



# Ultrafin Manure

## 4.5-3-3



### General information

- Product description: Dried and dehydrated
- Granulometry size:  $\leq 2$  mm
- Contains no sewage sludge or product filling
- C/N: 6
- pH:  $\pm 7.6$
- Average density:  $687 \text{ kg/m}^3$



### What is Ultrafin Manure?

Our Ultrafin Manure is produced through an innovative circular economy process. It is made from the fine particles recovered during the granulation of hen manure enriched with 100% natural fertilizing ingredients.

Offer your crops an eco-responsible solution that fertilizes the soil while optimizing the use of natural residual fertilizing materials approved for organic farming.

### How it works

Thanks to its ultrafine granulometry, this fertilizer quickly absorbs moisture and easily integrates into the soil, reducing the risk of crust formation when applied in containers or in systems using micro-irrigation devices. Its rapid dissolution in the soil solution makes it ideal for incorporation into substrates and for immediate-effect supplemental fertilization, effectively meeting the nutritional needs of short-cycle plants.

Despite its fast action, it provides prolonged nutrient release for 4 to 8 weeks, depending on growth conditions, substrate components, and plant requirements.

### GUARANTEED MINIMUM ANALYSIS\*

<b>Total nitrogen (N)</b>	4.5%
<b>Available phosphoric acid (<math>P_2O_5</math>)</b>	3%
<b>Total phosphoric acid 4 %</b>	
<b>Soluble potash (<math>K_2O</math>)</b>	3%
<b>Calcium (Ca)</b>	7.5%
<b>Magnesium (Mg)</b>	0.5%
<b>Organic matter</b>	55%
<b>Maximum moisture</b>	9%

### Uses

#### Container Cultivation

Incorporation into production substrate based on peat, coco, or wood fiber: 5-15 g/L or 5-15 kg/m<sup>3</sup>. Preliminary Tests: Before incorporating into seedling soil, transplant soil, or nursery production substrates, it is recommended to perform small-scale tests to determine the appropriate dosage and application frequency.

#### Substrate Preparation Tips

To achieve optimal results:

- Prepare the mixture ideally 48 to 72 hours in advance.
- Mix the dry soil ingredients with the fertilizer, then moisten and remix.
- Maintain the substrate at a temperature of at least 20°C throughout the conditioning period.
- Stir the mixture once a day to ensure good aeration and uniform moisture levels.

#### Soil Cultivation in Greenhouses or Tunnels

Seedbed or Planting Bed Preparation:

Spread evenly and incorporate into the top 5 cm of soil.

Supplemental Fertilization: Apply the fertilizer to the soil surface, avoiding contact with leaves and stems, then water immediately after application.

#### \*Guaranteed Minimum Analysis Variability:

This fertilizer is a natural product derived from a circular economy process, which may result in slight variations in the guaranteed minimum analysis from one batch to another. These variations remain within controlled margins and do not affect the product's quality or effectiveness. Batches are regularly monitored to ensure consistency in composition and efficiency, guaranteeing reliable nutrient supply for your crops.



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### Application Rates by Crop

Visit the Producer Zone on our website for more information on the needs of different crops.

The rates, methods, and timing of Ultrafin Manure applications should be adjusted according to several factors: soil type (pH, drainage, nutrient content), crop requirements, previous crop inputs (compost, green manure, manure) and provincial regulations.

It is recommended to perform a soil analysis every 3 to 5 years to maintain nutrient balance and avoid saturation. Consult an agronomist for tailored recommendations and to optimally integrate Ultrafin manure while preserving soil health.

### Pre-Harvest Interval

Our manure can be applied without a pre-harvest interval as it has been mechanically heated and treated to meet Canadian National Standards and Canadian Food Inspection Agency (CFIA) regulations.

### Precautions

To ensure safe and optimal use, wear a mask and safety goggles when handling the fertilizer and mixing the ingredients into the production substrate to minimize the inhalation of fine particles.

It is recommended to use this product in a controlled environment (greenhouse, growth chamber, tunnel), as its fine texture makes it easily dispersible by the wind.

### Storage

Protect from rain by storing in a garage, warehouse, shelter. It is frost-resistant.

### Available formats and packaging

25 kg and 500 kg

### Amounts of nutrients added per area

Application rate Ultrafine Manure (kg/ha)	N (kg/ha)	P <sub>2</sub> O <sub>5</sub> (kg/ha)	K <sub>2</sub> O (kg/ha)
111	5	3.3	3.3
222	10	6.7	7
1,111	50	33	33
2,222	100	67	67

1 hectare = 10,000 m<sup>2</sup> or 2.471 acres

### Did You Know?

Integrating soil and/or foliar applications of Acadie Seaweed and Hydrolyzed Fish into your agricultural practices offers numerous benefits. These products provide essential minerals, promote optimal root development, strengthen natural plant defense mechanisms, and help improve crop quality, taste, and value. Contact your representative for more information!



For more information and ordering:



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