

December 2021

## Advantages of using Gatit Plus in Deciduous Orchards


In recent years most of the liquid fertilizers supplied by GAT's plants to the plantation areas contains additives that upgrade and optimize fertilization.

Which effective additives can be added to the NPK fertilizer solutions?

1. **Micro and Macro elements** – Expanding fertilizer composition with macro and micro element additives (mostly Magnesium - Mg, Iron - Fe, Zinc – Zn, and Manganese - Mn), which provide more proper and complete nutrition.
2. **Blue** – a nitrogen preservative additive that delays the nitrification process whereby ammonium ( $\text{NH}_4^+$ ) becomes a nitrate ( $\text{NO}_3^-$ ). Slowing this process enables ammonium to remain in ammonium form that is preferred by the plant. Thus, several fertilizing advantages are gained:
  - Efficient utilization of nitrogen fertilizer – the ammonium form does not leach to the depth of the ground, while the nitrate form leaches. thus, fertilizing with ammonium is maximal utilization of nitrogen fertilizer while preserving groundwater quality and the environment.
  - Improved phosphorus and micro-element absorption – absorption of ammonium by the plant contribute to the acidification of the roots zone, which engenders improved availability and absorption of phosphorus and micro-elements (iron, zinc, manganese, etc.).
3. **Bio Stimulants** – growth stimulating material to improve the plant, yield, and stress resistance (Gat Humic Acid, Gat Sea-Weed). \*Regarding the different additives, more details can be found in articles published in previous Newsletters.
4. **Gatit Plus – a winning combination of NPK + additives**

Production of **Gatit Plus** Fertilizer enables enrichment of solid fertilizer with various additives at relatively high concentrations, which had not been feasible in the past. It involves a groundbreaking innovative technology in plant nutrition.

Orchards located in hard-to-reach areas for liquid fertilizer trucks are limited in fertilization and feeding options. So far, and due to a lack of choice, in most cases the planters have not received a combined and effective fertilizer with



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additives, and growers have had to supply the additives separately, in cans or sacks.

### **Production of Gatit Plus constitutes a revolution insoluble solid fertilizer**

From now on, every grower (with GAT's agronomic support) can decide the appropriate formulation for his orchard, to provide the best, most sophisticated fertilizer even for hard-to-reach areas.

\*Minimum order for special formulation: 12tons, 2 formulas per container (24MT).

Examples of formulations already provided to our customers:

Gatit Plus 20-2-30 + TE and Humic/Fulvic acids

Gatit Plus Blue 15-0-15 + Nitrogen inhibitor and Humic Acid.

### **Other formulations have also been supplied to customers abroad.**

The Gatit Plus fertilizer dissolves fairly quickly, giving a clear solution containing all the components necessary for the healthy, proper development of the orchard/crop.

Our GAT's professional staff will be pleased to provide further information about Gatit Plus and to adjust the best formulation.

**Michal Kanot, Gat Fertilizers Agronomist**

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