



ORGANIC FARMING RESEARCH FOUNDATION

Fostering the improvement and widespread adoption of organic farming.

OFRF Grant Awards Summary 2018

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.