



Knowledge grows

YaraVita[®] GRAMITREL[™]

Key nutrients for foliar application to optimize yield in cereals

Good plant structure

- Optimum Cu promotes lignification, decreasing the susceptibility of lodging, particularly with high N supply
- Optimum Zn promotes auxin levels, which results in optimum canopy development

Cu Zn

Healthy roots

- Optimum Mn ensures high lignin content in the roots which increases resistance to root-infecting pathogens

Mn



Correct grain development

- The role of Cu in lignification enables pollen release increasing fertilization and reducing the incidence of empty grain sites
- Optimum Zn status during seed set can result in increased grain number and size

Cu Zn

Green leaves

- Mg is a key component of chlorophyll; optimum supply drives photosynthetic activity in the leaf
- Mn and Zn play key roles in the production of chlorophyll and photosynthesis
- N is important to produce large, leafy plants

Mg Mn Zn N

Benefits

- Meets the full micronutrient requirement of the crop through applications throughout the growing season regardless of soil nutrient status
- Removes the need to identify where and when nutritional requirements occur
- Removes the need for multi-applications of several different products
- Highly tank mixable and crop safe
- Highly formulated with the five key nutrients in one product that are required for maximizing yield potential of the cereal crop:
 - Nitrogen (N) 50 g/l
 - Magnesium (Mg) 150 g/l
 - Manganese (Mn) 150 g/l
 - Copper (Cu) 50 g/l
 - Zinc (Zn) 80 g/l
- One product, one solution



A combination of key nutrients formulated for foliar application to cereals.

Guaranteed Analysis: total

Magnesium (Mg)	9.1%	150 g/l
Manganese (Mn)	9.1%	150 g/l
Zinc (Zn)	4.9%	80 g/l
Copper (Cu)	3%	50 g/l



Product Recommendations

YaraVita Crop Specific Products are designed to optimize crop yield through the foliar application of a single, easy to use liquid product. Each crop has specific nutrient requirements and certain key nutrients are more important to the development of some crops than others.

Based on this knowledge, Yara has developed a range of YaraVita Crop Specific Products, each containing the appropriate blend and concentration to match the typical requirement of the target crop. The key nutrients included are those that can be effectively foliar applied and are known to play an important role in the plant processes that provide yield.

Cereals:

0.4 to 1.0 l/acre from the 2 leaf stage to second node detectable (Zadok's G.S. 12 to 32). Repeat applications at 10 to 14 day intervals, within this timing, if necessary. For autumn sown crops, an application prior to winter dormancy may also be beneficial. In addition, 0.4 l/acre from second node detectable to flag leaf fully emerged (Zadok's G.S. 32 to 39).
Water rate: 5 to 21 gal/acre.

Rate

- 2-4 l/ha or 0.8-1.6 l/ac
- 1 jug treats 6.25 to 12.5 acres

Timing

- YaraVita GRAMITREL can be tank mixed with many common herbicides and fungicides (see the TankmixIT app)
- Add YaraVita GRAMITREL to the water before adding fungicides and herbicides. Always follow label instructions of all products in a tank mix.
- There is NO need to add external surfactants/adjuvants as YaraVita GRAMITREL is pre-formulated with adequate amounts of these products.
- Always start with a clean tank (including the booms and nozzles) when changing products.
- If uncertain, conduct a jar test to determine tank mix compatibility.

Pack Size

- 2 x 10L per case
- 36 cases per pallet
- 1000L totes available

