

TECHNICAL DATA SHEET: MINOZIN

Description: MINOZIN is recommended to prevent and correct **zinc** deficiencies. It contains glycine (amino acid) chelated zinc ions.

TECHNICAL SPECIFICATIONS:

Physical Form: Liquid Fertilizer

Product Colour: Light Yellow

Product Odour: Odourless

Shelf Life: 4 years

Origin: TURKEY

Producer: SAMI KUCUKKOCA TARIM TICARET

COMPOSITION (W/W)

Zinc (Zn) 6.8 %

pH: 3.0 - 4.0

Density: 1.20 - 1.30 g/ml

ADVANTAGES AND PROPERTIES:

MINOZIN (Zinc Glycinate) is a compound that consists of zinc chelated to the amino acid glycine. It is suitable for foliar application. The advantage of using glycine minerals is that the glycine surrounds and protects the minerals from adverse interactions. These interactions can take place in a solution, in the soil or on the surface of the leaf. Zinc Glycinate is a specialized formulation designed to provide a readily available source of zinc, an essential micronutrient. With the unique combination of zinc and glycine, this fertilizer offers improved nutrient uptake and utilization, promoting healthier and more robust plants.

Benefits of MINOZIN

- Improves metabolism in plants.
- Support in protein metabolism
- Helps in early establishment of seedlings
- Better bud formation in fruit crops and tillering in cereals
- Increase overall health and mineral balance of plants
- Corrects plant deficiencies
- Improves plant hormone balance
- Assists in seed development
- Improves yields

DIRECTION FOR USE

Optimum rate of application will vary between fields, depending on soil pH, organic matter content and other factors. Therefore, for best results follow soil test and plant analysis recommendations. In the absence of test results use the following as a guide.

Do not mix MINOZIN with highly alkaline material such as Lime Sulphur and Bordeaux mixture or with any phosphate containing fertilisers.

Use lower rates as a maintenance spray and higher rates to correct deficiencies.

CROP	MAXIMUM RATE PER HECTARE	RATE PER 100 L WATER	REMARKS
Apples and Pears	2 L	100 ml	2 applications, 1 early in the season and again after harvest in 500 – 2 000 L water per hectare
Avocados	7 L	100 – 350 ml	Start first application on flowers in the spring and on all new growth in the summer. 2 – 3 applications are recommended. Apply in 2 000 L water per hectare.
Brassicaceae (Cabbage, Cauliflower, etc.)	2 L	100 – 400 ml	Apply at the first signs of a deficiency and repeat 3 – 4 weeks later if necessary. Apply in 500 L water per hectare.
Beans, Groundnuts, Peas, Soybeans	2 L	500 ml – 1 L	1 – 2 applications early in the growing season. Apply in 200 L water per hectare.
Citrus	3 L	50 – 150 ml	Apply as a full cover spray in spring to all new growth. 2 – 3 applications. Do not spray directly before or during harvest. Apply in 2 000 L water per hectare.
Cucurbits (Pumpkins, Cucumbers, etc.)	2 L	100 – 400 ml	Apply at the first signs of a deficiency and repeat 3 – 4 weeks later. Apply in 500 L water per hectare.
Lettuce	2 L	100 – 400 ml	1 – 2 applications early in the growing season. Apply in 500 L water per hectare
Macadamia, Pecans and other Nuts	6 L	50 – 150 ml	Do the first application in the spring and then on all new growth later in the season or when deficiencies occur. 2 – 3 applications are recommended. Apply in 4 000 L water per hectare.
Mangoes	6 L	75 – 150 ml	Apply as a full cover spray in the spring and repeat the application in the summer if required. Apply in 3 000 – 4 000 L water per hectare.
Maize and Sweet Corn	2 L	500 ml – 1 L	Do first application early in the season at the first signs of a deficiency and repeat the application if required. Apply in 200 L water per hectare.
Onions	5 L	500 ml – 1 L	Apply at the first signs of a deficiency. Repeat application 2 weeks later if required. Apply in 500 L water per hectare.
Potatoes	2 L	100 – 400 ml	Apply at the first signs of a deficiency and repeat 3 – 4 weeks later if necessary. Apply in 500 L water per hectare.

Other Crops	1 L	100 – 200 ml	Apply as a full cover spray and repeat every 14 days as required. Apply in 500 L water per hectare
Small Grain (Wheat, Barley, etc.)	2 L	500 ml – 1 L	Apply early in the season at the first signs of a deficiency and repeat the application if required. Apply in 200 L water per hectare.
Solanaceae (Tomatoes, Peppers, Chillies, etc.)	2 L	100 – 400 ml	Apply at the first signs of a deficiency and repeat 3 – 4 weeks later if necessary. Apply in 500 L water per hectare.
Stone Fruits (Peaches, Plums, Apricots, etc.)	1 L	100 – 200 ml	Apply very early in the season and then again after harvest. Apply in 500 L water per hectare.
Tea	3 L	50 – 150 ml	3 – 4 applications depending on severity of deficiency on new spring growth. Apply in 1 000 – 2 000 L water per hectare.

PACKING: 0.5 - 1 - 5 - 20 LT.

APPROPRIATE WAREHOUSE CONDITIONS: Try to keep the product between + 5, - 25 C in its original packaging far from the human, animal and food. Be aware of direct sunlight.

USAGE SECURITY REGULATIONS : This product is not toxic. After usage wash your hands and face with water and soap.