

PENNSYLVANIA AGRICULTURAL CONSERVATION TRAINING CATALOG (9/23/14)

Course Code	Title of Training	Description of Training	Timing ¹	Schedule ²	Length	Training Provider	Website, Registration, or Contact	Prerequisites	Continuing Education Credits ³
AG101	Ag 101 Recorded Webinars	A series of ten recorded webinars that explore the many facets of PA farm types, operations management, economics, social aspects, and environmental considerations: (1) Introduction to Pennsylvania Farms; (2) The Pennsylvania Farmer; (3) Livestock Production Systems; (4) Equine and Specialty Systems; (5) Visiting a Farm; (6) Field, Forage and Grains; (7) Pest Management; (8) Specialty Crop Operations; (9) Agroforestry and Woodlot Management; and (10) Special Topics.	W	W	About one hour each	PSU	http://extension.psu.edu/aec/conservation-training/ag-101	None	No
NEDC-000019	Conservation Planning (Modules 1-5)	Five on-line AgLearn modules that provide a very basic introduction to the NRCS conservation planning process. <i>(Required for Certified Conservation Planning)</i>	W	W	3 days	NRCS-NEDC-000019 (AgLearn)	www.aglearn.usda.gov	None	No
CCP6	Introduction to Conservation Planning (Module 6)	Three-day classroom and field training that provides a hands-on introduction to the conservation planning process and basic RUSLE2. <i>(Required for Certified Conservation Planning)</i>	A	March	3 days	NRCS	www.pacd.org	NEDC-000019	No
ACT1	Agricultural Conservation Training Level 1 (Boot Camp) (Module 7a)	One-week classroom and on-farm conservation training for newly hired Conservation District agricultural technicians, NRCS staff, and Farmland Preservation staff. <i>(Required for Certified Conservation Planning)</i>	A	April	5 days	NRCS/ SCC	www.pacd.org	CCP6 and Approval by Instructors	No
ACT2E	Agricultural Conservation Training Level 2 Engineering (Boot Camp) (Module 7b)	One-week advanced conservation planning course with classroom and on-farm training focused on conservation practice design and implementation. <i>(Required for Certified Conservation Planning)</i>	A	April	5 days	NRCS/ SCC	www.pacd.org	ACT1	No
ACT2A	Agricultural Conservation Training Level 2 Agronomy (Boot Camp) (Module 7b)	One-week advanced conservation planning course with classroom and on-farm training focused on agronomic systems. <i>(Required for Certified Conservation Planning)</i>	A	April	5 days	NRCS/ SCC	www.pacd.org	ACT1	No
CCP8	Certified Conservation Planner Training (Module 8)	One-week advanced conservation planning course using a customer case study and on-farm evaluation to develop all components of a conservation plan and NEPA documentation. <i>(Required for Certified Conservation Planning)</i>	A	Sept.	5 days	NRCS	Gwendolyn.Crews@pa.usda.gov	ACT2A or ACT2E, CCP6, NMS, NMP, NEDC-000141, NEDC-000033, NEDC-000116, NEDC-000190	No

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CCP8	Certified Conservation Planner Training - Specialist (Module 8)	Three day advanced conservation planning course for Biology/Forestry Specialists using a customer case study and on-farm evaluation to develop all components of a conservation plan and NEPA documentation. <i>(Required for Certified Conservation Planning)</i> Note: This course is currently under development with Jan. 2015 as first expected training date.	A	Jan.	3 days	NRCS	Gwendolyn.Crews@pa.usda.gov	ACT2A or ACT2E, CCP6, NMS, NMP, NEDC-000141, NEDC-000033, NEDC-000116, NEDC-000190	No
NEDC-000033	Introduction to Water Quality	On-line AgLearn introduction to create an awareness of NRCS water quality policy and teaches principles and how to apply them in daily NRCS activities at the field, farm, and watershed scales. <i>(Required for Certified Conservation Planning)</i>	W	W	3 days	NRCS-NEDC-000033 (AgLearn)	www.aglearn.usda.gov	None	No
NEDC-000116	Ag Waste Management Systems Level 2	On-line AgLearn training for planning and designing agricultural waste management systems for livestock and poultry operations to manage waste from its production through its utilization. <i>(Required for Certified Conservation Planning)</i>	W	W	4 days	NRCS-NEDC-000116 (AgLearn)	www.aglearn.usda.gov	None	No
NEDC-000190	Environmental Compliance for Conservation Assistance Level 1	On-line introduction to environmental requirements for conservation planning such as technical assistance, programs, or project activities.	W	W	90 minutes	NRCS-NEDC-000190 (AgLearn)	www.aglearn.usda.gov	None	No
NEDC-000141	Cultural Resources Modules 1-6	Six web-based AgLearn modules that provides the participant with basic information on NRCS policy, procedures, responsibilities, key players and strategies for identification, evaluation, and protection of cultural resources. <i>(Required for Certified Conservation Planning)</i>	W	W	1/2 day	NRCS-NEDC-000141 (AgLearn)	www.aglearn.usda.gov	None	No
CR7-8	Cultural Resources Modules 7-8	Three-day classroom and field training on identification, evaluation and documentation of cultural resources and project/program impact areas. <i>(Required for Certified Conservation Planning)</i>	A	Summer	2 days	NRCS	John.Metrick@pa.usda.gov	NEDC-000141	No
CST	Customer Service Toolkit	Three-day introduction to develop conservation plans in NRCS Customer Service Toolkit.	N	N	3 days	NRCS	Amanda.Hasemeier@pa.usda.gov	USDA E-Authentication Level 2	No
NMO	Act 38 Nutrient Management Orientation	This training provides a comprehensive introduction and overview to the Act 38 regulatory requirements for nutrient management planning. During this session key nutrient management planning resources are distributed.	SA	Sept. and March	1 day	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	No

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MMN	Act 38 Managing Manure Nutrients Workshop	This training provides a foundational understanding of basic soil fertility concepts, the nutrient cycles and behavior of nutrients, particularly nitrogen and phosphorus, soil sampling and analysis, crop nutrient recommendations, and how to manage nutrients for crop and environmental protection.	SA	Sept. and April	2 days	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	No
NMPW	Act 38 Nutrient Management Plan Writing Workshop	This training prepares plan writers to develop nutrient management plans that meet Act 38 requirements and provide a beneficial tool to farmers to manage their manure and fertilizer nutrients. Participants will use information from a sample farm to develop a nutrient management plan.	SA	Oct. and May	2 days	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	MMN	No
NMPR	Act 38 Nutrient Management Plan Review Workshop	This training provides an overview of the administrative and technical aspects of the review of an Act 38 nutrient management plan. Both the process and details of plan review are covered.	SA	Dec. and June	1 day	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	MMN	No
NMACA	Act 38 Animal Concentration Area and Manure Storage Workshop	This training prepares specialists to address the requirements of the manure management component of an Act 38 nutrient management plan. Participants will learn how to identify manure storages and animal concentration areas, how to conduct an evaluation of the adequacy of manure management practices related to these areas.	SA	Oct. and May	2 days	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	Yes
NMS	Act 38 Stormwater and Soil Loss Workshop	This one-day course provides classroom instruction and field exercises on basic concepts and methods used to evaluate field runoff control practices, identify critical runoff problem areas, and select BMPs to address these areas that must be included in an Act 38 nutrient management plan. <i>(Required for Certified Conservation Planning)</i>	SA	Oct. and April	2 days	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	No
NMP	Act 38 P Index Workshop	This one day course provides classroom instruction and field exercises on the background and purpose of the Pennsylvania Phosphorus Index, learning how to use the Index to complete a field-by-field evaluation of phosphorus loss to water bodies, and how to incorporate the Index into the nutrient management planning process for Act 38. <i>(Required for Certified Conservation Planning)</i>	SA	Oct. and April	1 day	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	No
NMBS	Act 38 Nutrient Management Plan Nutrient Balance Spreadsheet Orientation	This workshop is specifically designed to provide an introduction to the Excel spreadsheets required for Act 38 nutrient management planning.	SA	Jan. and TBA	1 day	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	NMPW	No

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NMLPS	Act 38 Introduction to Livestock Production Systems	This workshop provides an overview of typical livestock production systems in Pennsylvania for dairy, swine, and poultry. A major focus of these discussions will be on manure handling. Topics such as contracts, marketing, economics, biosecurity issues, and dead animal disposal are also addressed.	A	Jan. and TBA	1 day	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	No
NMSH	Act 38 Soils, Hydrology, and Liquid Manure Workshop	This workshop provides an introduction to soil properties, soil quality, and soil hydrology with a specific focus on how they affect liquid manure application with irrigation and injection equipment.	A	Nov.	1 day	SCC/PSU	http://extension.psu.edu/plants/nutrient-management/events	None	No
OMO	Odor Management Orientation and Plan Writing	This training provides a comprehensive introduction and overview to the Act 38 regulatory requirements for odor management planning. Training includes learning how to use the Odor Site Index, development of farm maps, understanding impacts of odor on communities and learning how to develop and odor management plan.	A	July	1 day	SCC/PSU	maucoin@pa.gov	None	No
OMPR	Odor Management Plan Review	This training provides an overview of the administrative and technical aspects of the review of an Act 38 Odor Management Plan. Both the process and the specific details of plan review are covered. An Odor Management Plan that the participants completed from the Odor Plan Writing training will be reviewed in this class.	A	July	1 day	SCC/PSU	maucoin@pa.gov	OMO	No
WLID	Wetland Identification	Three-day workshop on the basics of wetland science and the identification of hydrophytic vegetation, hydric soils, and wetland hydrology indicators. Lectures are supported by field time to gain experience in plant identification, soil characterization, and other attributes important to wetland determinations. Workshops are open only to County, State, and Federal personnel who deal directly with hydric soils and/or wetland identification in PA and registrants must meet eligibility criteria as defined by instructors.	N	N	3 days	NRCS and US Army Core of Engineers	joseph.kraft@pa.usda.gov	Approval by Instructors	Yes
ADR2	Advanced RUSLE2 for the Experienced User	One day classroom training on the use of RUSLE2 for complex rotations, trouble-shooting, and strip cropping, followed by a question and answer session.	N	N	1 day	NRCS	Mark.Goodson@pa.usda.gov	CCP6	Yes
EFH1	Engineering Field Handbook (EFH) Chapter 1 Basic Surveying for Conservation	This one day course covers Chapter 1 of the EFH including basic surveying for the layout and construction of conservation practices. Students complete field exercises using laser and dumpy levels. Benchmarks, turning points, accuracy, and good notekeeping are emphasized.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	No
SUR2	Advanced Surveying for Conservation	This one-day follow up course to Basic Surveying includes transit and total station surveying principles and practice.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	No

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EFH2	Engineering Field Handbook (EFH) Chapter 2 Hydrology	This single day course covers Chapter 2 of the EFH. Topics include delineating watersheds, factors affecting surface runoff, and estimating runoff. Sample problems are solved using computer software.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	No
EFH3	Engineering Field Handbook (EFH) Chapter 3 Hydraulics	This one day course provides an overview of EFH Chapter 3. The morning is classroom instruction and in the afternoon, field data are collected outside and input into computer programs in the classroom.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	No
WWDT	Waterways, Diversions, and Terraces (Design)	This one day training is an introduction to waterway, diversion, and terrace layout, design, and field application. One half of the training is hands-on in the field.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	Yes
SM1	Soil Mechanics 1 (Engineering)	This two-day hands-on course provides an introduction to the unified soil classification system for engineering use of soils.	N	N	2 days	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	No
NEDC-000021	Concrete Fundamentals	This course describes the selection of materials, design of mixes, mixing of ingredients, testing, placement, finishing and curing of quality concrete. Subjects covered are: types of cements, selection of aggregates and additives; proportioning mixes; mixing, sampling, and testing fresh concrete; placing steel reinforcement; forming; batching, mixing, placing, and curing; and inspection of concrete.	N	N	5 days	NRCS-NEDC-000021	www.aglearn.usda.gov	NRCS Approval	No
QA	Construction Quality Assurance (Inspection)	This one-day course provides classroom instruction on how to ensure quality construction on conservation practices. Some topics include: what to look for; how to handle changes; and how to address problems.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	No
WS	Watering Systems for Livestock	This one-day classroom course covers various water supply and delivery methods for watering livestock. This course includes working through sample design problems.	N	N	1 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	Yes
SC	Stream Crossings (Design)	This half-day course may be combined with another topic and covers survey, design, and quality assurance for stream crossings.	N	N	1/2 day	NRCS	Contact Your NRCS Area Engineer	NRCS Approval	Yes
WIN-PST	WIN-PST Workshop	One day classroom training on the use of the Windows Pesticide Screening Tool (WIN-PST).	N	N	1 day	NRCS	Mark.Goodson@pa.usda.gov	None	No
SS	Agronomy Scout School	This school provides entry level crop scouts with an overview of the fundamentals necessary for scouting in corn, soybeans, alfalfa, and small grains. Some sessions will be hands-on. Each participant receives an Agronomy Scout handbook and a magnifying hand lens. (Fee charged).	A	Spring	1 day	PSU	http://extension.psu.edu/plants/crops/courses/agronomy-scout-school	None	No

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FOR	Forestry Workshop	This one-day workshop provides a forum where local DCNR Bureau of Forestry and USDA NRCS staff can interact while learning the conservation planning processes engaged by both agencies. Discussion includes forestry terms and practices, DCNR and NRCS program overviews, and the roles and responsibilities of each agency.	N	N	1 day	DCNR/ NRCS	aduncan@pa.gov	None	No
CNMP	CNMP Annual Update	Annual meeting/training for individuals working with CNMP development in PA. Content will address the Manure and Wastewater Handling and Storage, Land Treatment, and Nutrient Management Elements.	A	March	1 day	NRCS	peter.vanderstappen@pa.usda.gov	None	Yes
PM1	Basic Pasture Management	This half day training provides information on pasture inventory and evaluation tools, as well as basic knowledge of forage identification with focus on grassland processes and livestock management. Conservation practices to address resource concerns are discussed, as well as the Prescribed Grazing Standard and supporting technical documents. This training may be available as a stand alone training, or in a NRCS East Region Tech Center webinar(s) format, and is included as part of CP6, ACT1, and ACT2A.	N	N	1/2 day	NRCS	Susan.Parry@pa.usda.gov	NEDC-000019	No
CRPR	Developing a CRP Conservation Plan: Start to Finish	This Training is for USDA staff and Technical Service Providers on the Conservation Reserve Program (CRP). Students will learn how to develop a CRP Conservation Plan that provides the needed information to FSA and NRCS on how the land will be treated to protect soil and water, and provides the farmer with a guide to manage the land to meet requirements of the CRP Program. Course topics include: (1) Mid Contract Management: Creating and Maintaining Exceptional Habitat; (2) Developing Wildlife Habitat; (3) CRP Core Training; (4) CRP and Forestry; (5) Conservation Planning Web Tools; (6) Understanding RUSLE2; and (7) Understanding the Wind Erosion Prediction System.	N	N	Varies by course topic	Univ. of Wisconsin and a Local Provider	http://conservation-training.wisc.edu/course_listing/list_sections?course_id=90	None	Yes

¹ **Timing codes:**

W= training is Web-based and available continuously
A= held Annually (once per year)
SA= held Semi-Annually (twice per year)
Q= held Quarterly (every three months)
BA=held Bi-Annually (every other year)
N= held as Needed

² **Schedule indicates the usual time course is held, i.e., month, season, or codes:**

W = training is Web-based and available continuously
N = held as Needed

³ **Continuing Education Credits may be available for these trainings, please check with training provider.**