

Text S4. Educator survey questions. This supplemental text contains the survey questions distributed to course educators used to gauge the challenges and opportunities associated with engaging in farm-based authentic research modules (FARMS) in Environmental Studies 25, Ecological Agriculture, at Dartmouth College.

1. What best describes your role at Dartmouth College?
 - a. Farm or Program Manager
 - b. Learning Specialist
 - c. Lecturer, Visiting Professor, or Professor
 - d. Teaching Assistant
 - e. Intern
2. What does experiential learning mean to you?
3. Have you observed ENVS 25 labs in the past? If you have not observed ENVS 25 labs in the past, compare and contrast the farm lab(s) this summer compared to other labs you have taught or observed. If you have observed or participated in ENVS 25 in the past, compare and contrast the way ENVS 25 labs and ENVS as a whole was taught this year compared to previous years.
4. The farms at the Dartmouth Organic Farm were historically carried out on a corn experiment with known outcomes that was not part of the production system at the farm. Based on feedback from previous years, our experiments were integrated within the production system so that the results could inform agroecological management at the farm. This new approach comes with its own opportunities and challenges. Do you think that we should continue the model from this year by designing and implementing new experiments every summer (or every few years) that are part of the existing production system at the DOF to inform sustainability solutions, or return to the previous experiment model? Please explain your response.
5. What are your suggestions for how ecological agriculture content could be better incorporated into lab investigations at the Dartmouth Organic Farm.
6. What were some of the benefits and challenges you observed while students were carrying out farm labs or analyzing and presenting data?
7. What were some of the challenges that you personally experienced as an educator in helping conduct farm labs or other components of this primary research?
8. Do you have any other observations, comments or suggestions that you would like to share regarding ENVS 25 overall or labs at the Dartmouth Organic Farm during summer 2016?