



Grants and Education to Advance Innovations in Sustainable Agriculture

Oregano oil for internal parasite control in sheep, goats, and beef cattle

[ONE08-088](#)

Project Type:

On Farm Research/Partnership Project

Projected End Date: 2009

Funds Awarded: \$9,914

Region: Northeast

State: Maine

Coordinators:

[Diane Schivera](#)

Organic Livestock Specialist

[Email](#)

(207) 568-4142(Office)

Maine Organic Farmers and Gardeners Association

PO Box 170

Unity, ME 04988

[Website](#)

Participants:

[Perry Ells](#)

Farmer participant

Ells Farm

[Nan Kennedy](#)

Farmer participant

Meadowcroft Farm

[Yvonne Taylor](#)

Farmer participant

Black Locust Farm

[Charles Vincent](#)

Farmer participant

Sunnyside Farms

Final Report

Summary

Regano is an oregano oil-based product that has been tested in Italy on adult meat goats and beef cows as a coccidiostat. It has been found to be effective in these studies. The aromatic oregano oil works by the same mechanism or action as ionophores, like monensin and salinomycin Na, which are widely used as coccidiostats. Regano alters the bacterial cell membrane by changing its permeability to cations, like H⁺ and K⁺.

This project replicated the testing for coccidia done on meat goats, and also on cashmere goats and sheep. The