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Silage Leachate Collection and Treatment

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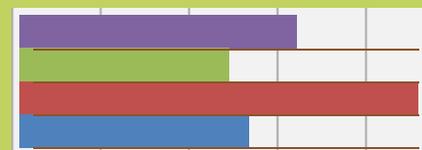
Gain an understanding of silage leachate collection and treatment systems as well as alternative options for dealing with silage leachate by viewing this webinar.

Silage is more than a nutrient-rich livestock feed. Improperly handled, it may also produce a pollutant. The silage making and storing process can result in liquid effluents, or leachate, gases, malodors, undesirable microorganisms, and waste or spoiled silage. Silage leachate itself is the organic juice or sap that is leached or pressed from green chopped silage. The major environmental concern associated with silage leachate is the oxygen depletion that can occur when this leachate enters natural streams. The five-day biological oxygen demand (BOD5) for raw domestic sewage typically ranges between 300 to 400 milligrams per liter (mg/l), but the BOD5 of silage leachate ranges from 12,000 to 90,000 mg/l. Because silage leachate is usually produced in late summer and early fall there is the potential that this high BOD5 liquid can reach streams that are already low in total oxygen because of seasonally high temperatures and seasonally low flow. This webinar provides an overview of silage leachate collection and treatment systems as well as alternative options for dealing with silage leachate.

This webinar is sponsored by the USDA Natural Resources Conservation Service.

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When:

Aug 29, 2012 2:00 pm US/Eastern

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Pre-registration not required.

Presenter(s):

■ Bill Reck, P.E., Environmental

What is Silage Leachate?

- Organic juice
- Contaminated runoff from spilled or stored silage.



Related Files

- [Silage Leachate Collection and Treatment presentation - Reck.pptx](#) (8150Kb)
- [Silage Leachate Collection and Treatment presentation - Vanderstappen.pptx](#) (1379Kb)
- [Environmental Quality Technical Note No.5.pdf](#) (136Kb)

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Credits:

- American Registry of Professional
Animal Scientists - 1 hour ARPAS
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- Conservation Planner - 1 hour
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