

The COLFERT Essential range is a line of **advanced liquid formulations** rich in essential macro-nutrients designed to maximize crop growth, vitality and productivity. Our innovative technologies ensure **high nutrient availability, rapid plant absorption, and superior performance** under diverse growing conditions.

Available in 1 , 5, 20 and 1000 Liters

COLFERT Essential KTS (0-0-36+25% Sulfur)

A fully water-soluble liquid fertilizer providing high concentrations of potassium and sulfur in the form of potassium thiosulfate ($K_2S_2O_3$). Thiosulfate gradually releases sulfuric acid, helping to acidifying the root zone and unlock fixed nutrients — particularly Phosphorous (P), Iron (Fe) and Manganese (Mn) — for improved plant uptake.

Applications:

- Suitable for fertigation and foliar spraying.
- Enhances fruit quality, size, and ripening speed.

% Nutrient Content (W/V)

K₂O	36.0
S	25.0

Rate of Use:

Crop	Application Rate		Time of Application
	Fertigation	Foliar ml/100 L	
Vegetables Green House Open Field	1.5 - 3 L / 500m ² 10 - 20 L / Ha	200 - 300 ml / 100 L Water	Fruit development & ripening stages
Field crops	8 - 10 L / Ha		Heading stage
Fruit trees**	10-20 L/ha	Fruit development & ripening stages	Fruit development & ripening stages
Ornamentals & flowers	10-20 L/ha	Upon need	Upon need

**Not recommended to be mixed with other fertilizers or pesticides.

**A small-scale compatibility test is advised before use on fruit trees.

COLFERT Essential N (40-0-0)

A highly concentrated liquid nitrogen formulation containing three nitrogen forms — Nitric, Ammoniacal, and Ureic — to ensure balanced nutrition and sustained growth.

Plants absorb nitrogen primarily as Nitrate (NO_3^-) and Ammonium (NH_4^+) ions, while Urea converts to NH_4^+ after hydrolysis, ensuring continuous nitrogen availability.

Applications:

- Suitable for foliar spraying and fertigation during vegetative growth to enhance vigor and leaf expansion.

% Nutrient Content (W/V)

Total N	40.0
Nitric-N	11.0
Ammoniacal-N	11.0
Ureic-N	18.0

Rate of Use:

Crop	Application Rate		Time of Application
	Fertigation	Foliar ml/100 L	
Vegetables Greenhouses Open Field	1.5 - 3 L / 500 m ² 10 - 20 L / Ha	200 - 300 ml / 100 L Water	During vegetative growth stages
Field crops	8 - 10 L / Ha		1 month old plants
Fruit trees	10 - 20 L / Ha	200 - 300 ml / 100 L Water	During vegetative growth stages
Ornamentals & flowers	10 - 20 L / Ha	200 - 300 ml / 100 L Water	Weekly
Nurseries	5-10 L/ha	200 - 300 ml / 100 L Water	Upon need

COLFERT Essential KTC (0-0-36+ 50% Organic Matter)

A clear liquid fertilizer rich in potassium complexed with citric acids. The organic potassium citrate form ensures rapid uptake through both roots and leaves during potassium-demanding stages.

Key Benefits:

- Enhances fruit size, sugar content, and color development.
- Improves soil properties, buffering capacity, and microbial activity.
- Increases plant vitality, vigor, and disease resistance.

% Nutrient Content (W/V)

K₂O	36.0
% content (W/V)	50.0

Rate of Use:

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables Greenhouses Open Field	1.5 - 3 L / 500 m ² 10 - 20 L / Ha	200 - 300 ml /100 L Water	Fruit development & ripening stages
Field crops	8 - 10 L / Ha		Heading stage
Fruit trees	10-20 L/ha	200 - 300 ml /100 L Water	Fruit development & ripening stages
Ornamentals & flowers	10-20 L/ha	200 - 300 ml /100 L Water	Upon need

COLFERT Essential P (5-40-5)

A phosphorus-rich liquid fertilizer with a naturally acidic pH, ensuring optimum root adsorption and improved nutrient availability, especially in alkaline soils.

Ideal for starter applications, root development, and flower induction, while also helping to balance the pH of alkaline spray solutions.

% Nutrient Content (W/V)

Total N				P ₂ O ₅	K ₂ O
	Nitric-N	Ammoniacal-N	Ureic-N		
5	0	1.5	3.5	40.0	5.0

Rate of Use:

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables Green House Open Field	2-4 kg/500 m ² 12-15 kg/ha	200-300 g/100 L water	During root development and flowering stage
Field crops	12-15 kg/ha		1 month old plants
Forages	12-15 kg/ha		1 month old plants
Fruit trees	12-15 kg/ha	200-300 g/100 L water	flowering stage
Ornamentals	12-15 kg/ha	200-300 g/100 L water	Upon need
Nurseries	100 - 150 gm/100 L water		After true leaves formation

COLFERT Essential PK (0-33-44)

A fully water-soluble liquid fertilizer provides high concentrations of phosphorus and potassium.

It enhances flower initiation, fruit size, and total solids formation, while improving plant resilience to stress, disease, and unfavorable growing conditions.

% Nutrient Content (W/V)

P₂O₅	33%
K₂O	44%

Rate of Use:

Crop	Application Rate		Time of Application
	Fertigation	Foliar	
Vegetables Green House Open Field	2-4 L/500 m ² 12-15 L/ha	200-250 ml/100 L water	During fruit development stage
Field crops	12-15 L/ha		During heading stage
Forages	12-15 L/ha		After each cut
Fruit trees	12-15 L/ha	200-250 ml/100 L water	During fruit development stage
Ornamentals	10-12 L/ha	200-250 ml/100 L water	Upon need