

# impact 4-0-3

## TECHNICAL BULLETIN

### FOLIAR NUTRITION

IMPACT is a professional use liquid fertilizer that contains cold water seaweed extract, organic acids, macro and micronutrients offering turf managers advanced foliar nutrition.

#### Features

- Provides superior resistance to drought and heat stress
- Stimulates photosynthetic rates and root growth for superior turf vigor and quality
- Supplies balanced nutrients
- For use on greens and tees during summer months

#### Modes of action

- IMPACT is designed to maximize turf vigor and quality through the upregulation of cell metabolism and the increase of resistance to stresses and diseases.
- IMPACT maximizes cell division and optimal root development by providing natural growth hormones in balanced proportion. IMPACT increases turf's capacity to take up available nutrients and help to maintain a good nutritional and hormonal balance.
- IMPACT contains unique osmoprotectant compounds that help to protect cell metabolism (enzymatic activity, photosynthetic capacity) against osmotic stresses associated with drought, salinity and extreme temperatures. IMPACT improves resistance to summer stress by maintaining cell membrane integrity and metabolic processes stability.
- IMPACT improves the photosynthetic capacity of turf through the stimulation of chlorophyll synthesis and chloroplast development. A more efficient photosynthesis process will increase the production and accumulation of sugar by the plants. It means a turf in better health, greener and more resistant to environmental stresses and diseases.

#### Directions for use

**Turf (green and tees) :** 80-120 ml / 100 m<sup>2</sup>

**Water volume :** 4 to 8 L / 100 m<sup>2</sup>

**Frequency :** Every 7 to 14 days from spring to fall

IMPACT is compatible with most professional turf products. Avoid mixing with solutions with high calcium and magnesium concentrations. Always conduct a compatibility jar test and check the dilution rates before mixing IMPACT with new products. Apply in the early morning or late afternoon for best results. Allow foliar product to dry on plant prior to irrigation. This product should be used inside a complete fertilization program. Consult an agricultural representative for specific use.

#### Guaranteed minimum analysis

Total nitrogen (N) : 4 %

Soluble potash (K<sub>2</sub>O) : 3 %

Aquatic plant extract (*Ascophyllum nodosum*) : 40 %

Humic acid : 3.5 %

Fulvic acid : 0.9 %

Magnesium (Mg) : 0.1 %

Iron (actual) (Fe) : 2 %

Manganese (actual) (Mn) : 0.8 %

Active ingredients derived from 2024090F and 2023002M Fertilizers act, humic acid, fulvic acid, potassium hydroxide and urea.

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