



RFU微量要素肥料  
技術資料



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# 1. RFU微量要素肥料の特徴

RFU微量要素肥料は、廃糖蜜に微量要素を配合して、

# 1. RFU微量要素肥料の特徴

RFU微量要素肥料は、

## CERTIFICATE OF ANALYSIS

Product name: RFU FERTILIZER

ITEM	STANDARD	CONTENT
N, %	8min	8.7
K, %	15min	15.0
Organic matter, %	11min	11.4
B, ppm	5000min	5000
Mg, ppm	9000min	9560
Mo, ppm	150min	150
Zn, ppm	100min	110
Mn, ppm	500min	535
Fe, ppm	9000min	9560
Conclusion		Qualified

# 1 . ROLES OF POTASSIUM IN PLANTS

- Potassium has many different roles in plants:
- In Photosynthesis, potassium regulates the opening and closing of stomata, and therefore regulates CO<sub>2</sub> uptake.
- Potassium triggers activation of enzymes and is essential for production of Adenosine Triphosphate (ATP). ATP is an important energy source for many chemical processes taking place in plant tissues.
- Potassium plays a major role in the regulation of water in plants (osmo-regulation). Both uptake of water through plant roots and its loss through the stomata are affected by potassium.
- Known to improve drought resistance.
- Protein and starch synthesis in plants require potassium as well. Potassium is essential at almost every step of the protein synthesis. In starch synthesis, the enzyme responsible for the process is activated by potassium.
- Activation of enzymes – potassium has an important role in the activation of many growth related enzymes in plants.