

What is Soil Steaming?

Soil steaming uses high-temperature steam to naturally treat soil—eliminating weed seeds, pests, and pathogens without chemicals. It's an eco-friendly, efficient alternative to fumigation or plastic solarization.

Key Benefits

1) Weed & Pathogen Control

- Kills weed seeds, nematodes, fungi, and soil-borne diseases.
- Reduces herbicide and pesticide use.
- Creates a clean growing bed for transplants or direct seeding.

2) Improved Crop Health

- Promotes stronger, more uniform germination.
- Reduces disease pressure in sensitive crops like carrots, lettuce, and spinach.
- Supports higher yields and better root quality.

3) Sustainable & Chemical-Free

- No chemical residues—safe for organic production.
- Prevents buildup of resistant weed or pest species.
- Helps farms meet organic certification standards.

4) Efficient & Scalable

- Works on high tunnels, raised beds, and open fields.
- Portable systems allow multiple farms to share equipment.
- Steamed beds can be planted the same or next day.

Real Results: Farmers report fewer weeds, healthier seedlings, and faster turnover between plantings—saving both labor and inputs.

Interested in trying soil steaming?
Contact: Detroit Produce Club

beaverlandfarms@gmail.com
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This material is based upon work that is supported by the National Institute of Food and Agriculture, U.S. Department of Agriculture, under agreement number 2024-38640-42989 through the North Central Region SARE program under project number FNC25-1479. USDA is an

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