 | 4.4                           | 0.04 | 2.44    | 0.18     | 0.15    | 2.35    |



[ Dr. Joe Bubble Package in the Japan market ]



[www.nousbo.com/en](http://www.nousbo.com/en)



[ver. 2025-03]

| Head Office & Research and Development                                                                                                                                                                                                       | Ulsan plant                                                                                                   | American Branch Office<br>Nousbo USA INC.                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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