Nitraten Test

Wisconsin Plant Soil

Where can I get more information?

Economic Benefits

My should I test soil for nitrate?

Is available to crops for the subsequent growing season.

Nitrates soil test in the crop year prior to the harvest as a means of reducing the potential for soil nitrate loss. The samples should be analyzed by a laboratory certified for nitrate analysis.

Why is Wisconsin's Plant Soil Profile Test important?

If soil nitrate content is high, then the need for nitrogen fertilizer may be reduced. If the nitrate content is low, then the need for nitrogen fertilizer may be increased. The Plant Soil Profile Test is a tool for measuring nitrate "carrying capacity" of the soil.
Nutrient requirements can be deduced from your firm’s experience and recommendations, provided that you have a comprehensive understanding of your field and the growing season. The recommended amount of fertilizer can be determined based on soil tests and crop requirements. This information is based on the specific needs of your crops and can be adjusted according to field conditions.

**Field management and crop history**

Is any background information required?

Yes, this information is crucial to ensure that the fertilizer applied to your field is appropriate for the specific needs of your crops and the soil conditions.

**Artificial fertilizer samples**

Artificial fertilizer samples should be collected before applying any fertilizer. This will ensure that the fertilizer is effective and that the crops are growing well.

**How can I collect soil samples?**

Soil samples can be collected from the surface layer of soil at a depth of 0-10 cm. The samples should be collected from different areas of the field to ensure that the results are representative of the entire field.

**Relative effects of soil and precipitation on N fertilizer**

The relative effects of soil and precipitation on N fertilizer can be determined by testing the soil samples and comparing the results. This will help you determine whether the fertilizer is being absorbed by the crops or being washed away by precipitation.

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