

BAICOR Complexes

Complexes are not 100% chelated products and are not meant to be mixed with phosphorus in general. Some companies consider and sell their complexes as chelated which is misleading; ***we want you to know the difference.***

Our complexes are extremely effective. We use natural organic and amino acids and carbohydrates to help in greater translocation and uptake for the plant. ***The nutrients are generally higher in percentage and are less costly as well.***

COMPLEXED ZINC 13%

- Increases leaf and fruit size & quality
- Helps calcium translocation
- Essential in uniform seed formation

1 U.S. Gallon • Net Weight 11.93 lbs.
3.78 Liters • 5.42 Kg.
Specific Gravity 1.43 • pH: 3.6

COMPLEXED POTASSIUM 1-0-10 & 1-0-23

- Maintains turgor in cells, improves color in fruits
- Necessary for formation of sugars and many enzymatic reactions.

1 U.S. Gallon • Net Weight 9.68 & 10.76 lbs.
3.78 Liters • 4.39 & 4.75 Kg.
Specific Gravity 1.16 & 1.29 • pH: 5.9 & 7.4

COMPLEXED PHOSPHOROUS 3-12-0

- Promotes root flower and seed development
- Energy transformation and storage
- Formation of RNA and DNA

1 U.S. Gallon • Net Weight 9.34 lbs.
3.78 Liters • 4.24 Kg. • Specific Gravity 1.12 • pH: 3.5

COMPLEXED IRON 5.0%

- Essential for chlorophyll formation
- Catalyzes many enzymatic reactions essential for respiration and photosynthesis

1 U.S. Gallon • Net Weight 10.09 lbs.
3.78 Liters • 4.58 Kg. • Specific Gravity 1.21 • pH: 1.9

COMPLEXED MANGANESE 10.0%

- Aids nitrogen utilization, phosphorous and magnesium uptake
- Serves as an activator for enzymes

1 U.S. Gallon • Net Weight 11.68 lbs.
3.78 Liters • 5.30 Kg. • Specific Gravity 1.40 • pH: 2.3

Each of these products contains an organic base. The complexed metals are in the available form for immediate use for plant growth and development. The natural organic base is fully biodegradable providing energy for cellular metabolism.



BAICOR Complexes

COMPLEXED CALCIUM 12.0%

- Regulates nutrients uptake by roots to the entire plant
- Maintains cell wall development for firmer fruits and vegetables

1 U.S. Gallon • Net Weight 11.41 lbs.
3.78 Liters • 5.18 Kg. • Specific Gravity 1.37 • pH: 5.2

COMPLEXED CALCIUM A+ 10-0-0 12%

1 U.S. Gallon • Net Weight 12.43 lbs.
3.78 Liters • 5.65 Kg. • Specific Gravity 1.49 • pH: .43

COMPLEXED MOLYBDENUM 3.0%

- Conversion of nitrate to amino acids, essential for nitrogen fixation

1 U.S. Gallon • Net Weight 9.01 lbs.
3.78 Liters • 4.09 Kg. • Specific Gravity 1.08 • pH: 6.1

COMPLEXED COBALT 3.0%

- Part of vitamin B12 and essential for nitrogen fixation

1 U.S. Gallon • Net Weight 9.09 lbs.
3.78 Liters • 4.13 Kg. Specific Gravity 1.09 • pH: 4.5

COMPLEXED BORON 3.0%

- Assists calcium & sugar uptake
- Important for early growth, flowering and fruit set

1 U.S. Gallon • Net Weight 9.26 lbs.
3.78 Liters • 4.20 Kg. • Specific Gravity 1.11 • pH: 7

Each of these products contains an organic base. The complexed metals are in the available form for immediate use for plant growth and development. The natural organic base is fully biodegradable providing energy for cellular metabolism.



Complexed Silicon 3.0%

Silicon is an essential mineral element for some plants and is beneficial for all higher plants. It can function as an essential trace element in metabolic roles and also accumulate in large quantities in certain tissues, cells and cellular components to enhance physical attributes of plants. Silicon may provide mechanical protection in the epidermal root cells acting as a barrier against pathogen and parasitic invasion. Silicon associates with calcium and pectin in the intercellular wall spaces in the roots providing rigidity and protecting against lodging so important in small grains. This also provides rigidity of leaves improving photosynthetic activity. It reinforces the walls of the vessel cells in the xylem, preventing compression under conditions of high transpiration thus improving sap circulation.

In trace amounts silicon forms silicon – enzyme complexes which function in metabolic roles in photosynthesis and respiratory processes. It has important roles in the formation of new leaves, pollination, fruit formation and fruit storage. Especially in rice and sugarcane significant yield increases have been shown by the addition of silicon.

Baicor silicon 3% has added natural components including amino acids and *Ascochylla nodosum* enhancing uptake, translocation and effectiveness. It also provides elicitor and positive growth regulation.

Baicor silicon 3% has added natural components including amino acids and *Ascochylla nodosum* enhancing uptake, translocation and effectiveness. It also provides elicitor and positive growth regulation. Summary of Beneficial effects of Baicor's phyto plus Silicon 3%

Physical Action

- Reduced water loss due to cuticular processes.
- Resistance to fungal attack.
- Increased resistance to lodging and pest.
- Structure rigidity.

Metabolic & Physiological Roles

- Elicitor action against stresses.
- Enzyme – Si complexes that enhances photosynthetic and respiratory processes.
- Leaf formation.
- Pollination and fruit set.
- Increased fruit quality and storage.
- Reduces leaching of phosphorus in sandy soil.
- Plant tolerance to high levels of Mn and Fe.

GUARANTEED ANALYSIS

Silicon (Si)3.0%

Application Rates

ADD WATER FIRST TO TANK OR SPRAYER BEFORE ADDING PRODUCT!

AERIAL APPLICATIONS: Use at least 20 parts water to 1 part of BAICOR fertilizer. Add at least 20 parts water before introducing product.

FOLIAR APPLICATIONS: Use at least 100 parts water to 1 part BAICOR Fertilizer. Add at least 50 parts of water before introducing product.

FRUIT, NUT & VINE CROPS: Including (but not limited to) almonds, hazelnuts, grapes, pecans and walnuts. Apply 0.5 – 1.5 quarts per acre.

NOTE: Before applying to pome or stone fruit, consult your qualified and licensed consultant for recommendations.

FIELD AND VEGETABLE CROPS: Apply 0.5 – 1.5 quarts per acre.

GRAIN CROPS: Apply 0.5 – 1.5 quarts per acre at 3-4 leaf stage.

TURF GRASSES: Apply 0.5 – 1.5 quarts per acre.

SPRINKLER IRRIGATION: Apply 1-3 quarts per acre with irrigation water. Use check valve to prevent back flow into water system

SOIL APPLICATION RATES: Use at least 20 parts water to 1 part BAICOR fertilizer. Do not apply directly to seeds unless it has been determined/tested by the consultant or grower that it is not harmful or injurious to the seed.

Maintenance Concentration	1 qts/acre
Beginning Deficiency	2 qts/acre
Severe Deficiency	3 qts/acre

Sulfur 22%

SULFUR is a component of essential amino acids and proteins in the plant. It provides the sulfur for amino acids and other compounds that are necessary for many reactions that occur in plant metabolism that increase normal growth and development. Sulfur helps to make nitrogen utilization more efficient. It is also a component that gives certain food crops a distinctive flavor and aroma.

GUARANTEED ANALYSIS

Total Nitrogen (N).....	11.0%
10.0% Ammoniacal Nitrogen	
1.0% Urea Nitrogen	
Sulfur (S).....	22.0%

Organic and amino acids are added to make this product more effective as a sulfur source.

Sulfur is required in high amounts by plants and this complexed sulfur is soluble and available for immediate use.

COMPLEXED SULFUR 11-0-0 22.0%

- Promotes growth and maturity
- Flavor component
- Makes nitrogen more efficient
- Amino acid component



Application Rates

ADD WATER FIRST TO TANK OR SPRAYER BEFORE ADDING PRODUCT!

SPRINKLER IRRIGATION: Apply 1 – 4 quarts per acre with irrigation water. Use check valve to prevent back flow into water system

SOIL APPLICATION RATES: Use at least 20 parts water to 1 part BAICOR fertilizer. Do not apply directly to seeds unless it has been determined/tested by the consultant or grower that it is not harmful or injurious to the seed.

Maintenance Concentration	2 qts/acre
Beginning Deficiency	3 qts/acre
Severe Deficiency	4 qts/acre