



# Introducing **Infusion** Soil Enhancer

Imagine having a secret recipe that makes your plants happy and your soil strong. That's exactly what Infusion does!

Infusion is a carefully engineered agronomic blend of nutrients that feed your plants with everything they need but also feeds your soil with humic organic carbon for improved permeation and nutrient uptake.

A close-up photograph of a person's hand cupped together, holding a large amount of dark, rich, and crumbly soil. The soil is piled high in the palm and fingers, with some soil falling away from the sides. The background is a blurred field of similar dark soil.

**Nutrient-Rich**

**Soil Enhancement**



# The Highest **Organic Carbon** Content

Eco-Friendly

Innovation

Infusion is produced from organic waste that has been converted using our range of Harp Bio-digesters, making Infusion an organic, natural, recycled solution that not only benefits you but also contributes positively to the environment.

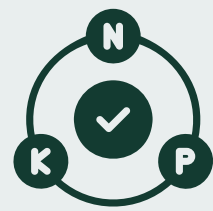
Harp's Bio-Technology both sequester more carbon and restrain more nutrients. By retaining higher NPK values, Infusion displaces a higher percentage of any landscaping fertilizer needs.



Environmentally  
Friendly



Highest Organic  
Carbon Content



Well-Balanced  
NPK Nutrition



Slow Release of  
Nutrients



Safe for Kids  
and Pets







# Benefits & Features

Infusion's role in enhancing soil structure offers a range of benefits, including improved water retention, reduced erosion risks, healthier root development, enhanced nutrient availability, and long-term soil health.



## Superior Formulation

Infusion is formulated with a unique blend of organic compounds that release essential nutrients gradually, ensuring plants receive a steady supply for optimal growth.



## Easy Application

Infusion is designed for effortless application, ensuring a hassle-free gardening experience. No complicated steps or extensive maintenance is required



## Versatile Use

Infusion can be used in a multitude of settings. From landscaping to farming and beyond, Infusion adaptability and benefits extend across various domains.

Essential Nutrients

Slow-Release



# Teagasc 'Pot Tests'

## EPA Approved

Agriculture and Food Development Authority, Semi State authority in the Republic of Ireland

- ✓ 'Infused' soil – 400% increase in growth
- ✓ Lower PH Levels of 5.5, saw a slower initial growth but quickly achieved expected growth rate, a longer RT is advice for product to reach maturity.
- ✓ A higher N, P and K uptake was consistently observed across all tests for Harp's Infusion, an indicator of more rapidly available Nitrogen's.
- ✓ Slightly higher EC values did not inhibit the growth rate, due to the percentage volumes applied. Regular compost is applied at a 25–30% volume rate, typically 30% for optimum OM remediation [Ref].

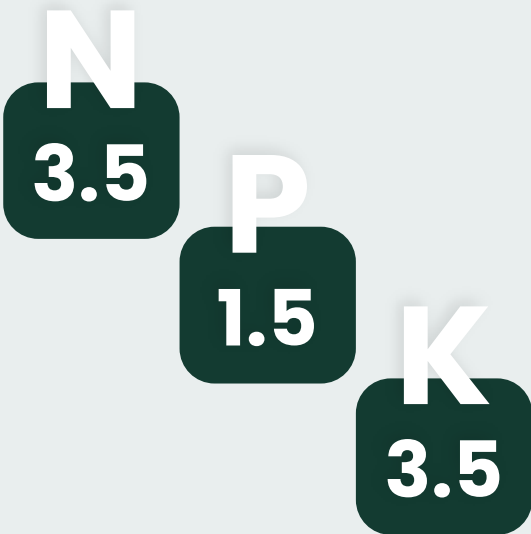




# Macro & Micro

## Nutrient Content

### Analysis



Total Nitrogen (N)	3.5%
Total Phosphorus (P)	1.5%
Total Potassium (K)	3.5%
Calcium (Ca)	1.25%
Magnesium (Mg)	0.15%
Sulfur (S)	0.25%

Material	Moisture	Organic Matter	Organic Carbon	pH
Infusion	13.8%	89.5%	52.0%	5.5
Greenwaste	56.2%	45.5%	26.5%	8.7
BioWaste	8.9%	23.0%	13.4%	7.8

# Registered As An **Official Biofertilizer** In The State Of Ohio

## BIO-PRODUCTS & FERTILIZER Ohio Commercial Fertilizer License

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### OHIO DEPARTMENT OF AGRICULTURE

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8995 E. Main St. Reynoldsburg, OH 43068-3399  
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### COMMERCIAL FERTILIZER LICENSE

Control # **116791**

AGR 2891(11/04)

License Number: 111587

License Expires: 11/30/2023

Submitted By:

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# From Food Waste To Biofertiliser: Behind **Infusion Process**



Project manager Joe Cowley partners with Meath County Council to demonstrate how a Harp CX5 Biodigester can transform food waste into a high-value Biofertiliser.

# How Infusion Ensures **Quality and Zero Waste** Through Its Production Process

## Quality Assurance & Zero Waste Approach

- **Produced End-Material by the Biodigester:** The quality assurance process begins with the end-material produced by the Harp Biodigesters.
- **Precise Sieving:** The end-material undergoes precise sieving, eliminating any impurities, large particles, or debris that could potentially impact the product's quality.
- **Manual Inspection:** A manual inspection is then conducted to remove any remaining undesirable elements.
- **Reprocessing Hard Material:** Instead of discarding the hard material separated during sieving and manual collection, it is directed to a hammer mill. Here, it undergoes reprocessing to break down into finer particles.
- **Blend with Sieved Content:** After processing in the hammer mill, the resulting material is combined with the sieved content from earlier stages, establishing a harmonious and consistent mixture.

By minimizing waste and repurposing materials, this optimized process contributes to the creation of the high-quality and effective Infusion product.





**User-Friendly**

**Recyclable**

# Infusion's **Brand And Packaging Strategy**

Infusion Soil Enhancer is available in two convenient sizes: 3 kg buckets and 250g pouch bags. This variety allows customers to choose the right amount for their specific gardening needs, whether it's a small potted plant or a larger landscaping project.



## **Bucket Reusability:**

The 3 kg buckets are designed with sustainability in mind. After using the product, customers can easily reuse or repurpose these sturdy buckets for a wide range of purposes, reducing waste.



## **Recyclable Pouch Bags:**

The 250g pouch bags are made from recyclable materials, reflecting Infusion's commitment to environmental responsibility. These pouch bags also feature a clear window, allowing customers to easily see the product's content, enhancing the shopping experience.

It includes clear instructions for application, ensuring that customers can easily incorporate Infusion into their gardening routines.



# Infusion's **Distribution & POS** Strategy

**Local Garden Centers:** Infusion Soil Enhancer will be readily available at local garden centers. These physical locations are not only convenient for customers but also offer expert advice and recommendations on product use. To attract attention, Infusion will have a free-standing display unit at these centers, ensuring visibility and accessibility.

**E-commerce Website:** For nationwide availability and accessibility, Infusion will also be sold through its dedicated e-commerce website. This online platform provides customers with the convenience of purchasing Infusion from the comfort of their homes and having it delivered to their doorstep. It also serves as an information hub, offering product details and usage guidelines.

Infusion's online presence will be complemented by a robust customer support system, including live chat, FAQs, and customer service contact options. This ensures that customers have access to information and assistance whenever needed.





# Infusion **Growth** Comparison

## HEMP PLANTATION

TREATED WITH MINERALS



INFUSION



PLANTED IN SOIL



## ORGANIC TEA PLANTATION

INFUSION



PLANTED IN SOIL



PLANTED  
IN SOIL



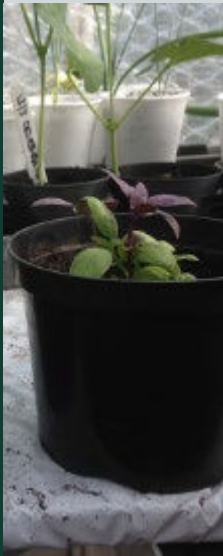
INFUSION



INFUSION



PLANTED  
IN SOIL





# Get To Know About **Our Company**



Waterford Harvest  
Festival 2023



Infusion



Bloom 2023

 **harp**  
renewables



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