

Pathway Summary Descriptions & Details for SAE Journals
Pathway in: Plant Science Systems



Code	Summary Activity Description	AFNR Description	Additional AFNR Details
PS.01	Identifying and managing plants	Explain interrelationships between natural resources and humans necessary to conduct management activities in natural environments.	Classify agricultural plants according to taxonomy systems.
			Apply knowledge of plant anatomy and the functions of plant structures to activities associated with plant systems.
			Apply knowledge of plant physiology and energy conversion to plant systems.
PS.02	Implementing a soil nutrient plan for plants	Apply scientific principles to natural resource management activities.	Determine the influence of environmental factors on plant growth.
			Prepare growing media for use in plant systems.
			Develop and implement a fertilization plan for specific plants or crops.
PS.03	Managing, producing, harvesting and handling crops	Apply knowledge of natural resources to production and processing industries.	Demonstrate plant propagation techniques.
			Develop and implement a plant management plan for crop production.
			Develop and implement a plan for integrated pest management.
			Apply principles and practices of sustainable agriculture to plant production.
			Harvest, handle and store crops.
PS.04	Creating designs using plants	Demonstrate techniques used to protect natural resources.	Create designs using plants.