A wide range of granular fertilizers manufactured physically and chemically, using high quality raw materials, to be homogeneous from chemical characteristics and physical appearance to ensure balanced distribution for plant nutrients in the field for all plants.

**Chemical characteristics**

To ensure balanced plant nutrition All formulas contain:

**Nitrogen:** Nitrogen activates vegetation, & is essential for assimilation & respiration. It is a key component of protein & chlorophyll. Lack of nitrogen is recognized by yellowish vegetation & slow growth.

**Phosphorous:** The need for phosphorus is greatest at the beginning of the growing season. A deficiency of phosphorus results in small plant size, few seeds, delayed maturation, & a reddish tinge to the plant.

**Potassium:** The need for potassium is greatest at the end of the growing period, Potassium controls plant respiration & the transportation of Photosynthesis products. It activates several enzymes involved in Potassium concentrates in the straw of cereal grains; if straw is removed along with grain, a deficiency of potash may occur. Potash deficiency is observable as slow growth, a poorly developed root system, & a grayish tinge to the plant.

**Magnesium:** Magnesium is a component of chlorophyll. Deficiency appears first as a yellowing of older, lower leaves. High contents of water soluble Magnesium, to avoid the deficiency of the nutrients appearance & ensuring balance nutrition.

**Sulfur:** Soluble Sulfur directly available to the plants, Studies have shown that increases in yield can be achieved with additional sulfur; plants require as much of it as of phosphorus. sulfur is vital for plant growth, and for protein and seed development. Contains micronutrients in balanced ration to full fill plant needs.

**Physical characteristics:**

Granules size more than 90% is between 2-4 mm, with capability to control the sizes of the granules, 1-2mm granules for green area and lawns.

Homogeneous granular particle size, which make it easier for uniform spreading

Each granular contains all nutrients in one particle, which grantee a balanced nutrient to the plants.

Free flowing – using by hands or by mechanical spreader.

### Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Analysis (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(N) P_2O_5 K_2O MgO SO_3</td>
<td>Color</td>
</tr>
<tr>
<td>18-18-5+1.5MgO</td>
<td>18 18 5 1.5 4 Brown Red</td>
</tr>
</tbody>
</table>

**Application Rate:**

**GRANFIELD® FORT** can be used as basal dressing, Top dressing, via one application or multi applications in the season for slow growth crops.

- **Vegetables**: 600-750 kg / hectare
- **Green houses**: 600-1000 kg / hectare
- **Mature Fruit trees**: 1-3 kg / tree
- **Young trees**: 50-250 grams / tree
- **Potato**: 500-750 kg / hectare
- **Landscape**: 20 – 30 g / m²
- **Golf Courses**: 20 – 30 g / m²

Rate of applications varies depend on soil nutrients content and plants nutrients requirements.