

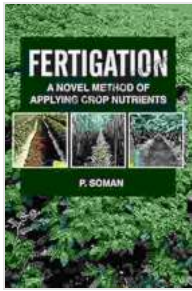
Fertigation: A Novel Method Of Applying Crop Nutrients

Fertigation is a method of applying crop nutrients through irrigation water. It is a highly efficient and effective way to deliver nutrients to plants, as it allows for precise control of the amount and timing of nutrient application. Fertigation can be used to apply a wide range of nutrients, including nitrogen, phosphorus, potassium, and micronutrients.

There are many benefits to using fertigation as a method of applying crop nutrients. These benefits include:

- **Increased nutrient efficiency:** Fertigation delivers nutrients directly to the root zone of plants, where they can be easily absorbed. This results in increased nutrient efficiency and reduced nutrient losses.
- **Improved crop quality and yield:** Fertigation can help to improve crop quality and yield by providing plants with the nutrients they need to grow and develop properly.
- **Reduced environmental impact:** Fertigation can help to reduce the environmental impact of agriculture by reducing nutrient runoff and leaching.
- **Flexibility:** Fertigation can be used to apply nutrients at any time during the growing season, which gives farmers the flexibility to adjust their nutrient management program as needed.

There are two main methods of fertigation:



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by P. Soman

★★★★☆ 4 out of 5

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- **Through-the-root fertigation:** This method involves injecting nutrients into the irrigation water at the root zone of plants.
- **Foliar fertigation:** This method involves applying nutrients to the leaves of plants.

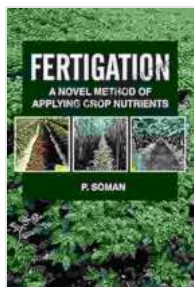
Through-the-root fertigation is the most common method of fertigation. It is more efficient than foliar fertigation, as it delivers nutrients directly to the root zone of plants. Foliar fertigation can be used to supplement through-the-root fertigation or to apply nutrients that are not easily absorbed through the roots.

Fertigation can be used in a wide range of agricultural applications, including:

- **Field crops:** Fertigation can be used to apply nutrients to field crops such as corn, soybeans, and wheat.
- **Vegetables:** Fertigation can be used to apply nutrients to vegetables such as tomatoes, peppers, and cucumbers.

- **Fruit trees:** Fertigation can be used to apply nutrients to fruit trees such as apples, oranges, and grapes.
- **Turfgrass:** Fertigation can be used to apply nutrients to turfgrass such as lawns and sports fields.

Fertigation is a highly efficient and effective method of applying crop nutrients. It offers a number of benefits over traditional methods of nutrient application, including increased nutrient efficiency, improved crop quality and yield, reduced environmental impact, and flexibility. Fertigation can be used in a wide range of agricultural applications, making it a valuable tool for farmers and growers.



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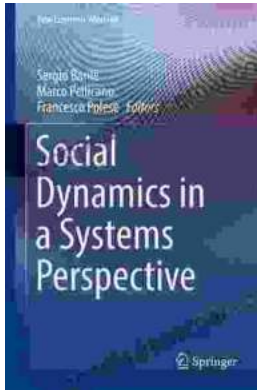
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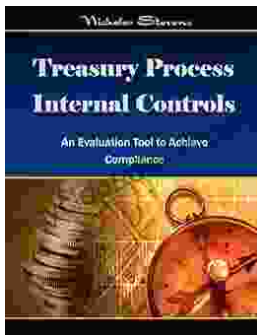
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