



# GRANFIELD® FORT

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 contains

**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.

Ability to be mixed with soil amendments and Humic acid, upon customer request.

### 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

Product	Analysis (%)					Part per million (ppm)				
	(N)	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	MgO	SO <sub>3</sub>	Fe	Cu	Zn	Mn	Color
18-18-5+1.5MgO	18	18	5	1..5	4	400	100	200	200	Brown Red
12-12-17+2MgO	12	12	17	2	6	400	100	200	200	Blue
25-5-10+2MgO	25	5	10	2	5	400	100	200	200	Green
15-15-15	15	15	15	-	8	400	100	200	200	Brown Red
20-10-10	20	10	10	-	5	400	100	200	200	Brown Red

## 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 / m <sup>2</sup>
Golf Courses	20 – 30 g / m <sup>2</sup>

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



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