



**Resource
Management
Inc.**

Biosolids Make a Difference

- ✓ Locally produced biosolids provide cost-effective alternative to expensive fertilizers
- ✓ Can create topsoil and restore land where there is no other source of loam
- ✓ Provides value to farmers and landowners
- ✓ Proven long-term success using recyclable organic materials



Why Use Biosolids?

Biosolids are a nutrient-rich fertilizer high in organic matter and micronutrients essential for hardy plant growth.



Why Use Biosolids?

Reduce dependence on
chemical fertilizers



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Why Use Biosolids?

Avoid disposal of
recyclable products &
consumption of limited
landfill space



Why Use Biosolids?

Organic matter helps soil resist drought conditions



Other Uses? Reclamation



On Rt 4 in Killington, VT - Tropical Storm Irene turned a fertile pasture into a sandy wasteland..

RMI blended a topsoil using biosolids which provided slow-release nutrients for long-term success.



Other Uses? Recreation





“Let us not forget that the cultivation of the earth is the most important labor of man. When tillage begins, other arts will follow. The farmers therefore are the founders of civilization.”

Daniel Webster

Challenges for VT Agriculture

33 Year Change in VT Farm Acreage*

	1974	2007	%+/-
Total Number of Farms	6030	6984	+15.8%
Acres in Farm Land	1,667,561	1,233,313	-26%

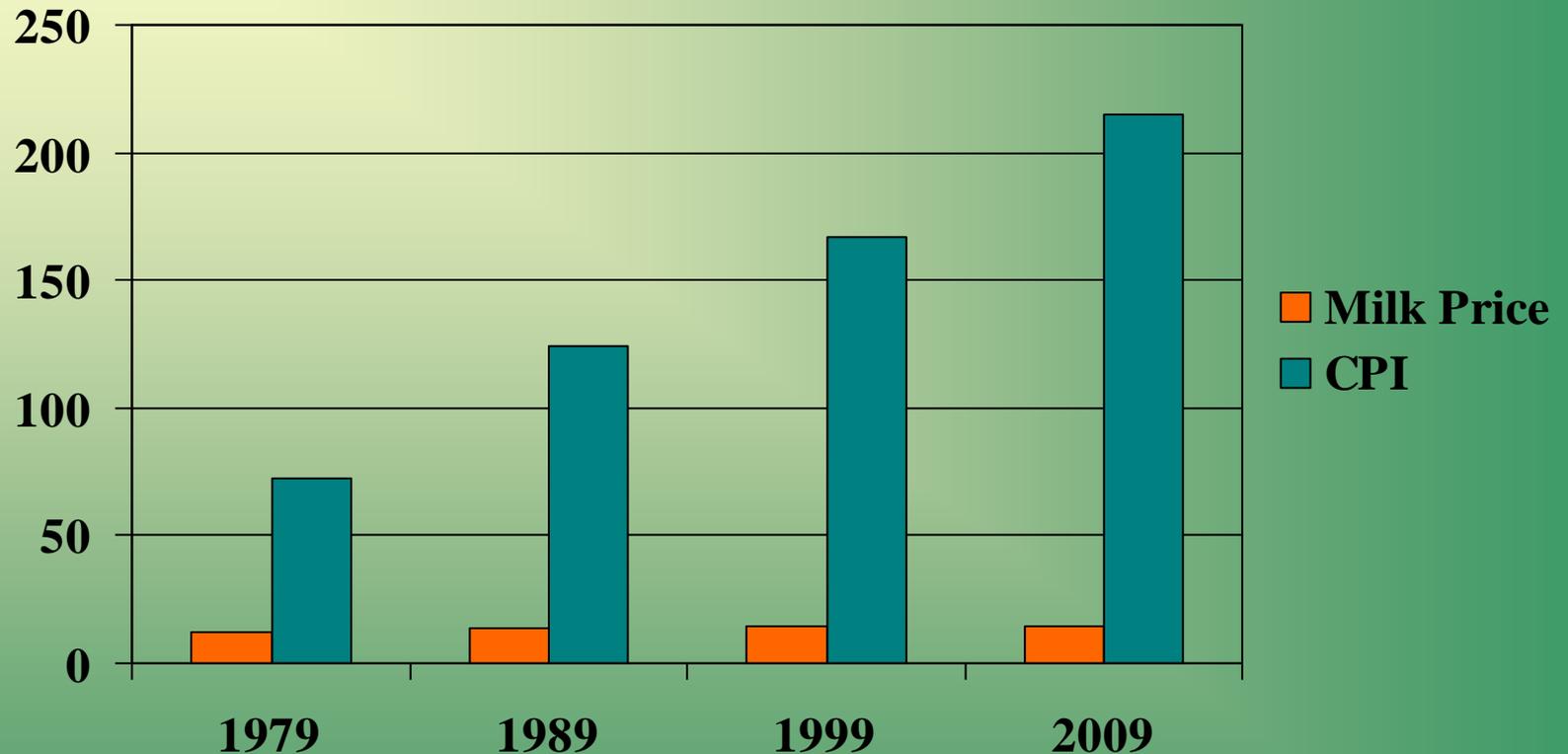
20 Year Change in Price of Nitrogen per Pound

	1990	2010	%+/-
Price per Pound	\$ 0.27	\$ 1.67	+ 619%

*USDA Census of Agriculture

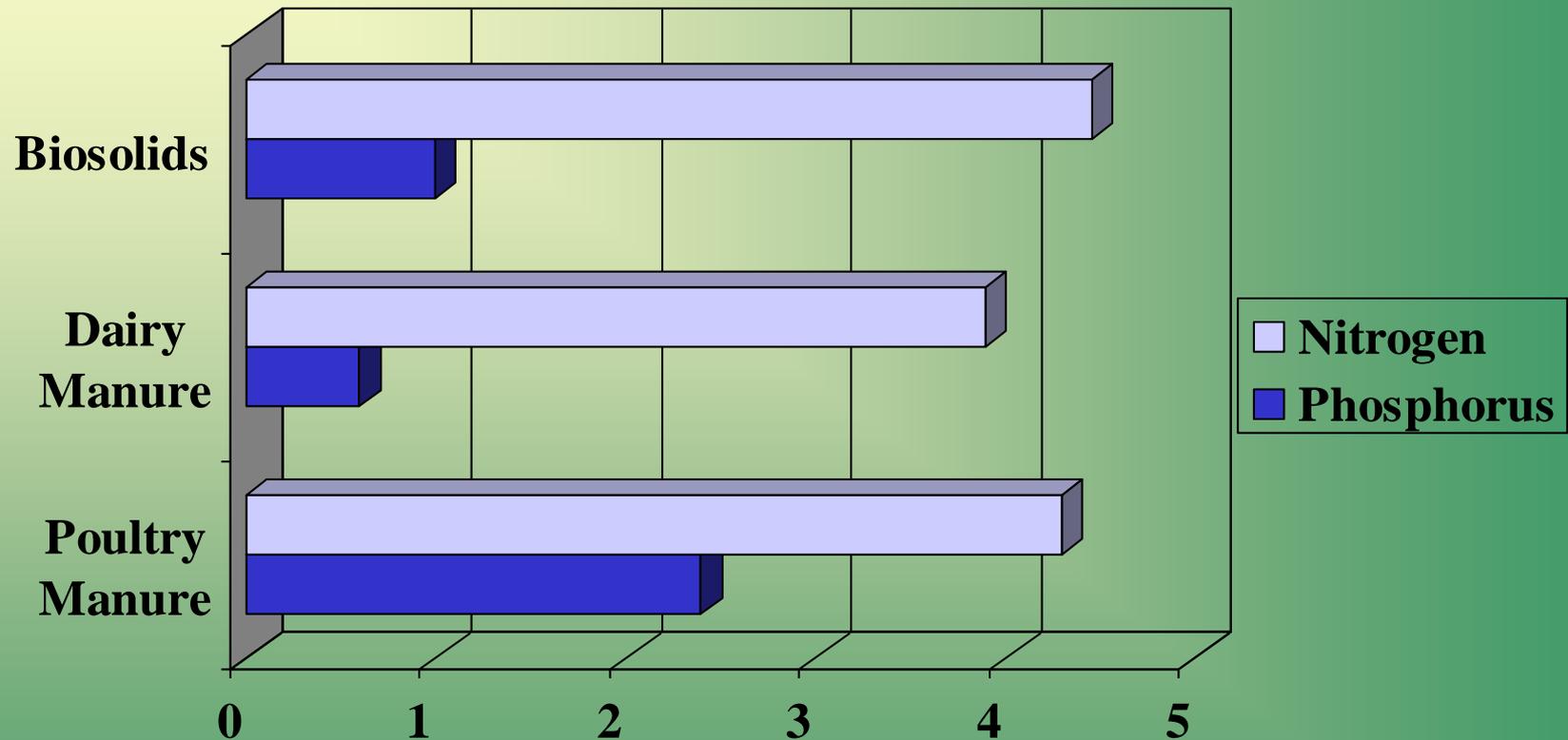
Increased Costs vs. Reduced Revenues

Consumer Price Index vs. Milk Prices



Consumer Price Index (CPI) is the average change over time paid for consumer products.

Dairy Manure and Biosolids as Fertilizers Can Be Used Interchangeably



Biosolids values from The Use of Biosolids in Maine: A Review (report by the Mitchell Center)

Manure Values calculated using median values from the 2005 University of Maine Analytical Lab manure analysis summary report

Why is it regulated?

- ✓ Not all sludges are created equal
- ✓ Only the highest quality wastewater sludges are called Biosolids and approved for use as fertilizer
- ✓ DEC regulates Biosolids in Vermont
- ✓ Farmers use a nutrient management plan with Biosolids, just like they do with manure or any other fertilizer

RMI's Management Practices

- ✓ RMI only works with materials that meet strict state and federal standards for recycling
- ✓ RMI thoroughly evaluates soil needs, site limitations, and crop demands for every site
- ✓ Best management practices are employed on site to ensure the proper utilization of residuals
- ✓ Responsible land stewardship
- ✓ Working with partners, such as farmers, neighbors & municipalities, who share this commitment.



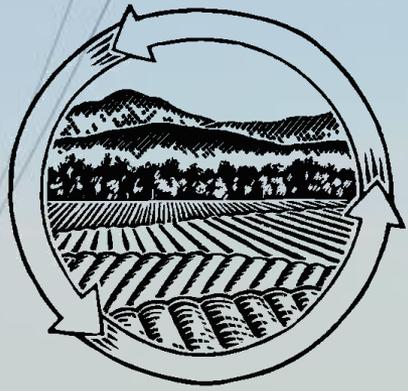
On October 22, 2009
Resource Management, Inc.
received certification for its
Environmental Management
System (EMS) program.



What is an EMS?

An EMS is a continual management cycle of planning, implementing, reviewing, maintaining & improving the processes & actions that an organization undertakes to meet its business and environmental goals.

**RMI is the first organization in NH to be Certified,
and 26th in the nation!!**



Resource Management Inc.

Down to Earth Recycling Solutions