Ashraf Tubeileh, California Polytechnic State University in San Luis Obispo, California
Effect of Biosolarization and Cover Crops on Weeds and Soil-borne Pathogens
As the negative health and environmental effects of chemical soil fumigation become more apparent, there is a critical need for safe, alternative methods of soil fumigation to control weeds.

Impact: Proven organic method to control annual and perennial weeds, particularly in no-till systems.

Edmund Frost, Common Wealth Seed Growers
On-farm Assessment of Melon and Cucumber Seedstocks for Downy Mildew and Bacterial Wilt
Farmers throughout the Eastern U.S. cite Bacterial Wilt and Downy Mildew as key limiting disease issues for melon and cucumber production.

Impact: New resistant varieties that have the potential to make management easier, decrease losses, and extend the harvest period.