



GLUCCO

Complexed Organic Zinc Corrector

Zn



FERTILIZER



IMPORTED FROM EU



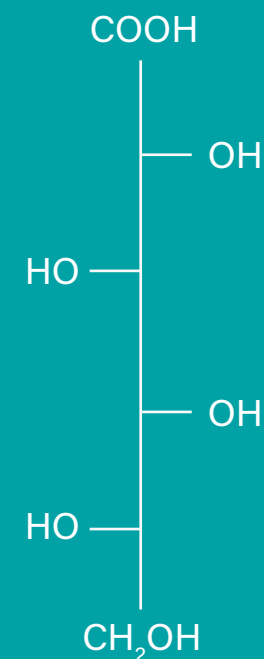
General physico-chemical properties



The fundamental structural characteristic of gluconic acid is the presence of more than one hydroxyl group in the structure and a terminal carboxylic acid, which confers to it some special physico-chemical characteristics.

The presence of more than one hydroxyl group brings some advantages, as for example, great solubility, biodegradability and chemical stability of the complexes even in alkaline conditions.

Glucoheptonic acid



Gluconic acid structure

Synonyms

- D-Gluconic Acid , Gluconic Acid

Molecular Formula

- C₆H₁₂O₇

Molecular Weight

- 196.16 g/mol

CAS Registry Number

- 526-95-4

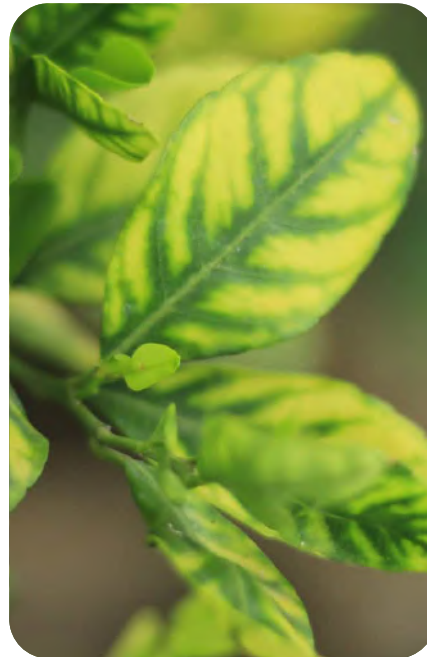
EINECS

- 208-401-4

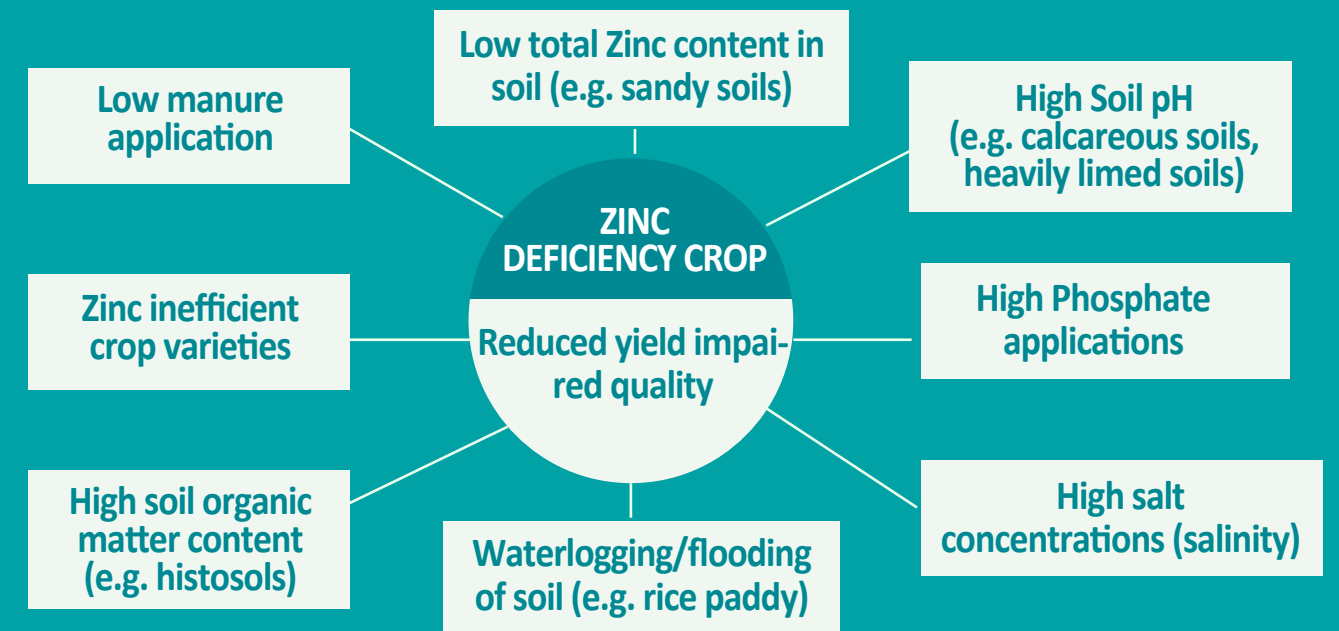
Why is important for?



Zinc deficiency is probably the most common micronutrient deficiency in crops worldwide, resulting in substantial losses in crop yields and human nutritional health problems. Deficiency in Zinc might result in significant reduction in crop yields and quality. In fact, yield can even be reduced by over 20% before any visual symptoms of deficiency occur.



SCHEMATIC DIAGRAM OF THE CAUSES OF ZINC DEFICIENCY IN CROPS



Characteristics



GLUCCO Zn is a Zn fertilizers solution complexed with gluconic acid. Once applied, either into the soil, hydroponics or foliar, product is readily assimilated by plants, and Zn ion it moves free into floem. Zn (Zinc) in GLUCCO Zn is chelated by gluconic acid in a ferric ammonium salt, assimilable and usable form by the plant, both foliar and root application. This provides to the product a high solubility

Composition

%w/v


Zinc (Zn)
pH 6-7
Density: 1.27


5,8

Natural Chelating Agent (Gluconic Acid)



Recommendation for use by crops

ALL CROPS	TIME	RECOMMENDATION	AIM / PROBLEM
	For seed/plant seed dressing	0,2 -0,3 L/dt	Seed dressing with nutrients for improved early growth development and vitality.

COTTON	TIME	RECOMMENDATION	AIM / PROBLEM
	From budding	2 - 3 times 2 -3 L/ha	Flowering quality, calcium transport, fruit set, quality, winter hardiness


CEREALS	TIME	RECOMMENDATION	AIM / PROBLEM
	From 3-leaf stage	1 - 3 times 2 -3 L/ha	N efficiency, flowering quality, fertilization, stress tolerance, vitality

CITRUS FRUITS	TIME	RECOMMENDATION	AIM / PROBLEM
	From white bud to harvest	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

Recommendation for use by crops

DESSERT GRAPES	TIME	RECOMMENDATION	AIM / PROBLEM
	Inflorescences visible	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

HOPS	TIME	RECOMMENDATION	AIM / PROBLEM
	From 0.5 m growth height	1 - 2 times 2-3 L/ha	N efficiency, flowering quality, fruit set

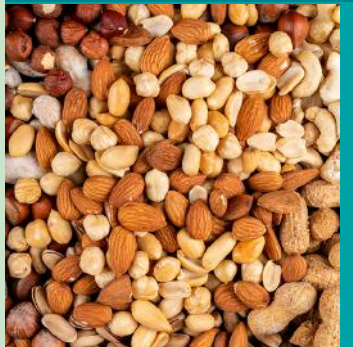
GENERAL VEGETABLES	TIME	RECOMMENDATION	AIM / PROBLEM
	Once sufficient leaf mass has developed	2 - 4 times 2 -3 L/ha	N efficiency, flowering quality, fruit set, fruit quality, calcium transport, internal quality, vitamin synthesis

LEGUMES	TIME	RECOMMENDATION	AIM / PROBLEM
	From 6-leaf stage	1 -2 times 2-3 L/ha	N efficiency, flowering quality, fertilization, stress tolerance, vitality

Recommendation for use by crops


MAIZE	TIME	RECOMMENDATION	AIM / PROBLEM
	From 4-leaf stage	1 - 2 times 2-3 L/ha	N efficiency, flowering quality, fertilization, stress tolerance, vitality

OILSEED RAPE	TIME	RECOMMENDATION	AIM / PROBLEM
	From 4-leaf stage	2 - 3 times 2 -3 L/ha	N efficiency, flowering quality, fertilization, stress tolerance, vitality

NUTS	TIME	RECOMMENDATION	AIM / PROBLEM
	From swelling buds	2 - 5 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

POME FRUIT	TIME	RECOMMENDATION	AIM / PROBLEM
	Red bud until harvest	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

Recommendation for use by crops

POTATOES	TIME	RECOMMENDATION	AIM / PROBLEM
	From beginning of row closure	2 - 4 times 2 -3 L/ha	N efficiency, fast early growth development, skin quality stress tolerance

SOFT FRUIT	TIME	RECOMMENDATION	AIM / PROBLEM
	Start of shoot growth	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

RICE	TIME	RECOMMENDATION	AIM / PROBLEM
	From 3-leaf-stage	1 - 3 times 2-3 L/ha	N efficiency, flowering quality, fertilization, stress tolerance, vitality

STONE FRUIT	TIME	RECOMMENDATION	AIM / PROBLEM
	From fruit set	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

Recommendation for use by crops

STRAWBERRIES	TIME	RECOMMENDATION	AIM / PROBLEM
	From green buds	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality

SUGARBEET	TIME	RECOMMENDATION	AIM / PROBLEM
	From 6-leaf stage	1-3 times 1-3L/ha	N efficiency, stress tolerance, vitality

SUNFLOWERS	TIME	RECOMMENDATION	AIM / PROBLEM
	From 4-leaf stage	1 - 2 times 2-3 L/ha	N efficiency, flowering quality, fertilization, stress tolerance, vitality

TOBACCO	TIME	RECOMMENDATION	AIM / PROBLEM
	From 4-leaf stage	1 -3 times 1 -3 L/ha	N efficiency, stress tolerance, vitality

Recommendation for use by crops

WINE GRAPES	TIME	RECOMMENDATION	AIM / PROBLEM
	Inflorescences visible	2 - 4 times 2 -3 L/ha	Flowering quality, calcium transport, vitamin synthesis, fruit set, fruit quality



GLUCCO
Micro Gluconate Fertilizers



ASPEAGRO GLOBAL S.L.
(ALICANTE) SPAIN

✉ export@aspeagro.com

gm@aspeagro.com

🌐 www.aspeagro.com

