



COLFERT Special

Specialty Line Nutrients



COLFERT Special is an advanced nutrient range developed to enhance crop efficiency, meet specific nutritional needs, and promote healthy growth and high productivity.

Available in 1, 5 & 20 L

COLFERT Special Cal

COLFERT Special Cal is a mixture of high concentration calcium-magnesium and micro-elements in gel form completely soluble in water can be applied to all fruit and vegetable crops to improve fruit firmness, storability, color and skin finish.

COLFERT Special Cal is effective in supplementing calcium and magnesium to improve cell wall structure, cell elongation, photosynthesis and stomata regulation.

COLFERT Special Cal Ideal for quality issues relating to calcium deficiency such as blossom end rot, bitter pit, tip burn, die-back, soft fruit and more

COLFERT Special Cal is a high use efficiency and quick uptake by crops.

COLFERT Special Cal is a recommended fertilizer to supply Calcium and Magnesium to plants.

COLFERT Special Cal can be used by foliar application and by fertigation.

COLFERT Special Cal is chloride free, plant safe formulation that won't burn plants

% Nutrient Content (W/V)

Nitrogen N	15.00%
Calcium CaO	22.50%
MgO	3.00%
Mn*	1500 ppm
Fe*	750 ppm
B	750 ppm
Cu*	600 ppm
Zn*	300 ppm
Mo	15 ppm

**Chelated on EDTA*

Rate of Use:

Crops	Rate of application		Stage
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	4 – 8 l/ha	350 – 500 ml/100 L	Throughout the growing cycle
Vegetable crops on Greenhouses	4 – 8 l/ha	350 – 500 ml/100 L	
Vegetable crops on open fields	3 – 6 l/ha	350 – 500 ml/100 L	
Nurseries	2 l/ha	150 – 300 ml/100 L	Throughout the propagation period
Flowers and Ornamentals	2 – 3 l/ha	150 – 200 ml/100 L	Throughout the growing cycle

The application rates above are guidelines and relay on deficiency situation on plant, we recommend using minimum dosage for slight deficiency, and maximum dosage for severe deficiency.

COLFERT Special CalBor

% Nutrient Content (W/V)

Calcium (CaO)	10%
Boron (B)	0.5%
Organic Matter	20%

Specifications:

1. **COLFERT Special CalBor** is calcium & boron complex and chelated with fulvic acid and carboxylic acid that assists in the absorption of calcium and boron into the leaf of the plant in the most rapid and efficient manner.
2. Supplying the fruits with calcium will promote longer storage life and will resist physiological breakdown conditions like bitter pit in apples, tip burn in lettuce & blossom end rot in tomato.
3. Pollination is greatly influenced by boron availability. Sufficient boron is required for pollen producing capacity and pollen grain viability.
4. The combination with boron allows the calcium to be rapidly assimilated and transported to the places to be used.
5. **COLFERT Special CalBor** can be used by foliar application and by fertigation.
6. Contains trace elements chelated with EDTA to insure optimal plant growth.

Rate of Use:

Crops	Application Rate		Application time
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	12 – 25 l/ha	3 – 6 l/ha	Before flowering and during fruiting stage.
Vegetable (Greenhouses)	12 – 25 l/ha	2.5 – 5 l/ha	
Vegetable (open fields)	12 – 25 l/ha	3 – 6 l/ha	
Nurseries	8 l/ha	1 – 2 l/ha	After 4 th true leaves appearance
Flowers and Ornamentals	12 – 25 l/ha	1.5 – 3 l/ha	After transplanting and before flowering

**The application rates above are guidelines and rely on deficiency situation on plant, we recommend using minimum dosage for slight deficiency, and maximum dosage for severe deficiency*

COLFERT Special Boost

Foliar formula for boosting buds, improving fruit set & fruit quality.

Specifications:

1. Formula rich in boron, zinc & molybdenum combined with free amino acids of vegetal origin, designed for foliar application.
2. Boosts lateral bud development, blossoming, setting and improving fruit size and weight.
3. Improves fruit setting during high temperature.
4. Designed with rapid absorption & penetration feature, leading to quick results.
5. Prevents and cure all boron and zinc deficiencies and addition of molybdenum which molybdenum plays a key role in converting nitrogen and phosphorus into amino acids then supports the flowering and fruit setting process.
6. Improves plant reserves of B & Zn when applied for fruit trees late in the season.
7. Can be applied on potato crops two weeks before harvesting to improve tubers quality and size.
8. Tank-mixed with most fertilizers and pesticides, but local experiment should be considered.

% Nutrient Content (W/V)

Free Amino Acids	5%
Zinc (Zn)	4%
Boron (B)	4%
Molybdenum (Mo)	0.1%

Rate of Use:

Crop	Application Rate (Foliar)	Application Time
Vegetables Green houses Open field	1-1.5 l/ha	Before flowering, during fruit setting and in case of deficiency
Field crops	1-1.5 l/ha	Heading stages
Fruit trees	1.5-2 l/ha	Before flowering, during fruit setting, post-harvest and in case of deficiency.
Ornamentals & flowers	0.5-1 l/ha	Upon need

COLFERT Special Bor

% Nutrient Content (W/V)

Boron (Ethanolamine complexed)15%

Specifications:

1. Clear liquid formulation containing boron complexes with organic matter to enhance availability and foliar penetration.
2. COLFERT Bor will prevent and cure all born deficiencies.
3. Boron has an essential role in strengthening the cellular cell wall along with Ca, also in increasing cellular division in buds and new growths.
4. Improves flowering and fruit setting by enhancing growth and viability of pollen.
5. Increases the accumulation of sugars and optimizes the ripening process.
6. Tank-mixed with most fertilizers and pesticides, but local experiment should be considered.

Rate of Use:

Crop	Application Rate (Foliar)	Application Time
Vegetables Green houses Open field	1-1.5 l/ha	Before flowering, during fruit setting and in case of deficiency
Field crops	1-1.5 l/ha	Heading stages
Fruit trees	1.5-2 l/ha	Before flowering, during fruit setting, post-harvest and in case of deficiency.
Ornamentals & flowers	0.5-1 l/ha	Upon need

COLFERT Special Plus (Seaweed extract Biostimulant)

% Nutrient Content (W/V)

Seaweed extract (potassium alginate) 15%

Free Amino Acid 10%

Specifications:

1. **COLFERT Special Plus** is liquid biostimulant extract derived from high quality of natural seaweed variety *Ascophyllum nodosum* combined with trace elements, multi-vitamins, humic acid, amino acids, lignin and major phytohormones which specially designed to stimulate plant growth and provide plant with the necessary energy to overcome stress conditions such as heat, drought and frost.
2. Enhance cells division.
3. Increases photosynthesis and chlorophyll production.
4. Improve protein and carbohydrate synthesis.
5. Improve yields and crop quality.
6. Enhances the development of new seedlings and speeds up establishment.
7. Utilization of applied fertilizers.
8. Contains wetting agent for more efficient use.

Rate of Use:

Crops	Application Rate (Foliar)	Application Time
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	1 – 2 l/ha	Throughout the growing cycle
Vegetable crops on Greenhouses	1 – 2 l/ha	After transplanting and throughout the growing cycle
Vegetable crops on open fields	1 – 2 l/ha	
Nurseries	1 – 2 l/ha	Starting from 4 th leaf
Flowers and Ornamentals	1 – 2 l/ha	After transplanting and throughout the growing cycle

COLFERT Special Phos

% Nutrient Content (W/V)

Phosphorus (P ₂ O ₅)	57
Potassium (K ₂ O)	28

Specifications:

- COLFERT Special Phos** is a highly concentrated solution made from phosphorus and potassium, which all phosphorus comes from phosphite anion (H₂PO₃).
- COLFERT Special Phos** acts as activator of plant defense against possible diseases caused mainly by oomycetes like pythium and phytophthora. It strengthens the stem, roots and leaves, and decreases the damage caused by pathogens. It also prevents rotting in high humidity conditions.
- Potassium intervenes in the water regulation mechanisms of the plant, in the formation of proteins and the synthesis of carbohydrates (starch and cellulose). It serves as an activator in the processes of cellular respiration and enables the active formation of many enzymes involved in metabolic processes. Moreover, it also regulates the transportation of products derived from photosynthesis by phloem.
- Enhances plant resistance to drought, frosts and fungal diseases by increasing the mechanical resistance of the stems and by strengthening the root system. It also participates in the development and ripening process of fruits.
- COLFERT Special Phos** is a fertilizer that promotes the natural defenses of the plant against diseases and climate conditions.

Rate of Use:

Crops	Application Rate		Application Time
	Fertigation	Foliar	
Fruit trees, Citrus, Grape, Olive, Pears, Stone fruits	5 – 7 l/ha	200 – 350 ml / 100 L	Apply during the formation of the root system, flowering and fruit setting period.
Vegetable crops on Greenhouses	4 – 6 l/ha	200 – 300 ml / 100 L	
Vegetable crops on open fields	5 – 7 l/ha	200 – 350 ml / 100 L	
Nurseries	4 – 5 l/ha	150 – 200 ml / 100 L	Throughout the propagation period.
Flowers and Ornamentals	5 – 7 l/ha	200 – 350 ml / 100 L	Throughout the growing cycle.

COLFERT Vita

COLFERT Vita is product with a high content of free amino acids, in levorotatory form (L-amino acid), specially designed as foliar and root fertilizer. It is a protein hydrolysate in liquid form, which provides the plant with amino acids necessary for greater vegetative development especially in difficult time in unfavorable climate conditions.

COLFERT Vita is available in two concentrations amino acids:

COLFERT Vita 14%

% Nutrient Content (W/V)

Free Amino Acids	14%
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COLFERT Vita 24%

% Nutrient Content (W/V)

Free Amino Acids	24%
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Rate of Use:

Crop	Application Rate (Foliar) / 100 L Water	Application Time
Vegetables (Green house, Open field)	1-1.5 l/ha	2-4 times during the vegetative cycle according to the crop, the agronomical conditions and the nutritional requirements.
Field crops	1-1.5 l/ha	
Fruit trees	1.5-2 l/ha	
Ornamentals & flowers	0.5-1 l/ha	
Nurseries		