



AGRO

BIO

CHEMICAL

ABC 

PRODUCT  
GUIDE

“2021 Korea Presidential Award Winner”

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ABC  Circle

“The list of ABC CIRCLE products”

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## ABC Hydro Soil<sup>®</sup>



Physical Appearance:  
**Granular type**

Suitable for:

**Fruits**

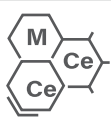
**Vegetables**

**Field Crops**

**Greenhouses**



Granular Application



High Moisture A



Spreader machine



10, 20 Kg

Producer: ABC Circle Co., Ltd.

+82-70-5089-3180

[www.abccircle.co.kr](http://www.abccircle.co.kr)

## General information:

- ❖ Catching water strongly and provide water constantly for crops in soil.
- ❖ Crops can absorb water-soluble nutrients as well as water itself.
- ❖ In the early season, Uniform and stable growth happen.
- ❖ In later season, Crop yield increases finally.
- ❖ ABC Water full Consists of perlite and polymer component.

## Product analysis (Wt/Wt,%)

| Moisture agent | Bio cellulose | Carrier |
|----------------|---------------|---------|
| 40             | 10            | 50      |

## Applications

| Crop                                        | Time                                      | Usage/ha                  |
|---------------------------------------------|-------------------------------------------|---------------------------|
| Tomato, Pepper, Cucumber, Lettuce, Broccoli | Soil incorporation before planting/sowing | 5~10kg                    |
| Carrot, Radish, Potato, Garlic, Onion       | Soil incorporation before planting/sowing | 3~7kg                     |
| Citrus, Apple, Grape, Banana, Mango         | Soil incorporation before planting/sowing | 10~20kg                   |
| Wheat, Soybean, Corn                        | Soil incorporation before planting/sowing | 3~7kg                     |
| Rose, Chrysanthemum, Tulip, Orchid          | Soil incorporation before planting/sowing | 3~7kg                     |
| Coffee, Pineapple, Cocoa, Sugarcane         | Soil incorporation before planting/sowing | 5~10kg                    |
| Nursery soil                                | Soil incorporation before planting/sowing | 50~100g/ 50L nursery soil |



## ABC Cote<sup>®</sup>



Physical Appearance:

**Granular type**

Suitable for:



**Fruits**



**Vegetables**



**Field Crops**



**Greenhouses**

## General information:

- ❖ Release fertilizer ingredient for 180days at 30℃.
- ❖ ABC Cote release plant nutrients slowly and continuously.
- ❖ Saving both time and labor, because once fertilizing is enough.
- ❖ The actual release rate depends upon and is dictated solely by the soil.
- ❖ This is accomplished by encapsulating fertilizer granules in a polymer coating.

## Product analysis (Wt/Wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO |
|----|-------------------------------|------------------|-----|
| 15 | 15                            | 6                | 3   |
| 14 | 14                            | 14               | 1   |
| 20 | 9                             | 12               | 3   |
| 18 | 46                            | 0                | 0   |

## Applications

| Crop                          | Time                     | Usage         | Method                   |
|-------------------------------|--------------------------|---------------|--------------------------|
| Durian                        | 1~2 application per year | 1.5~2kg /tree | Fertigation or spreading |
| Tomato, Chilli, Garlic, Onion | 1 application per year   | 250~350kg /ha | Fertigation or spreading |
| Oil palm                      | 1 application per year   | 1.5kg /tree   | Fertigation or spreading |



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## ABC Compound<sup>®</sup>



 Physical Appearance:  
**Granular type**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Producer: ABC Circle Co., Ltd.

+82-70-5089-3180

[www.abccircle.co.kr](http://www.abccircle.co.kr)

### General information:

- ❖ This product is an environment friendly fertilizer since subsidiary ingredient is minimal and pH is nearly natural and give no harm to soil when use continuously.
- ❖ This product is coated with diatomaceous earth; they are processed to keep dry condition so they prevent from moisture.
- ❖ This product contained concentrated ingredient as a high degree fertilizer, This is available to spread in small volume and easy spreading.

### Product analysis (Wt/Wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO |
|----|-------------------------------|------------------|-----|
| 16 | 16                            | 16               | 2   |

### Applications

| Crop                                                | Usage/ha      |
|-----------------------------------------------------|---------------|
| Hot pepper/Tomato/Eggplant                          | 300~450kg/ha  |
| Fruits of hard and soft stone<br>(according to age) | 1~4kg /tree   |
| Open Field vegetables                               | 200~300kg /ha |
| Green house vegetables                              | 300~450kg /ha |
| Cashew nut                                          | 1~4kg /tree   |
| Potato/Sweet potato                                 | 300~450kg /ha |
| Oil palm tree (according to age)                    | 1~4kg /tree   |
| Black pepper (according to age)                     | 0.3~1kg /ha   |
| Banana                                              | 300~400kg /ha |



## ABC Compound<sup>®</sup>



 Physical Appearance:  
**Granular type**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

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### General information:

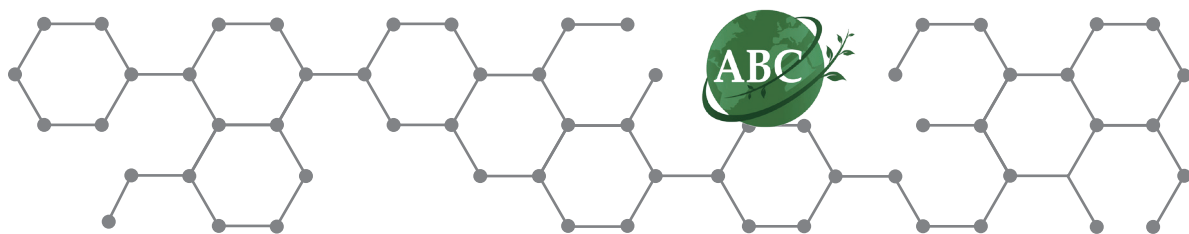
- ❖ This product is an environment friendly fertilizer since subsidiary ingredient is minimal and pH is nearly natural and give no harm to soil when use continuously.
- ❖ This product is coated with diatomaceous earth, they are processed to keep dry conditions so they prevent from moisture.
- ❖ This product contained concentrated ingredient as a high degree fertilizer, This is available to spread in small volume and easy spreading.

### Product analysis (Wt/Wt,%)

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

### Applications

| Crop                                                | Usage/ha      |
|-----------------------------------------------------|---------------|
| Hot pepper/Tomato/Eggplant                          | 300~450kg/ha  |
| Fruits of hard and soft stone<br>(according to age) | 1~4kg /tree   |
| Open Field vegetables                               | 200~300kg /ha |
| Green house vegetables                              | 300~450kg /ha |
| Cashew nut                                          | 1~4kg /tree   |
| Carrot/Radish/Cabbage                               | 200~300k/ha   |
| Mango (according to age)                            | 1~4kg /tree   |
| Potato/Sweet potato                                 | 300~450kg /ha |
| Oil palm tree (according to age)                    | 1~4kg/tree    |
| Rubber tree (according to age)                      | 1~4kg /tree   |



## ABC Compound<sup>®</sup>



Physical Appearance:  
**Granular type**

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Granular Application



Moisture proof



Spreader machine



10, 20 Kg

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## General information:

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- ❖ This product is coated with diatomaceous earth, they are processed to keep dry condition so they prevent from moisture.
- ❖ This product contained concentrated ingredient as a high degree fertilizer, This is available to spread in small volume and easy spreading.

## Product analysis (Wt/Wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | S  |
|----|-------------------------------|------------------|----|
| 16 | 16                            | 8                | 13 |

## Applications

| Crop                                                | Usage/ha      |
|-----------------------------------------------------|---------------|
| Hot pepper/Tomato/Eggplant                          | 300~450kg/ha  |
| Fruits of hard and soft stone<br>(according to age) | 1~4kg /tree   |
| Open Field vegetables                               | 200~300kg /ha |
| Green house vegetables                              | 300~450kg /ha |
| Cashew nut                                          | 1~4kg /tree   |
| Carrot/Radish/Cabbage                               | 200~300kg /ha |
| Mango (according to age)                            | 1~4kg /tree   |
| Potato/Sweet potato                                 | 300~450kg /ha |
| Oil palm tree (according to age)                    | 1~4kg /tree   |
| Black pepper (according to age)                     | 0.3~1kg /ha   |
| Banana                                              | 300~400kg /ha |





## ABC Silicate<sup>®</sup>



Physical Appearance:  
**Granular type**

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



### General information:

- ❖ Promote healthy plant growth by change the pH of soil or supply nutrients.
- ❖ Silicate helps to increase nutrient uptake by plant and stop leaching of trace elements from upper layers of soils.
- ❖ It increase tolerance level of plants against insects-pests by proving all trace elements, which helps to reduce aggregation (coagulation) of elements like salt etc. and increase the stability on all essential nutrients.
- ❖ It also increase the phosphate available and its rapid absorption.

### Product analysis (Wt/Wt,%)

| SiO <sub>2</sub> | CaO | MgO |
|------------------|-----|-----|
| 25               | 35  | 2   |

### Applications

| Crop             | Time                                      | Usage/ha   |
|------------------|-------------------------------------------|------------|
| Rice & Wheat     | 7days before transplanting and seedling   | 100~300kg  |
| Vegetable        | 10days before transplanting and seedling  | 150~350kg  |
| Potato           | 10days before transplanting and seedling  | 200~400kg  |
| Fruits           | 1~3days before transplanting and seedling | 100~300kg  |
| Palm & Rubber    | 2 applications per year                   | 1~2kg/tree |
| Soil conditioner | 2 weeks before using other fertilizer     | 400~600kg  |

Producer: ABC Circle Co., Ltd.

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## ABC CaMg<sup>®</sup>



Physical Appearance:  
**Granular type**

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



### General information:

- ❖ It is a carbonate mineral comprised of magnesium and calcium.
- ❖ ABC CaMg is a fertilizer and a soil conditioner that's used to acidic soils and make them more alkaline.
- ❖ ABC CaMg can also be mixed into a nutrient rich fertilizer blend that you can enrich the soil and correct its pH at the same time.
- ❖ You need both calcium and magnesium in your soil as they are important elements to keep your plants healthy.

### Product analysis (Wt/Wt,%)

| CaO   | MgO   | Granule Size |
|-------|-------|--------------|
| 27~30 | 15~17 | 2~4mm        |

### Applications

| Crop              | Time                           | Usage          | Method      |
|-------------------|--------------------------------|----------------|-------------|
| Rice & Wheat      | 2weeks before usisgothertilzer | 200~300kg / ha | in the soil |
| Vegetable & fruit | 2weeks before usisgothertilzer | 200~300kg / ha | in the soil |
| Palm & rubber     | 2 applications per year        | 1.5kg /tree    | in the soil |
| Soil conditioner  | 2weeks before usisgothertilzer | 400~600kg / ha | in the soil |

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## ABC King Organic<sup>®</sup>



Physical Appearance:  
**Granular type**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**



Granular Application



Moisture proof



Spreader machine



10, 20 Kg

Producer: ABC Circle Co., Ltd.

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## General information:

- ❖ Safety nutrients utilized microbial metabolites.
- ❖ It contains macronutrient & trace nutrient, that are essential for crops.
- ❖ It contains various nutritional ingredients.
- ❖ It has both quack-acting fertilizer and slow-release fertilizer effects.
- ❖ It has no gas damage to root, 100% fully well fermented.
- ❖ It has no damage contact with root zone.
- ❖ It keep nutrients and moisture very well.

## Product analysis (Wt/Wt,%)

| N | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|---|-------------------------------|------------------|
| 3 | 1.0                           | 1.0              |

| Organic mater | Humic acid | Fuvic acid | S    | MgO  |
|---------------|------------|------------|------|------|
| 40~50         | 15         | 5          | 0.05 | 0.05 |

## Applications

| Crop                                                | Usage/ha       |
|-----------------------------------------------------|----------------|
| Hot pepper/Tomato/Eggplant                          | 300~450kg/ha   |
| Fruits of hard and soft stone<br>(according to age) | 1~4kg /tree    |
| Open Field vegetables                               | 200~300kg /ha  |
| Cashew nut                                          | 1~4kg /tree    |
| Carrot/Radish/Cabbage                               | 200 ~ 300kg/ha |
| Potato/Sweet potato                                 | 300 ~ 450kg/ha |
| Oil Palm tree (according to age)                    | 1~4kg /tree    |
| Rubber tree (according to age)                      | 1 ~ 4kg/tree   |
| Black pepper(according to age)                      | 300g ~ 1kg/ha  |
| Banana                                              | 300 ~ 400kg/ha |





## ABC Micro Combi®

### General information:

- ❖ Improves yield quality and appearance.
- ❖ Reduces nutritional deficiencies.
- ❖ ABC Micro-Combi is a highly concentrated micro and chelated micro elements.
- ❖ ABC Micro-Combi has proven beneficial effects upon plants by stimulating root development.
- ❖ Reduced disease intensity and frequency.
- ❖ Improved yield and quality.
- ❖ Reduces nutritional deficiencies.

### Product analysis (Wt/Wt,%)

| MgO | Mn | Fe  | B   |
|-----|----|-----|-----|
| 1.5 | 3  | 4.0 | 1.0 |

| Zn | Cu  | Mo  | Co   |
|----|-----|-----|------|
| 3  | 1.5 | 0.1 | 0.03 |

### Applications

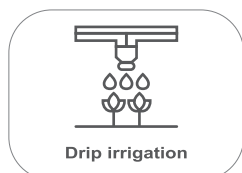
| Crop                           | Dilution           | Usage     | Method                  |
|--------------------------------|--------------------|-----------|-------------------------|
| Hot pepper, Tomato<br>Eggplant | 500~1,000<br>times | 1.2L/ha   | Spray and<br>irrigation |
| Fruits of Hard<br>& Soft Stone | 500~1,000<br>times | 2L/ha     | Spray and<br>irrigation |
| Green House<br>Vegetables      | 500~1,000<br>times | 1~2L/ha   | Spray and<br>irrigation |
| Cashew nut                     | 500~1,000<br>times | 1~2L/ha   | Spray and<br>irrigation |
| Potato &<br>Sweet potato       | 500~1,000<br>times | 1L/ha     | Spray and<br>irrigation |
| Black pepper                   | 500~1,000<br>times | 1~1.5L/ha | Spray and<br>irrigation |
| Banana                         | 500~1,000<br>times | 1~1.5L/ha | Spray and<br>irrigation |



Physical Appearance:  
**Micro granular type**

Suitable for:

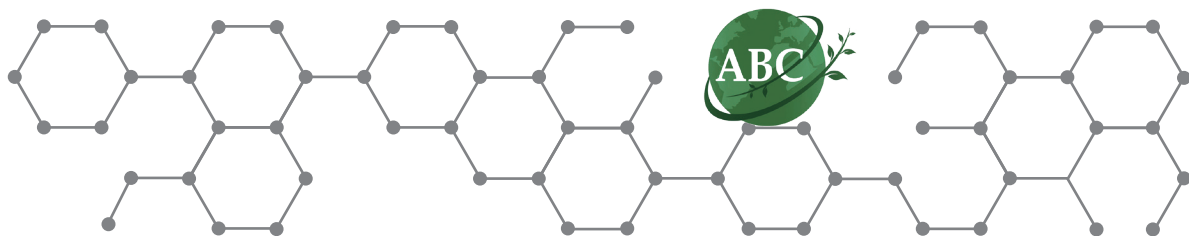
- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Producer: ABC Circle Co., Ltd.

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## ABC WSF<sup>®</sup>



 Physical Appearance:  
**Powder & crystal type**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**

## General information:

- ❖ 100% ionization nutrient and no caking problem.
- ❖ Highly water soluble for efficient nutrient uptake.
- ❖ Suitable for drip, Sprinkler, and fertigation systems.
- ❖ Contained chelated trace elements.
- ❖ Provides equal proportions of N, P, K and Trace elements.
- ❖ Supports stronger roots, lush foliage and better yields.
- ❖ Low in chlorine and sodium to minimize salt accumulation.

## Product analysis (Wt/Wt,%)

| Type                  | N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Trace elements                                                                  |
|-----------------------|----|-------------------------------|------------------|---------------------------------------------------------------------------------|
| WSF1                  | 10 | 10                            | 30               | MgO 2%, Mn 0.015%,<br>B 0.015%, Fe 0.035%,<br>Mo 0.013%, Zn 0.01%,<br>Cu 0.003% |
| WSF2                  | 30 | 10                            | 30               |                                                                                 |
| WSF3                  | 20 | 20                            | 20               | MgO 2%, Mn 0.015%,<br>B 0.015%, Fe 0.035%,<br>Mo 0.013%, Zn 0.01%,<br>Cu 0.003% |
| WSF4                  | 16 | 8                             | 34               |                                                                                 |
| Gold-cal<br>(Granule) | 15 | -                             | 15               | CaO 14%, MgO 1%                                                                 |

## Applications

| Crop      | Dilution          | Method                            |
|-----------|-------------------|-----------------------------------|
| All crops | 10g<br>/20L water | Foliar spray<br>or soil drenching |

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## ABC MAP<sup>®</sup>



Physical Appearance:  
**Powder & crystal type**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**

### General information:

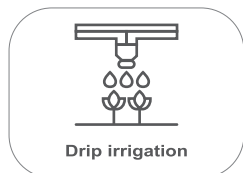
- ❖ Fully and rapidly dissolves in water without residue, suitable for fertigation and foliar applications.
- ❖ Contains minimal chloride, sodium, and heavy metals, ensuring safe use for sensitive crops.
- ❖ Free-flowing and does not harden under normal storage conditions, maintaining excellent handling properties.
- ❖ Provides both nitrogen (N) and phosphorus (P) in readily available forms to promote root development and early growth.
- ❖ Can be mixed with other water-soluble fertilizers (except those containing calcium or magnesium) without precipitation.

### Product analysis (Wt/Wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> |
|----|-------------------------------|
| 12 | 61                            |

### Applications

| Crop                                 | Time                                   | Usage/ha                  |
|--------------------------------------|----------------------------------------|---------------------------|
| Fruit Trees                          | Early growth, flowering, and fruit set | 50~150kg                  |
| Vegetables                           | Transplant to early fruiting           | 30~100kg                  |
| Cereals (Wheat, Rice, Corn)          | Before sowing or early tillering       | 40~80kg                   |
| Industrial Crops (Sugarcane, Cotton) | Early vegetative stage                 | 60~120kg                  |
| Flowers & Ornamentals                | Throughout growth cycle                | 20~60kg                   |
| Hydroponic Systems                   | Constant nutrient supply               | nutrient solution formula |



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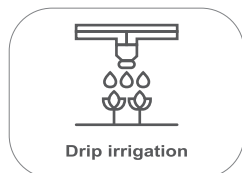
## ABC MKP<sup>®</sup>



 Physical Appearance:  
**Powder & crystal type**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



## General information:

- ❖ ABC MKP helps root establishment.
- ❖ Early growth stages of root and vegetable crops.
- ❖ Fruit and vegetable size, sugar and color development.
- ❖ Flower development of fruit trees and ornamentals.
- ❖ Highly water soluble for efficient nutrient uptake.
- ❖ ABC MKP is specially formulated with a low caking tendency and minimal chlorine content, helping to reduce the risk of salt accumulation in the soil and ensuring safer use in sensitive horticultural crops.
- ❖ ABC MKP Fertilizer Horticultural Grade is a highly pure phosphate, potassium fertilizer that dissolves rapidly and completely in water.

## Product analysis (Wt/Wt,%)

| P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|-------------------------------|------------------|
| 52                            | 34               |

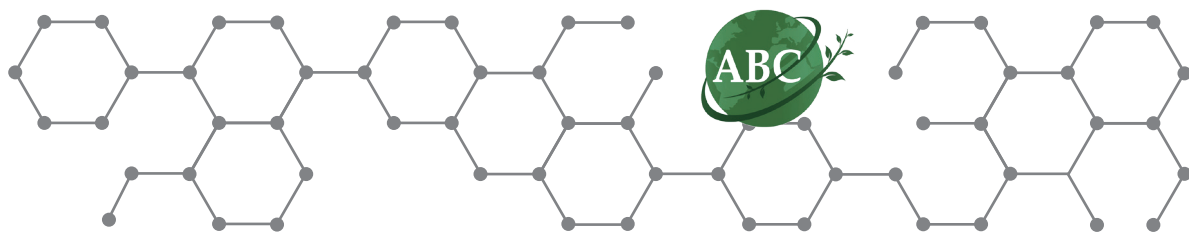
## Applications

| Crop                                    | Time                                  | Usage/ha         |
|-----------------------------------------|---------------------------------------|------------------|
| Fruit Trees                             | Early growth, flowering, and fruiting | 50~150kg         |
| Vegetables                              | Vegetative to fruiting stage          | 30~150kg         |
| Cereals<br>(Wheat, Rice, Corn)          | Early tillering / pre-flowering       | 30~80kg          |
| Industrial Crops<br>(Sugarcane, Cotton) | Vegetative to maturity                | 60~120kg         |
| Flowers<br>& Ornamentals                | Bud initiation to blooming            | 20~60kg          |
| Hydroponic Systems                      | Continuous supply                     | nutrient formula |

Producer: ABC Circle Co., Ltd.

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## ABC SOP<sup>®</sup>



Physical Appearance:  
**Powder & crystal type**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**

## General information:

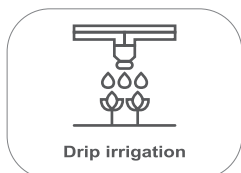
- ❖ Extremely Low Chlorine Content. (Cl<0.5%)
- ❖ Dissolves completely in water, leaving no residue — ideal for fertigation and foliar applications.
- ❖ Maintains free-flowing properties even during long-term storage; does not harden or lump.
- ❖ Enhances fruit color, sugar content, and taste while increasing resistance to stress and diseases.
- ❖ Perfect for drip, sprinkler, and hydroponic systems thanks to its full solubility and chemical stability.
- ❖ Prevents soil salinity build-up and is safe for continuous use without harming soil structure.

## Product analysis (Wt/Wt,%)

| K <sub>2</sub> O | S    |
|------------------|------|
| 51               | 17.5 |

## Applications

| Crop                                    | Time                          | Usage/ha                |
|-----------------------------------------|-------------------------------|-------------------------|
| Fruit Trees                             | Fruit development to ripening | 80~200kg                |
| Vegetables                              | Growth to fruiting stage      | 50~150kg                |
| Cereals<br>(Wheat, Rice, Corn)          | Mid to late growth            | 60~120kg                |
| Industrial Crops<br>(Sugarcane, Cotton) | Vegetative to maturity stage  | 60~150kg                |
| Flowers<br>& Ornamentals                | Bud initiation to blooming    | 30~80kg                 |
| Hydroponic Systems                      | Continuous supply             | As per nutrient formula |



Producer: ABC Circle Co., Ltd.

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## ABC UP<sup>®</sup>

### General information:

- ❖ Fully dissolves in water without leaving residue, ensuring uniform nutrient delivery in fertigation systems.
- ❖ Contains no chloride, sodium, or heavy metals ideal for high-value and sensitive crops.
- ❖ Remains stable and easy to handle during long-term storage; does not harden or lump.
- ❖ Lowers irrigation water pH, preventing clogging in drip emitters and improving nutrient availability.
- ❖ Provides both N and P in readily available forms to enhance root growth and early plant vigor.
- ❖ Can be mixed with most water-soluble fertilizers except those containing calcium or magnesium in concentrated form.



### Product analysis (wt/wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> |
|----|-------------------------------|
| 17 | 44                            |

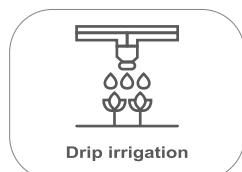
### Applications

| Crop                                    | Time                                  | Usage/ha            |
|-----------------------------------------|---------------------------------------|---------------------|
| Fruit Trees                             | Early growth to flowering             | 40~100kg            |
| Vegetables                              | Transplanting to fruiting             | 30~80kg             |
| Cereals<br>(Wheat, Rice, Corn)          | Early tillering<br>/ vegetative stage | 30~60kg             |
| Industrial Crops<br>(Sugarcane, Cotton) | Early to mid-growth stage             | 50~100kg            |
| Flowers<br>& Ornamentals                | Bud initiation to blooming            | 20~50kg             |
| Hydroponic Systems                      | Continuous supply                     | nutrient<br>formula |

 Physical Appearance:  
**Powder & crystal type**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



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## ABC Hydro Water<sup>®</sup>



### General information:

- ❖ Catching water strongly and provide water constantly for crops in soil.
- ❖ Crops can absorb water-soluble nutrients as well as water itself.
- ❖ In the early season, Uniform and stable growth happen.
- ❖ In later season, Crop yield increases finally.
- ❖ ABC Water full Consists of perlite and polymer component.

### Product analysis (Wt/Wt,%)

| Moisture agent | Bio cellulose |
|----------------|---------------|
| 15             | 10            |

### Physical Appearance: Liquid type / LF

Suitable for:

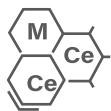
- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**

### Applications

| Crop                                        | Time                                      | Usage/ha               |
|---------------------------------------------|-------------------------------------------|------------------------|
| Tomato, Pepper, Cucumber, Lettuce, Broccoli | Soil incorporation before planting/sowing | 2~3L                   |
| Carrot, Radish, Potato, Garlic, Onion       | Soil incorporation before planting/sowing | 1.5~2L                 |
| Citrus, Apple, Grape, Banana, Mango         | Soil incorporation before planting/sowing | 3~5L                   |
| Wheat, Soybean, Corn                        | Soil incorporation before planting/sowing | 1.5~2L                 |
| Rose, Chrysanthemum, Tulip, Orchid          | Soil incorporation before planting/sowing | 2~3L                   |
| Coffee, Cocoa, Pineapple, Sugarcane         | Soil incorporation before planting/sowing | 2~3L                   |
| Nursery soil                                | Soil incorporation before planting/sowing | 50ml/ 50L nursery soil |



Foliar Application



High Moisture



Shake Well

1

liter

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## ABC SFB-707<sup>®</sup>



 Physical Appearance:  
**Liquid type / LF**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Foliar Application



Desalination



Shake Well

**1**

liter

## General information:

- ❖ Advanced Soil Desalination and Root activation.
- ❖ Innovative soil conditioner formulated with Polymer and high efficiency EDTA chelating agents.
- ❖ ABC SFB-707 removes accumulated salts and excess sodium ions and + , - charge neutralizes cations.
- ❖ Accelerating salt leaching and restoring soil balance.
- ❖ Improve soil permeability and roots absorb nutrients.

## Product analysis (Wt/Wt,%)

| Zn | K <sub>2</sub> O |
|----|------------------|
| 3  | 3                |

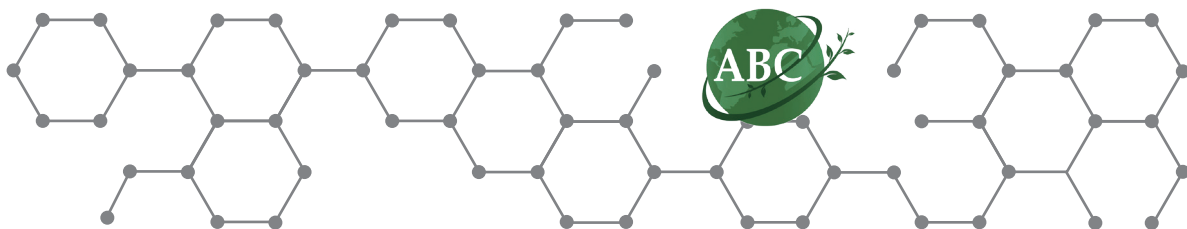
## Applications

| Crop                                  | Time                                                                       | Usage/ha |
|---------------------------------------|----------------------------------------------------------------------------|----------|
| Berries                               | Once with transplant water<br>1 time each in first<br>and second flowering | 2~4L     |
| Leaf or stem<br>vegetables            | Once in transplant water<br>1~2 times every 20~25days<br>in Growth stage.  | 2~4L     |
| Fruit –bearing<br>vegetables          | Once in transplant water<br>1~2 times every 20~25 days<br>in Growth stage. | 2~4L     |
| Root, bulb, or<br>tuberous vegetables | Once in pushing out shoot.<br>Once 20~25 days after shoot                  | 2~4L     |
| Pome fruits and<br>stone fruits       | Once after pushing out<br>new shoot                                        | 3~5L     |
| Other citrus                          | nce after pushing out<br>new shoot Once in fruit stage                     | 2.5~4L   |
| Tobacco                               | Once in pushing out<br>new shoot Once after<br>flowering stage             | 2.5~4L   |

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## ABC Big Cell<sup>®</sup>



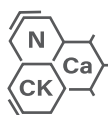
 Physical Appearance:  
**Liquid type / LF**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Foliar Application



High N Ca, Ck



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

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### General information:

- ❖ ABC Big Cell is an organic growth stimulant.
- ❖ ABC Big Cell stimulates fruit cell division and cell growth.
- ❖ ABC Big Cell promote root cell division and cell growth.
- ❖ ABC Big Cell maximize utilization of moisture and nutrients.
- ❖ ABC Big Cell work for regulation of cell water content, cell turgidity and rates of transpiration.
- ❖ ABC Big Cell affect the crop growth, quality and yield.

### Product analysis (Wt/Wt,%)

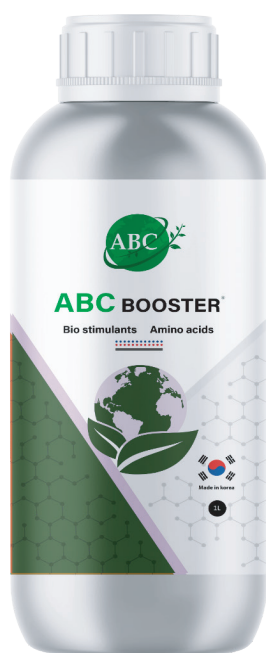
| N             | CaO     | Organic mater | Organic acid |
|---------------|---------|---------------|--------------|
| 6             | 6       | 30            | 2            |
| Bio stimulate | Vitamin | Amino acid    |              |
| 30            | 0.1     | 5             |              |

### Applications

| Crop                           | Dilution           | Usage     | Method                  |
|--------------------------------|--------------------|-----------|-------------------------|
| Hot pepper, Tomato<br>Eggplant | 500~1,000<br>times | 1.2L/ha   | Spray and<br>irrigation |
| Fruits of Hard<br>& Soft Stone | 500~1,000<br>times | 2L/ha     | Spray and<br>irrigation |
| Open field<br>Vegetables       | 500~1,000<br>times | 1~2L/ha   | Spray and<br>irrigation |
| Green House<br>Vegetables      | 500~1,000<br>times | 1~2L/ha   | Spray and<br>irrigation |
| Cashew nut                     | 500~1,000<br>times | 1~2L/ha   | Spray and<br>irrigation |
| Mango                          | 500~1,000<br>times | 1~2L/ha   | Spray and<br>irrigation |
| Banana                         | 500~1,000<br>times | 1~1.5L/ha | Spray and<br>irrigation |



## ABC Booster<sup>®</sup>



 Physical Appearance:  
**Liquid type / LF**

Suitable for:

 **Fruits**

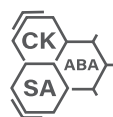
 **Vegetables**

 **Field Crops**

 **Greenhouses**



Foliar Application



High Stimulant



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

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## General information:

- ❖ Cell division and cell growth materials by chemical reaction technic.
- ❖ Good pollination ability and increase 50% over productivity.
- ❖ Increase uptake trace element and micro and micro nutrients.
- ❖ Polysaccharide and amino acid can make high sugar and good color.

## Product analysis (Wt/Wt,%)

| Bio stimulate    | Vitamins      | Amino acids      |
|------------------|---------------|------------------|
| Stimulation      | Antioxidant   | Growing agent    |
| Polysaccharides  | Betaine       | Nutrient         |
| Stress reduction | Cell division | Growing Nutrient |

## Applications

| Crop                     | Time                                                                                                             | Usage       |
|--------------------------|------------------------------------------------------------------------------------------------------------------|-------------|
| Fruits                   | A week before flowering,<br>After a week of falling blossoms,<br>In the beginning and<br>middle of fruit auxesis | 1~2L/ha     |
| Fruits and<br>vegetable  | Within 5 days after<br>transplantation<br>20 days interval                                                       | 0.5~1.5L/ha |
| Open field<br>Vegetables | Within 5 days after<br>transplantation<br>20 days interval                                                       | 0.5~1.5L/ha |
| Strawberry<br>& berry    | Within 5 days after<br>transplantation<br>15 days interval                                                       | 1~2L/ha     |
| Flower<br>& turf         | Within 5 days after<br>transplantation<br>10~15 days interval                                                    | 1~2L/ha     |



## ABC Jelly<sup>®</sup>



 Physical Appearance:  
**Suspension/ SC**

Suitable for:

 **Fruits**

 **Vegetables**

 **Field Crops**

 **Greenhouses**



Foliar Application



High NPK



Shake Well

**1**

liter

### General information:

- ❖ ABC Jelly has the advantages of high concentration of powder and convenience of liquid phase.
- ❖ ABC Jelly has no distribution and storage problems. (Dilation and hardening)
- ❖ ABC Jelly dissolves and absorbs faster.
- ❖ ABC Jelly fertilizers offer high nutrient concentration without crystallization.

### Product analysis (Wt/Wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Trace-element | Organic polymer |
|----|-------------------------------|------------------|---------------|-----------------|
| 14 | 7                             | 21               | EDTA-TE       | Metabolites     |
| 7  | 14                            | 21               | EDTA-TE       | Metabolites     |
| 17 | 17                            | 17               | EDTA-TE       | Metabolites     |

### Applications

| Crop                          | Dilution          | Usage     |
|-------------------------------|-------------------|-----------|
| Hot pepper, Tomato, Eggplant  | 1,000~2,000 times | 1L/ha     |
| Fruits of Hard and Soft Stone | 1,000~2,000 times | 2L/ha     |
| Open field Vegetables         | 1,000~2,000 times | 1L/ha     |
| Carrot, Radish, Cabbage       | 1,000~2,000 times | 1L/ha     |
| Potato Sweet potato           | 1,000~2,000 times | 1L/ha     |
| Black pepper                  | 1,000~2,000 times | 1~1.5L/ha |
| Banana                        | 1,000~2,000 times | 1~1.5L/ha |

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## ABC Sugaring<sup>®</sup>



### General information:

- ❖ Acting accumulation of sugar.
- ❖ As the sugar contents is increasing it promote the movement of nutrients and synthesis.
- ❖ Bio stimulant linked to nutrient for the long term absorption.
- ❖ The effects appear rapidly by free amino acids and c helated trace elements.

### Product analysis (Wt/Wt,%)

| N | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Bio stimulant   |
|---|-------------------------------|------------------|-----------------|
| 1 | 5                             | 5                | Natural hormone |

### Physical Appearance: Liquid type / LF

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**

### Applications

| Crop         | Time                             | Usage/ha  |
|--------------|----------------------------------|-----------|
| Grapes       | From veraison to pre-harvest     | 3L/ha     |
| Citrus       | Fruit coloring stage             | 2~3 L/ha  |
| Tomatoes     | Early ripening phase             | 2~2.5L/ha |
| Strawberries | 2 weeks before harvesting starts | 2L/ha     |
| Cherries     | Pre-ripening stage               | 2.5~3L/ha |
| Pomegranates | From coloring to pre-harvest     | 3L/ha     |
| Mango        | 3~4 weeks before harvest         | 2.5~3L/ha |
| Blueberries  | Pre-harvest stage                | 2L/ha     |
| Watermelon   | After fruit set to mid-ripening  | 2.5~3L/ha |



Foliar Application



High Stimulant



Shake Well

1

liter

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## ABC Coloring<sup>®</sup>



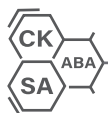
Physical Appearance:  
**Liquid type / LF**

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Foliar Application



High Stimulant



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

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### General information:

- ❖ ABC coloring is a specialized fruit coloring fertilizer developed by ABC Circle.
- ❖ Designed to enhance the natural pigmentation of fruits during the ripening stage.
- ❖ This formula promotes even coloration, improved sugar accumulation, and superior fruit quality.
- ❖ Making it ideal for growers targeting high market value and visual appeal.
- ❖ No color or taste side effects from chemical hormones.

### Product analysis (Wt/Wt,%)

| CaO            | B <sub>2</sub> O <sub>3</sub> | Organic acid |
|----------------|-------------------------------|--------------|
| 5              | 1.5                           | 20           |
| Bio stimulator | Vitamin                       | EDTA-TE      |
| 5              | 1                             | 1            |

### Applications

| Crop                                                         | Time                                        | Usage     |
|--------------------------------------------------------------|---------------------------------------------|-----------|
| Apple, pear, peach,<br>cherry, apricot,<br>nectarine, coffee | End of fruit growth<br>/ pre-maturation     | 2~4L/ha   |
| Citrus fruits                                                | Pre-veraison / veraison                     | 2~4L/ha   |
| Wine grapes,<br>table grapes                                 | Pre-veraison / veraison                     | 2.5~3L/ha |
| Tomato, pepper,<br>eggplant                                  | Pre-veraison<br>/ every 10–15 days          | 2.5~3L/ha |
| Strawberry,<br>blueberries                                   | From the whitening<br>of the fruit          | 1.5~2L/ha |
| Sugar beet                                                   | 2 treatments during<br>tap root development | 2~3L/ha   |



## ABC Ortho<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



Ortho silicic acid



Shake Well

**1**

liter

## General information:

- ❖ Silicic acid is very important for optimal plant health.
- ❖ It helps growers build stronger plants, optimize crop nutrition, plus increase yields and quality. metal toxicity, salinity, drought and temperature stresses.
- ❖ ABC Ortho silicic acid  $\text{Si(OH)}_4$  have 20,000 times higher water solubility and 2~5 times higher uptake ability than other silicic acid.
- ❖ When added water, ABC Ortho silicic acid break apart into monomer form, this is how silicon becomes immediately and rapidly available to plants.

## Product analysis (Wt/Wt,%)

| $\text{Si(OH)}_4$ | MnO | Zn   |
|-------------------|-----|------|
| 5                 | 0.1 | 0.05 |

## Applications

| Crop                     | Usage          | Method                           |
|--------------------------|----------------|----------------------------------|
| Leaf vegetable           | 0.2~0.25Lt /ha | 10~15 days interval<br>3~5 times |
| Pepper, eggplant, tomato | 0.3Lt/ha       | 10~15 days interval<br>5~7 times |
| Fruit                    | 0.3~0.35Lt /ha | 10~15 days interval<br>3~5 times |
| Strawberry, blueberries  | 0.25~0.3Lt /ha | 10~15 days interval<br>3~5 times |
| Paddy, wheat, barley     | 0.25~0.3Lt /ha | 15~20 days interval<br>2 times   |

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## ABC Growth<sup>®</sup>



 **Physical Appearance:**  
**Liquid type / LF**

Suitable for:

 **Fruits**

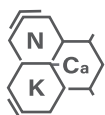
 **Vegetables**

 **Field Crops**

 **Greenhouses**



Foliar Application



High N, Ca



Shake Well

**1**

liter

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## General information:

- ❖ Included all sorts of essential nutrients that can fast absorb and use, natural hormones and L-type amino acid.
- ❖ Excellent recovery effect for root cells that was damaged by over supplying fertilizer and external environment.
- ❖ Promote root cell division by using natural uprooting hormone.
- ❖ Keep out durability and increase yield of root crops, by increasing new root growth.

## Product analysis (Wt/Wt,%)

| T-N | NO <sub>3</sub> | NH <sub>4</sub> | Urea-N |
|-----|-----------------|-----------------|--------|
| 17  | 6.5             | 3.5             | 7.0    |

| K <sub>2</sub> O | CaO | MgO | B <sub>2</sub> O <sub>3</sub> | Mo     |
|------------------|-----|-----|-------------------------------|--------|
| 1                | 4.5 | 2   | 0.05                          | 0.0005 |

## Applications

| Crop                       | Time                             | Usage       |
|----------------------------|----------------------------------|-------------|
| Lettuce, Spinach, Bok Choy | 7~14 days after transplanting    | 1~2L/ha     |
| Tomato, Pepper, Eggplant   | Early vegetative stage           | 1~2L/ha     |
| Potato, Carrot, Radish     | 10~15 days after emergence       | 1~2.5L/ha   |
| Wheat, Corn, Rice          | Tillering to early booting stage | 1~2L/ha     |
| Soybean, Pea, Lentil       | Early vegetative stage           | 1~2L/ha     |
| Citrus, Apple, Mango       | Early spring flush & fruit set   | 1.5~2.5L/ha |
| Cotton, Sugarcane, Coffee  | After sprouting and early growth | 1.5~2.5L/ha |



## ABC 2030<sup>®</sup>



### General information:

- ❖ High density liquid fertilizer that is fast and powerful in small amounts.
- ❖ Strengthen the roots and flush surfaces of horticultural plants.
- ❖ Increase the yield on crops by increasing the rate of fruiting and flowering.
- ❖ Increase the value of the crop by helping to increase fruit growth, sugar, and color.

### Product analysis (Wt/Wt,%)

| P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|-------------------------------|------------------|
| 20                            | 28               |



Physical Appearance:  
**Liquid type / LF**

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Foliar Application



P : K = 2 : 3



Shake Well

1

liter

### Applications

| Crop                         | Time                              | Usage       |
|------------------------------|-----------------------------------|-------------|
| Lettuce, Spinach, Bok Choy   | 7~10 days after transplanting     | 1.5~2L/ha   |
| Tomato, Pepper, Eggplant     | Early growth → Pre-flowering      | 1.5~2L/ha   |
| Potato, Carrot, Radish       | Early vegetative stage            | 1.5~2.5L/ha |
| Apple, Citrus, Mango, Banana | Pre-flowering & fruit development | 1.5~2.5L/ha |
| Wheat, Corn, Rice            | Tillering to booting stage        | 1.5~2.5L/ha |
| Sugarcane, Cotton, Coffee    | Vegetative to ripening stage      | 1.5~2.5L/ha |
| Soybean, Pea, Chickpea       | Early vegetative stage            | 1.5~2.5L/ha |

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## ABC Agroforce<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



P : K = 3 : 2



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

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### General information:

- ❖ This is highly available phosphorous source Phosphate phosphorous.
- ❖ Phosphorous is essential to all plants for optimum yields.
- ❖ This has function of control soil born fungal disease phytophthora spp. and Fusarium spp.
- ❖ Fully soluble phosphate phosphorous source.
- ❖ Improved plant nutrient health and disease resistance.
- ❖ Improve rooting action.

### Product analysis (Wt/Wt,%)

| N | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|---|-------------------------------|------------------|
| 0 | 30                            | 20               |

### Applications

| Crop                         | Dilution        | Usage     |
|------------------------------|-----------------|-----------|
| Hot pepper, Tomato, Eggplant | 500~1,000 times | 1L/ha     |
| Fruit of Hard and Soft Stone | 500~1,000 times | 2L/ha     |
| Open field Vegetables        | 500~1,000 times | 1L/ha     |
| Green House Vegetables       | 500~1,000 times | 1L/ha     |
| Carrot, Radish, Cabbage      | 500~1,000 times | 1L/ha     |
| Mango                        | 500~1,000 times | 1~2L/ha   |
| Potato, Sweet potato         | 500~1,000 times | 1L/ha     |
| Banana                       | 500~1,000 times | 1~1.5L/ha |



## ABC CalB<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

**Fruits**

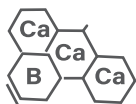
**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



Ca : B = 3: 1



Shake Well

**1**

liter

## General information:

- ❖ Complexed calcium with SFB(special and functional bio-copolymer) fertilizer enhancement to keep high nutrition level in plant mixable with the most common nutrient and pesticides.
- ❖ It is not phytotoxic and does not cause rustiness on the rustiness by foliar application increases the concentration of calmodulin protein.
- ❖ ABC CalB is specifically demanded for the prevention and curative treatment of bitter pit in apples / tomato apical rot / rot(mottling) of sweet pepper rot (spottiness) / melon dry leaves / tip burn of leaf vegetables / cherry, peach, nectarine, plum, watermelon cracking.
- ❖ Promotes calcium rapid translocation in fruit and flowers.

## Product analysis (Wt/Wt,%)

| CaO | B <sub>2</sub> O <sub>3</sub> |
|-----|-------------------------------|
| 14  | 4.5                           |

## Applications

| Crop                    | Usage     | Method                                                      |
|-------------------------|-----------|-------------------------------------------------------------|
| Leaf vegetable          | 2~3L/ha   | Foliar applications every 10-15days from post fruit setting |
| Fruit vegetable         | 1~1.5L/ha | Periodically every 10-12days after trans-plantation.        |
| Fruit tree              | 1.5~2L/ha | Periodically every 12-15days after trans-plantation.        |
| All crops               | 1~1.5L/ha | Applications every 8-10 days during the grow- ing season.   |
| All crops (Fertigation) | 30L/ha    | Treatments in post fruit setting.                           |

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## ABC Micro-Combi®



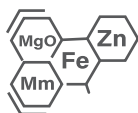
 **Physical Appearance:**  
**Liquid type / LF**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Foliar Application



High TE



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

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### General information:

- ❖ Improves yield, quality and appearance.
- ❖ Reduces nutritional deficiencies.
- ❖ ABC Micro-Combi is a highly concentrated micro and chelated micro elements.
- ❖ ABC Micro-Combi has proven beneficial effects upon plants by stimulating root development.
- ❖ Reduced disease intensity and frequency.
- ❖ Reduces nutritional deficiencies.

### Product analysis (Wt/Wt,%)

| Mo    | MgO | Fe  |
|-------|-----|-----|
| 0.003 | 2.4 | 3.2 |

| Mn  | Zn | Cu  | Bio PGPR |
|-----|----|-----|----------|
| 2.4 | 3  | 0.2 | 2        |

### Applications

| Crop                         | Dilution        | Usage     |
|------------------------------|-----------------|-----------|
| Hot pepper, Tomato, Eggplant | 500~1,000 times | 1~2L/ha   |
| Fruits of Hard & Soft Stone  | 500~1,000 times | 2L/ha     |
| Open field Vegetables        | 500~1,000 times | 1~2L/ha   |
| Green House Vegetables       | 500~1,000 times | 1~2L/ha   |
| Mango                        | 500~1,000 times | 1~2L/ha   |
| Potato, Sweet potato         | 500~1,000 times | 1L/ha     |
| Black pepper                 | 500~1,000 times | 1~1.5L/ha |



## ABC Boron<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



High Boron



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

[www.abccircle.co.kr](http://www.abccircle.co.kr)

### General information:

- ❖ ABC Boron is a liquid micronutrient fertilizer containing boron for foliar application.
- ❖ High quality and consistent true liquid formulation.
- ❖ This product impact on cell development and synthesis of cell wall.
- ❖ Pollination is greatly influenced by boron nutrient.
- ❖ Boron deficiency causing distorted flowers leading to flower and boll shedding in server cases.
- ❖ pH > 6.5 should be identified as being at greatest risk of boron deficiency.

### Product analysis (Wt/Wt,%)

| N   | B <sub>2</sub> O <sub>3</sub> |
|-----|-------------------------------|
| 3.5 | 35                            |

### Applications

| Crop        | Time                                               | Usage        |
|-------------|----------------------------------------------------|--------------|
| Grapes      | Pre-flowering, fruit set                           | 1~2L/ha      |
| Citrus      | Before flowering, fruit set                        | 0.6–1.0 L/ha |
| Banana      | 40–45 days, repeat at 90–100 days before flowering | 1~2L/ha      |
| Apples      | Pink bud, post-harvest                             | 1~3/ha       |
| Chili       | Before flowering, fruit set, every 2 harvests      | 1~2L/ha      |
| Coffee      | Pre and post flowering                             | 1~2 L/ha     |
| Pomegranate | Before flowering, fruit set                        | 1~2 L/ha     |
| Wine Grape  | Pre-flowering, fruit set                           | 1~2 L/ha     |
| Tomato      | Before flowering, fruit set, every 2 harvests      | 1~2 L/ha     |
| Potatoes    | Tuber initiation (30–35 days crop)                 | 1.0L/ha      |



## ABC NK<sup>®</sup>



 Physical Appearance:  
**Liquid type / LF**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Foliar Application



High NK



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

[www.abccircle.co.kr](http://www.abccircle.co.kr)

### General information:

- ❖ ABC NK is a highly concentrated Nitrogen, Potassium and trace element.
- ❖ ABC NK is required in large amounts for normal plant growth and development.
- ❖ ABC NK is controlling stomatal movements and photosynthesis.
- ❖ ABC NK is involved in transport of sugars from the leaf.
- ❖ ABC NK should be available to the growing crop during the early vegetative stages.
- ❖ ABC NK is highly appreciated to additive fertilizer during the middle fruit stages. Fully water soluble and chelated trace elements.

### Product analysis (Wt/Wt,%)

| N  | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |
|----|-------------------------------|------------------|
| 17 | 0                             | 8                |

| Mn     | Zn     | Cu     | B <sub>2</sub> O <sub>3</sub> | MgO    |
|--------|--------|--------|-------------------------------|--------|
| 450ppm | 150ppm | 150ppm | 90ppm                         | 400ppm |

### Applications

| Crop                          | Dilution        | Usage     | Method               |
|-------------------------------|-----------------|-----------|----------------------|
| Hot pepper, Tomato, Eggplant  | 500~1,000 times | 1~2L/ha   | Spray and irrigation |
| Fruits of Hard and Soft Stone | 500~1,000 times | 2L/ha     | Spray and irrigation |
| Open field Vegetables         | 500~1,000 times | 1~2L/ha   | Spray and irrigation |
| Green House Vegetables        | 500~1,000 times | 1~2L/ha   | Spray and irrigation |
| Cashew nut                    | 500~1,000 times | 1~2L/ha   | Spray and irrigation |
| Carrot, Radish Cabbage        | 500~1,000 times | 1L/ha     | Spray and irrigation |
| Black pepper                  | 500~1,000 times | 1~1.5L/ha | Spray and irrigation |



## ABC Rooting<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

**Fruits**

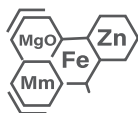
**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



High TE



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

[www.abccircle.co.kr](http://www.abccircle.co.kr)

## General information:

- ❖ to promote vigorous root development and improve plant establishment in various crops.
- ❖ It contains macronutrient & Trace elements, That are essential for crops.
- ❖ It has no gas damage to root, 100% fully well formulated.
- ❖ By stimulating root cell division and enhancing nutrient absorption It keep nutrients and moisture very well.

## Product analysis (Wt/Wt,%)

| MgO   | Fe                            | Mn    | Zn            |
|-------|-------------------------------|-------|---------------|
| 1.5   | 3.5                           | 0.1   | 0.02          |
| Cu    | B <sub>2</sub> O <sub>3</sub> | Mo    | Bio stimulate |
| 0.005 | 0.01                          | 0.004 | 0.05          |

## Applications

| Crop                                        | Time                                                         | Usage                                       |
|---------------------------------------------|--------------------------------------------------------------|---------------------------------------------|
| Tomato, Pepper, Cucumber, Lettuce, Broccoli | Before transplanting (nursery), 3–7 days after transplanting | Dilute 1:1,000–1:2,000 or apply 2–5 L/ha    |
| Carrot, Radish, Potato, Garlic, Onion       | 7–10 days after sowing or early growth stage                 | Dilute 1:1,000 or apply 3–5 L/ha            |
| Citrus, Apple, Grape, Banana, Mango         | Just before or right after bud break                         | Dilute 1:2,000 or apply 5–10 L/ha           |
| Rice, Wheat, Soybean, Corn                  | Seed soaking before sowing or early germination              | Dilute 1:1,000 or 1–2 L per 100 kg of seeds |
| Rose, Chrysanthemum, Tulip, Orchid          | Before cutting (dipping) or transplanting                    | Dilute 1:500–1:1,000                        |
| Coffee, Cocoa, Pineapple, Sugarcane         | Transplanting stage or after pruning                         | Dilute 1:2,000 or apply 5 L/ha              |
| Seedlings of all crops                      | Before transplanting or during establishment                 | Dilute 1:1,000–1:2,000                      |



## ABC Flowering<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Foliar Application



High Boron



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

[www.abccircle.co.kr](http://www.abccircle.co.kr)

### General information:

- ❖ A direct-intake boron & Bio stimulate liquid fertilizer.
- ❖ ABC Flowering is a high-quality plant growth regulator specially formulated to promote flowering and improve fruit set.
- ❖ Enriched with boron, an essential micronutrient, this product supports cell division and elongation, enhancing the development of flowers and ensuring better crop yields.
- ❖ Suitable for application by foliar spraying and through the irrigation system.

### Product analysis (Wt/Wt,%)

| N | B <sub>2</sub> O <sub>3</sub> | MgO    | MnO    |
|---|-------------------------------|--------|--------|
| 5 | 12                            | 400ppm | 450ppm |

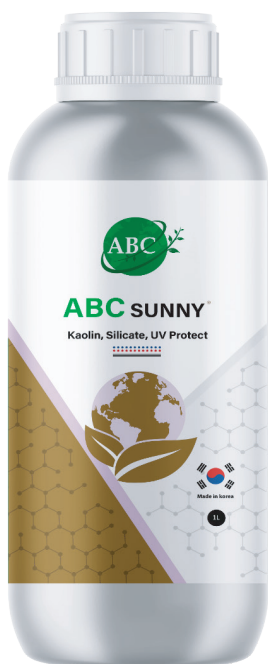
| Zn     | Cu     | Bio stimulate |
|--------|--------|---------------|
| 190ppm | 170ppm | 5             |

### Applications

| Crop            | Time                           | Usage      |
|-----------------|--------------------------------|------------|
| Grapes          | From flowering to fruit set    | 2–3 L/ha   |
| Apples          | 3–4 weeks before flowering     | 2.5–3 L/ha |
| Citrus          | Flower bud formation stage     | 2–3 L/ha   |
| Tomatoes        | Early flowering stage          | 2–2.5 L/ha |
| Strawberries    | 2 weeks before flowering       | 2 L/ha     |
| Cherries        | Pre-flowering stage            | 2.5–3 L/ha |
| Pomegranates    | From flowering to fruit set    | 3 L/ha     |
| Mango           | 3–4 weeks before flowering     | 2.5–3 L/ha |
| Banana          | Flower initiation to fruit set | 2–3 L/ha   |
| Peach/Nectarine | Early flowering to fruit set   | 2.5–3 L/ha |
| Blueberries     | Pre-flowering stage            | 2L/ha      |
| Watermelon      | After flower set to fruit set  | 2.5–3 L/ha |
| Melon           | Flowering to fruit set         | 2.5–3 L/ha |



## ABC Sunny<sup>®</sup>



 Physical Appearance:  
**Suspension/ SC**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Foliar Application



Sun Protect



Shake Well

**1**

liter

### General information:

- ❖ ABC Sunny is a Kaolin, Silicate, UV Protect and Surfactant.
- ❖ ABC Sunny assist in the prevention and reduction of sun burn damage to fresh produce and general crops.
- ❖ ABC Sunny forms a White and Grey protective film.
- ❖ ABC Sunny uniform coverage is also required curing periods of heat stress.
- ❖ ABC Sunny white material is no harmful to crop and human.
- ❖ For the best results apply this product in early morning or late evening.

### Applications

| Crop        | Dilution    | Usage    | Method |
|-------------|-------------|----------|--------|
| Pre-harvest | 1L/200~500L | 2~3kg/ha | Spray  |

Producer: ABC Circle Co., Ltd.

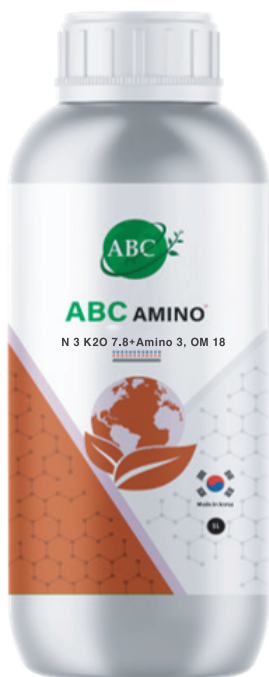
**+82-70-5089-3180**

[www.abccircle.co.kr](http://www.abccircle.co.kr)





## ABC Amino<sup>®</sup>



Physical Appearance:  
**Liquid type / LF**

Suitable for:

**Fruits**

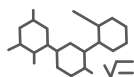
**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



High Amino



Shake Well

**1**

liter

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

[www.abccircle.co.kr](http://www.abccircle.co.kr)

### General information:

- ❖ ABC Amino is a stimulant; applications result in increased root growth and yield in a wide range of crops.
- ❖ ABC Amino is concentrated amino acid extract solution.
- ❖ ABC Amino contained amino acid, chemical fertilizer and organic material.
- ❖ ABC Amino improved germination.
- ❖ ABC Amino improved yield and earlier harvest.
- ❖ ABC Amino improved plant health.
- ❖ ABC Amino used formated amino acid.

### Product analysis (Wt/Wt,%)

| OM | T-N | K <sub>2</sub> O | Amino | MgO    |
|----|-----|------------------|-------|--------|
| 18 | 3.0 | 7.8              | 3     | 400ppm |

| MnO    | Zn     | Cu     | B <sub>2</sub> O <sub>3</sub> | Poly-saccharide | Vitamin |
|--------|--------|--------|-------------------------------|-----------------|---------|
| 450ppm | 190ppm | 170ppm | 90ppm                         | 11              | 0.5     |

### Applications

| Crop                          | Dilution        | Usage   |
|-------------------------------|-----------------|---------|
| Hot pepper, Tomato, Eggplant  | 500~1,000 times | 1~2L/ha |
| Fruits of Hard and Soft Stone | 500~1,000 times | 2L/ha   |
| Open field Vegetables         | 500~1,000 times | 1~2L/ha |
| Green House Vegetables        | 500~1,000 times | 1~2L/ha |
| Potato & Sweet potato         | 500~1,000 times | 1L/ha   |



## ABC Zinc<sup>®</sup>



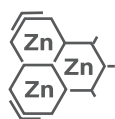
 Physical Appearance:  
**Suspension type / SC**

Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Foliar Application



High Zinc



Shake Well

**1**

liter

## General information:

- ❖ ABC Zinc is used to correct and prevent zinc deficiency in crops through foliar application. It supports healthy growth, improves yield, and is especially effective in soils with low zinc availability.
- ❖ Zinc oxide in a stable SC 39.5% formulation ensures rapid and effective uptake by plants, promoting strong growth and development.
- ❖ Zinc plays a key role in strengthening plant immunity, helping crops resist common fungal and bacterial diseases.
- ❖ Regular application supports enzyme activity and metabolic processes, resulting in healthier, higher-quality yields.

## Product analysis (Wt/Wt,%)

| Zn   | Type                              |
|------|-----------------------------------|
| 39.5 | Zinc Oxide Suspension Concentrate |

## Applications

| Crop            | Time         | Usage       |
|-----------------|--------------|-------------|
| Leaf vegetable  | Foliar spray | 1,000~2,000 |
| Fruit vegetable | Foliar spray | 1,000~2,000 |
| Fruit tree      | Foliar spray | 1,000~2,000 |
| All crop        | Foliar spray | 1,000~2,000 |

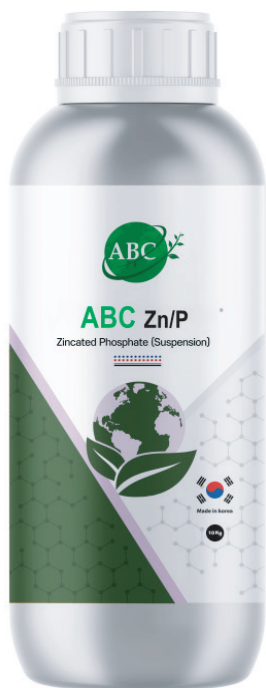
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## ABC Zn/P<sup>®</sup>



Physical Appearance:  
**Suspension type / SC**

Suitable for:

**Fruits**

**Vegetables**

**Field Crops**

**Greenhouses**



Foliar Application



High NPK



Shake Well

**1**

liter

### General information:

- ❖ ABC Zn/P is formulated as a suspension concentrate of zincated phosphate, for seed treatment. ABC Zn / P helps in supply of Zn and Phosphorous to early growth, root development and overall seedling vigour.
- ❖ The zinc and phosphorus in the suspension improve the germination rate and overall vigor of seedlings.
- ❖ Inhibits pathogen by enhancing the defense system by boosting plant immunity against pathogens.
- ❖ Phosphorus and zinc helps development that support root system.

### Product analysis (Wt/Wt,%)

| Zn | P <sub>2</sub> O <sub>5</sub> | Type                          |
|----|-------------------------------|-------------------------------|
| 19 | 13.5                          | Zincated Phosphate suspension |

### Applications

| Crop                                 | Dilution       | Dosage (ml/Liter water) |
|--------------------------------------|----------------|-------------------------|
| Onion/Garlic                         | Seed Treatment | 10~15                   |
| Grams, Groundnut, Maize/Corn, cotton | Seed Treatment | 8                       |
| Rice, Sunflower                      | Seed Treatment | 10                      |
| Wheat                                | Seed Treatment | 6                       |

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

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## ABC Silicate<sup>®</sup>



 Physical Appearance:  
**Liquid type / LF**

Suitable for:

 **Fruits**

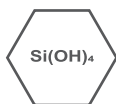
 **Vegetables**

 **Field Crops**

 **Greenhouses**



Foliar Application



Ortho silicic acid



Shake Well

**1**

liter

### General information:

- ❖ ABC Silicate is formulated in a physically and chemically stabilized liquid form, ensuring consistent performance, long-term storage stability, and easy application in crop production.
- ❖ Supplies soluble silica (Si), strengthening plant cell walls and improving resistance to lodging and environmental stress.
- ❖ Enhances plant defense against diseases and pests by reinforcing natural protective barriers.
- ❖ Improves nutrient uptake efficiency and overall crop growth by balancing physiological functions.

### Product analysis (Wt/Wt,%)

| SiO <sub>2</sub> | Type                                 |
|------------------|--------------------------------------|
| 24               | Concentrated Silicic acid fertilizer |

### Applications

| Crop            | Method       | Dosage (ml/Liter water) |
|-----------------|--------------|-------------------------|
| Leaf vegetable  | Foliar spray | 1,000~2,000             |
| Fruit vegetable | Foliar spray | 1,000~2,000             |
| Fruit tree      | Foliar spray | 1,000~2,000             |
| All crop        | Foliar spray | 1,000~2,000             |

Producer: ABC Circle Co., Ltd.

**+82-70-5089-3180**

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