THE NEW PRODUCTS OF METALLIC COMPOUNDS

METALS

PRODUCT	IRON Fe	ZINC Zn	BORON B_2O_3	ORGANIC HUMIC	GRADUAL DECOMPOSITION NITROGEN	TRACE ELEMENTS Mg, Ca, Mn, Zn, S, Cu, Fe
NITROFER	**10**				**8**	TRACE
NITROZINC		**10**			**8**	TRACE
NITROBOR			**10**		**8**	TRACE
HUMOFER	**10**			**30**	**4**	TRACE
HUMOZINC		**10**		**30**	**4**	TRACE
HUMOBOR			**10**	**30**	**4**	TRACE

THE METALS ARE DIVIDED IN TWO SUBGROUPS:

NITROMETALS HUMOMETALS

These are products of metallic compounds. Their production is based on a New Pioneer Technology and they are created especially for Agricultural usage. The metallic compounds (Iron-Fe, Zinc-Zn, Boron-?) are rapidly assimilated and absorbed by the plants, simultaneously with the Nitrogen compound that these product contain. Therefore, METALS cover all the cultivation's needs of the above compounds.

- About NITROMETALS subgroup:

  These are products of Nitrogen and various Metals and their synthesis contain the Nitrogen and the Metal element in the same compound. In this form the metals are not creating dissoluble complexes in the soil and their elements can be absorbed rapidly and easily assimilated by the plants.
  Application: inside the water-irrigation (by fertirrigation) or spread over the soil surface (for top dressing).

- About HUMOMETALS subgroup:

  These are products of Nitrogen-Metal and organic-chemical compounds. Thus, these metal products are not creating dissoluble constrained complexes in soil and they are not toxic. They are products of gradual decomposition and therefore they are able to supply directly and for a long period of time to the cultivation, the metallic compounds it needs. At the same time, the Organic Humic Material they contain releases the previously bound chemical elements and microelements of soil and helps to their absorption by the plants. In addition, it dissolves the salts of the soil, exist either because of the synthesis of the soil-minerals or by the use of chemical fertilizers. Finally, it contributes to the reconstruction of the soil microflora and microfauna.
  Application: spread over the soil surface (for top dressing).

The METALS products of GT gather together all the Advantages of the "traditional forms" of Metallic elements, without having their Disadvantages:

They cannot be rinsed easily, as the chelate form of an element can.
They cannot be bound easily, as the oxide form of an element can.
They are not creating toxicities, as the sulfur form elements do, because of the excess of the sulfuric acid they contain.
They are the cheapest financial solution for the metallic element application, in the market.