Title	Hours	ID#	Format	Approved Dat
ecord Keeping for Animal Waste Operators	2.0	AB08301001	Classroom	8/30/2010
Participants are shown how to use Excel for key computers. PowerPoint(s) available? n/a	record kee	ping forms and are	e allowed to pract	ice on provided
For more information, contact: Amanda Hatche	er 910-29	96-2143 amanda	_hatcher@ncsu.e	du
Vater Quality Issues for Animal Waste Operators, #2	1.0	AB08111003	Field Tour	8/11/2010
1) NC Environmental Steward Award Winner and PowerPoint(s) available? n/a	d Environm	ental Practices; 2)	Water Quality on	Swine Farms.
For more information, contact: Becky Spearman	n 910-86	2-4591 becky_s _k	pearman@ncsu.ed	du
Vater Quality Issues for Animal Waste Operators, #1	1.0	AB08111002	Field Tour	8/11/2010
Field tour of native warm grasses, nutrient mana water quality. PowerPoint(s) available? n/a	agement up	odate, riparian buf	fers, water contro	l structures and
For more information, contact: Becky Spearman	n 910-86	2-4591 becky_s _i	pearman@ncsu.ed	du
Iternative Management Strategies for Dairy Grazing Systems	2.0	AB07221001	Conference	7/22/2010
This training is intended to provide attendees wi results in relatively uniform nutrient redistribution fresh grazing paddocks twice daily. Topics including growing alfalfa-grass mixtures organically and coweeds; and Effects of intensive pasture manager	on by grazi e: Overvie onventiona ment on di	ng animals when n w of CEFS pasture- lly- management o	nanaged intensive based dairy syste of nutrients and fe	ely by providing m; Challenges in rtility, insects, an
store and haul manure. PowerPoint(s) available				
	rn 919-5	15-7726 steve_v	vashburn@ncsu.e	du
store and haul manure. PowerPoint(s) available	rn 919-5 2.0	15-7726 steve_v	vashburn@ncsu.e Workshop	du 7/9/2010
store and haul manure. PowerPoint(s) available For more information, contact: Steven Washbu	2.0 age Manag ern NC. Top	AB07091001 Tement Education Striction include: Forage ID. PowerPoint(s)	Workshop Series sponsored b Management in a	7/9/2010 by Cooperative

This training covers the life cycles and some taxonomy of weeds common to pastures and hayfields. Accurate identification is the first and critical step in controlling weeds. Timing and methods of controlling weeds are also covered, including withdrawal times for grazing, harvest, etc. Animal waste applicators frequently apply animal waste to pastures or hayfields to utilize those nutrients. Weeds in these locations compete with the desired forage and decrease the efficiency of nutrient utilization. Controlling weeds in areas that receive applications of animal waste is important in properly utilizing nutrients and preventing misapplication. PowerPoint(s) available? Yes

For more information, contact: Dan Wells 919-989-5380 dan_wells@ncsu.edu

Title	Hours	ID#	Format	Approved Dat
Forage Pests & Stand Issues	1.0	AB05131003	Classroom	5/13/2010
This training discusses the management strategies worms and grubs and control weeds and manage l			_	-
For more information, contact: Amanda Hatcher	910-2	296-2143 amanda <u>.</u>	_hatcher@ncsu.e	edu
Hay Quality	1.0	AB05131002	Classroom	5/13/2010
This training discusses the management strategies cutting timing, plant growth factors, maintaining tavailable? Yes				_
For more information, contact: Amanda Hatcher	910-2	296-2143 amanda <u>.</u>	_hatcher@ncsu.e	edu
Swine Lagoon Management	2.5	AB05131001	Classroom	5/13/2010
Topics: Sludge surveying with remote-controlled b sludge; and Using lagoon covers and liners in an ar			=	
For more information, contact: Amanda Hatcher	910-2	296-2143 amanda <u>.</u>	_hatcher@ncsu.e	edu
Alternative Technology Tour	3.0	AB04281003	Tour	4/28/2010
This tour allows attendees to see technology in act Engine/generator, air scrubbing and exhaust clean Struvite; and 6) Covered digester. PowerPoint(s)	up; 2) E	Biovator; 3) Duckwee		
For more information, contact: Diana Rashash	910-45	5-5873 diana_rash	nash@ncsu.edu	
Weed Management and Identification in the Sandhills	1.0	AB04281002	Classroom	4/28/2010
Weed Management and Identification: weed ID ar importance of timing in control in grazing, haying,		_	_	l, cultural, and
For more information, contact: Tiffanee Conrad-A	Acuna	910-997-8255 Tif	f_Conrad@ncsu.	edu
Cool Season Cover Crops	1.0	AB04281001	Classroom	4/28/2010
Discussion of cool season cover crops, including id in pasture and crop rotations and sprayfields. Pov			planting and mar	nagement info, us
For more information, contact: Tiffanee Conrad-A	Acuna	910-997-8255 Tif	f_Conrad@ncsu.	edu
Cool Season Weed Management in Bermuda and Fescue Fields	1.0	AB03181001	Classroom	3/18/2010

Controlling weeds in Bermuda/fescue fields increases yields, nutrition and the amount of nutrients applied to the actual wanted grasses. Topics include bermuda hayfield/pasture management of common weeds in the Burgaw area and weed management information about Bladen County seeded/sprigged test plots. PowerPoint(s) available?

For more information, contact: Emily Herring 910-259-1235 emily_herring@ncsu.edu

Title	Hours	ID#	Format	Approved Date
nvironmental, Legislative, & Regulatory Issues or AW Operators, 2010	1.0	AB03101001	Classroom	3/10/2010
This training is an update on issues in the swine in available? Yes	ndustry re	lated to animal wa	ste management	. PowerPoint(s)
For more information, contact: Becky Spearman	910-86	2-4591 becky_sp	earman@ncsu.e	du
010 Pasture & Sprayfield Herbicide Update & Chemical Weed Control Class	1.0	AB03091001	Classroom	3/9/2010
This training includes updates on new forage her herbicides; and specific problem weed recommendations.				rrent forage
For more information, contact: Randy Wood	910-875-3	461 randy_wood	@ncsu.edu	
	6.0	AB02261004	Field Day	2/26/2010
Operation Maintenance & Repair of Land Application Systems	0.0	ABULLUIUU	·	

Continuing Education for Animal Waste Operators, Session 2

3.0 AB02261003

Classroom

2/26/2010

Mortality Composting: a balanced overview of the options available, designs that work well, resources, rules of thumb and common questions and answers are presented. Warm Season Weed Management: warm season weed management including weed identification, herbicide choices, timing of treatments and precautions for proper forage sprayfield management are addressed. Farm Safety & Preparedness: farm preparedness and safety issues for animal waste operators and others as it relates to farm management including equipment safety, health precautions, and general preparedness are presented. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda hatcher@ncsu.edu

Continuing Education for Animal Waste Operators, Session 1

3.0 AB02261002

Classroom

2/26/2010

Nitrates & Aflatoxin Issues: Aflatoxin and nitrates are impacted by environmental factors and crop health and affect animal health and feed quality. Factors that impact these issues, including waste application, fertilization, weather, and others are discussed, as well as ways to minimize the impact these issues have on feed quality and crop quality. Regulatory & Legislative Update: Current issues affecting the swine industry particularly in terms of waste management and legislative decisions are presented, as well as an update on the water quality monitoring proposal. NRCS/Soil & Water Update: Current cost-share and assistance programs through NRCS and Duplin Soil & Water related to drainage issues, ditches, soil erosion, and other problems are discusseed. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda hatcher@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Cattlemen's College, Session 3	1.5	AB02261001	Classroom	2/26/2010

The Forage Production section of this program focuses on maintaining a good crop and increasing yield on forages, a factor that is essential in waste utilization. Forage is the basis for an economical feeding program. Producers earn the basics of forage production, factors affecting quality of forage, and the value of controlled grazing. PowerPoint(s) available? Yes

For more information, contact: Brandon Cox 910-296-2143 Brandon_cox@ncsu.edu

Euthanasia and Disposal

AB02041003 2/4/2010 The goals of this course are to present information to educate operators of swine waste management systems on 1) the timely identification of compromised pigs that will not respond to treatments, 2) the latest

recommendations for the euthanasia of swine and 3) the latest methods and cost sharing opportunities for onfarm mortality disposal. PowerPoint(s) available? Yes

1.0

For more information, contact: Todd See 919-515-2755 todd_see@ncsu.edu

Commitment to Conservation

1.0 AB02041002 Conference

Conference

2/4/2010

The goal of this course is to present a case study to educate operators of swine waste management systems on one of the most successful operations in NC. The Bryant Worley operation was selected as a 2009 Environmental Steward Award winner. Details of this farm's nutrient management, conservation and wildlife management are shared highlighting what producers can do to be the best possible stewards of the environment. PowerPoint(s) available? Yes

For more information, contact: *Todd See 919-515-2755* todd see@ncsu.edu

AgriSafe and Certified Safe Farm Programs

1.0 AB01211002 Classroom

1/21/2010

This training addresses safety and workers compensation concerns that are relevant to animal waste operators due to the dangerous tasks they are required to perform. Ways to avoid accidents and safety concerns on the farm are discusssed. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda_hatcher@ncsu.edu

NE Regional Pork Conference, 2010

4.0 AB01211001 Conference

1/21/2010

Topics: Nutrient Removal By Crops; Waste Management Analysis; Future of the Hog Industry; Methane Gas Collection; and Lagoon Closure/Cost Share Options. PowerPoint(s) available? Yes

For more information, contact: Heather Lifsey 252-482-6585 heather lifsey@ncsu.edu

Improved Waste Managementt through Manure Distribution w/ Intensive Grazing

2.0 AB12020902 Classroom

12/2/2009

Distributing waste evenly through Intensive Grazing Management is a better use of manure resources, labor and fuel. Also, grazing systems are proven to be more profitable dairy enterprises. Presentations: 1) Forage Species Selection, Realistic Yield Expectations, Grazing Management for Increasing Dairy Profits, Uniform Manure Distribution, Forage Sampling, Review of Regulations Pertaining to Grazing Buffers; 2) Prevention of Weed Encroachment by Maintaining Sward Thickness and Desired Species, Controlling Undesirable Species Through Timely Herbicide Applications, Clipping and Soil Fertility. PowerPoint(s) available? Yes

For more information, contact: Marti Day 919-542-8202 marti day@ncsu.edu

Previously Approved Continuing Ed Courses for AWMS Operators

Title	Hours	ID#	Format	Approved Date
PA Swine Farm Best Management Practices	1.0	AB12020901	Videos	12/2/2009
These videos provide useful ideas that promot Swine Farming Best Mangement Practices Vide Environmental Stewardship; 2)2006 and 2008 National Pork Board. PowerPoint(s) available	eo from EPA Environment	Swine Producers \	Workshop Oportu	nities for
For more information, contact: Phyllis Creech	-Greene 91	10-641-3996 ph	yllis_creech@ncsu	.edu
MPs for Waste Handling & Utilization on the arge Confinement Dairy	6.0	AB11060901	Tour	11/6/2009
most effective delivery for new ideas. Farm to discussion pertaining their application: 1) Zach separator use, operation, and economics, Bed cropping systems; 2) Barry Myers Farm (1000 sand separator, Drag hose application system, and No-till cropping systems. PowerPoint(s) a	n Myers Farm ded-pack dry cow confiner Flush systen available? No	(800 cow confine cow and replacer nent operation): S n for alley cleaning	ment dairy): Grav nent heifer housir and bedding syste g, Three-stage was	ity flow sand ng, and Alternative em, Mechanical
For more information, contact: Marti Day	919-542-8202	2 marti_day@no	csu.edu	
_	1.0	AB09210907	Field Excercise	9/21/2009
_	rm calibration y for equipm dressed as pro	ns every other yea ent to operate eff oper winterization	r on their irrigatio iciently and in the	n equipment. parameters
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Rotational Grazing in a Sprayfield; Plant Growth and Grazing Management; Pasture/Sprayfield Management: Fungal Diseases. PowerPoint(s)

Weed ID, Herbicide use, Herbicide carryover, available? No

For more information, contact: Eve Honeycutt 252-747-5831 eve_honeycutt@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Understanding the New State General Permit PowerPoint(s) available? Yes	1.0	AB09010901	Classroom	9/1/2009
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Waste Application Equipment Calibration Training	4.0	AB08200901	Field Demonstration	8/20/2009

Producers are shown first-hand how to calibrate a boom-type hose-drag measuring tractor speed, flow rate, effective application rate, and properly completing calibration data and forms. Troubleshooting is discussed in the event that a measurement is inaccurate or incorrect. Training also covers calibration of honeywagons. PowerPoint(s) available? No

For more information, contact: Lara Worden 704-922-2118 lara_worden@ncsu.edu

Animal Waste Field Day

3.0 AB08140904 Field Day 8/14/2009

7/16/2009

Buffers, calibrations and sludge surveys are a part of permit requirements for animal waste operators and owners. It is the responsibility of both to be aware of these issues and also to know how to fix the issue if it becomes a problem. This field day relies mostly on demonstration and exercises and also addresses some individual issues related to these subjects. Topics: Setting Buffers & Buffer Encroachment Issues; Field Calibrations of Traveling Guns & Maintenance Issues; and Sludge Surveying Using Sonar. PowerPoint(s) available? No

For more information, contact: Amanda Hatcher 910-296-2143 amanda_hatcher@ncsu.edu

Fall Field Day 2.0 AB08140903 Field Day 8/14/2009

Forage systems play an important part in sprayfields and competition is always a problem. This field day is intended to help producers better manage their farms by giving them tips and ideas to keep their farm in compliance. Participants rotate between 5 stations: 1) Cool Season Grasses - Fescue and Rye Fields; 2) Bull Pasture and Management; 3) Herbicide and Sprayer Tips; 4) Watering Systems and Cost Share; and 5) Bermuda Field. PowerPoint(s) available? No

For more information, contact: Becky Spearman 910-862-4591 becky_spearman@ncsu.edu

Fire Ant, Fly and Rodent Control on Livestock 1.5 AB08030901 Classroom Farms

PowerPoint(s) available? Yes

For more information, contact: Mike Stringham 919-515-8878 mike_stringham@ncsu.edu

Pest & Wildlife Management for Animal Waste 1.5 AB07150902 Classroom 7/15/2009 Mgt Operators

Animal waste operators have to complete their duties while maintaining a hospitable environment for wildlife. Many species, however, can be a nuisance in large numbers and concentrations. Bears can invade mortality containers and beavers can contribute to flooding. Insects can damage sprayfield crops and feral hogs can damage equipment. Farmers need to know what they can do to prevent nuisances from occurring. We will address prevention and treatment options, specifically about insects, rodents, bears, beavers and other animals. Topics: Insect & Rodent Control; Wildlife Control & Nuisance Prevention. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda_hatcher@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Southeast Hay Management Field Day	3.0	AB07150901	Hay Day	7/15/2009

Hay and livestock producers as well as animal waste operators will benefit from this field day by learning management techniques to improve the management of their forages. Learning specifics of weed control in pastures and forages will assist them with maintaining a pure stand of forages in their waste plan and optimizing production, while utilizing nutrients provided by their waste management systems. Review of bermudagrass varieties and management thereof will provide more choices and options for hay production. Demonstrations of hay baling equipment will provide an additional means to learn what equipment works best in their production system. PowerPoint(s) available?

For more information, contact: Eileen Coite 919-731-1520 eileen_coite@ncsu.edu

WNC Operator in Charge Training 3.0 AB07020901 Classroom & 7/2/2009
Tour

Topics: Nutrient Management -Soil samples and how to interpret them; BMP's at Research Station and John Queen Farm; and Stream Ecology. PowerPoint(s) available?

For more information, contact: *Tony McGaha* 828-456-3575

tony_mcgaha@ncsu.edu

Pasture Walk 1.5 AB05310904 Field 5/31/2009

Demonstration

This training is intended to help forage managers better understand how soils fertility impacts forage production and weed competition. It should help improve their ability to identify and control problem grasses and weeds, while also improving their understanding of proper grazing management. Topics: Identification of common grasses and weeds; Evaluating quality of forage stand; Soil sampling, reading soil reports, and soil fertility; Grazing methods; and Problems associated with forage management. PowerPoint(s) available?

For more information, contact: Emily Adams Walton 910-455-5873 Emily_Adams@ncsu.edu

Disaster Preparedness for Farmers and Animal 2.5 AB05310903 Classroom 5/31/2009 Waste Operators

The new swine permits specify that operators must cease waste application within four hours of the time that the National Weather Service issues a Hurricane Warning, Tropical Storm Warning, or Flood Watch associated with a tropical system. The purpose of this continuing education class is to enable operators to spot storms more effectively, to teach operators how to use weather tools already available, and to help operators prepare their waste application and storage system for future weather-related disasters - not only in preparation for the new permit but as a good management practice. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda_hatcher@ncsu.edu

Seeded Bermudagrass Variety Testing and Weed 1.0 AB05310901 Class 5/31/2009 ID & Control

Topics: Seeded Bermudagrass Variety Testing in SE North Carolina; Summer Weed Id and Control Methods.

PowerPoint(s) available? Yes

For more information, contact: Eileen Coite 919-731-1520 eileen_coite@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Forage Workshop	1.0	AB05140901	Field Excercise	5/14/2009

This workshop serves as an educational resource for both cattlemen and animal waste operators in establishing and maintaining forages in grazing systems, with an emphasis on fertilizer cost reduction through the use of legumes. Utilization of mixed stands will be reviewed along with an introduction to cover crop management. PowerPoint(s) available?

For more information, contact: Eileen Coite 919-731-1520 eileen_coite@ncsu.edu

Battling Pasture Pests

available? Yes

1.0 AB04290902

Classroom

4/29/2009

This training is intended to help producers identify common pests that they might encounter in sprayfields where forages are produced. Participants have the opportunity to practice identifying the pests. Recommendations for how to control the pests if found are provided. PowerPoint(s) available? Yes

For more information, contact: Emily Adams Walton 910-455-5873 Emily Adams@ncsu.edu

Proper Soil Sampling and Understanding Soil Test 2.0 Results

AB04290901

Classroom

4/29/2009

This training outlines the need for and importance of proper soil sampling, submitting representative samples, and evaluating soil test results to enable proper liming and fertilization of agricultural crops in a way that maximizes yields without compromising environmental quality. Waste system operators will gain knowledge and skills associated with properly managing waste application sites and safeguarding environmental quality.

Topics: Proper soil sampling; Soil sampling: hands-on practice; and Understanding soil test results. PowerPoint(s)

For more information, contact: Dan Wells 919-989-5380 dan_wells@ncsu.edu

Forage Management & Pasture Field Day

2.0 AB04060901

Field Excercise

4/6/2009

This training is intended to be a hands-on field day to help producers manage forage crops to maintain a vigorous, healthy stand as a follow up to the Drought Management field day in the fall of 2008. Topics to be covered: Forage identification, Timing of planting, Principles of plant growth, Weed Identification and spray protocol, Developing a grazing plan for extended grazing without damaging pastures Grazing versus haying, Grazing height, Rotational grazing, and Compliance with permit requirements. PowerPoint(s) available?

For more information, contact: Lara Worden 704-922-2118 lara worden@ncsu.edu

Waste Recertification Tour, Goldsboro

6.0 AB03230901

Tour

3/23/2009

PowerPoint(s) available?

For more information, contact: Marti Day 919-542-8202 marti day@ncsu.edu

EPA CAFO NPDES and General Permit Renewal Workshop

1.0 AB03030901

Classroom

3/3/2009

This workshop compares the EPA CAFO NPDES Permit to the State General Permit so the producer can make an informed decision on which permit they want to be covered under. Changes from previous General Permit and the new draft rule for Surface and Ground Water Monitoring are discussed. PowerPoint(s) available? Yes

For more information, contact: Glenn Clifton 910-596-5749 glennc@prestagefarms.com

	Hours	ID#	Format	Approved Date
Learn the Basics About Carbon Credits	1.0	AB02130902	Classroom	2/13/2009
Participants in this course will learn about ca be identified for hog farms for carbon credits system will be discussed. Details will also be monetize carbon credits to generate revenue	s. Financing, m provided on h	nanaging, and insta ow waste systems	illation of the em like lagoon cover	ission control
For more information, contact: Todd See	919-515-2755	todd_see@ncsu	.edu	
Applying HAACP & Assurance Programs To Mee	t 1.0	AB02130901	Classroom	2/13/2009
Participants in this course will learn how to a regulatory requirements. Topics to be addrewho are not "operators in charge", emergen available? Yes	essed will be re	cord-keeping, on-f	arm employee tr	aining for workers
For more information, contact: Todd See	919-515-2755	todd_see@ncsu	.edu	
Managing Summer Forages	3.0	AB01230903	Classroom	1/23/2009
Topics covered relate to vegetative covers ar Trials in Southeastern North Carolina; Comm Management & Chemical Control. PowerPo	non Agronomic pint(s) available	Problems and Solu		_
For more information, contact: Amanda Ha	tcher 910-29	96-2143 amanda	_hatcher@ncsu.e	edu
	1.0	96-2143 amanda AB01230902	_hatcher@ncsu.e	1/23/2009
	1.0 ints on what pr	AB01230902	Classroom ok for to maintair	1/23/2009
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The purpose of this training is to give key point their lagoon. Proper proper trapping technic PowerPoint(s) available? Yes For more information, contact: Heather Life	1.0 ints on what properties of rodent sey 252-482-	AB01230902 roducers should lo that cause damag 6585 heather_lij	Classroom ok for to maintair e to the lagoon da fsey@ncsu.edu	1/23/2009 In the integrity of am are discussed.
Lagoon and Lagoon Dam Maintenance The purpose of this training is to give key pointheir lagoon. Proper proper trapping technical PowerPoint(s) available? Yes For more information, contact: Heather Lifes Waste Management Updates	1.0 ints on what properties of rodent sey 252-482-10	AB01230902 roducers should lo that cause damag 6585 heather_lij	Classroom ok for to maintair e to the lagoon da fsey@ncsu.edu	1/23/2009 In the integrity of am are discussed.
The purpose of this training is to give key point their lagoon. Proper proper trapping technic PowerPoint(s) available? Yes For more information, contact: Heather Lifts Waste Management Updates PowerPoint(s) available? Yes For more information, contact: David Crous	1.0 ints on what properties of rodent sey 252-482-10	AB01230902 roducers should lo that cause damag 6585 heather_lij	Classroom ok for to maintair e to the lagoon da fsey@ncsu.edu Classroom	1/23/2009 In the integrity of am are discussed.
The purpose of this training is to give key point their lagoon. Proper proper trapping technic PowerPoint(s) available? Yes For more information, contact: Heather Lifts Waste Management Updates PowerPoint(s) available? Yes For more information, contact: David Crous	1.0 ints on what properties of rodent sey 252-482-1.0 1.0 se 919-341-9 3.0 goon Waste Angelone	AB01230902 roducers should lo that cause damag 6585 heather_lij AB01090902 383 David_Crous AB01090901 alyses Results: Internation	Classroom ok for to maintain to the lagoon do fsey@ncsu.edu Classroom se@ncsu.edu Classroom crpreting 10 years	1/23/2009 In the integrity of am are discussed. 1/9/2009
The purpose of this training is to give key point their lagoon. Proper proper trapping technic PowerPoint(s) available? Yes For more information, contact: Heather Lifts Waste Management Updates PowerPoint(s) available? Yes For more information, contact: David Crouse Animal Waste Applicator Continuing Education Topics: Phosphorus Removal by Struvite; Lag	1.0 ints on what property of the property of t	AB01230902 roducers should lo that cause damag 6585 heather_lij AB01090902 383 David_Crous AB01090901 alyses Results: Interv. PowerPoint(s) a	Classroom ok for to maintain to the lagoon do fsey@ncsu.edu Classroom se@ncsu.edu Classroom crpreting 10 years	1/23/2009 In the integrity of am are discussed. 1/9/2009
The purpose of this training is to give key point their lagoon. Proper proper trapping technic PowerPoint(s) available? Yes For more information, contact: Heather Lifts Waste Management Updates PowerPoint(s) available? Yes For more information, contact: David Crouse Animal Waste Applicator Continuing Education Topics: Phosphorus Removal by Struvite; Lag Lagoon Sludge Management; and Utilizing N	1.0 ints on what property of the property of t	AB01230902 roducers should lo that cause damag 6585 heather_lij AB01090902 383 David_Crous AB01090901 alyses Results: Interv. PowerPoint(s) a	Classroom ok for to maintain to the lagoon do fsey@ncsu.edu Classroom se@ncsu.edu Classroom erpreting 10 years available? Yes	1/23/2009 In the integrity of arm are discussed. 1/9/2009

For more information, contact: $Brad\ Johnson\ 704-216-8970\ Brad\ Johnson@ncsu.edu$

Opualeu August 30, 2010					
Title	Hours	ID#	Format	Approved Date	
Biovator Composter Field Day	2.0	AB11240802	Field Day	11/24/2008	
This field day exposes producers to a composting	ng option fo	r mortality disposal	. PowerPoint(s) available?	
For more information, contact: Patty Gabriel	(919) 734	-5281, ext 3 patty	v.gabriel@nc.us	da.gov	
Environmental and Regulatory Update for Livestock Producers	0.5	AB11100808	Meeting	11/10/2008	
Topics: Govenor's Drought Bill - HB2499; Impor Rule Making Petition; Renewal of State Non-Dis PowerPoint(s) available? Yes				•	
For more information, contact:					
Flow Meter Demonstration	2.0	AB11100807	Class	11/10/2008	
This training addresses monitoring of equipmen demonstration how a flow meter (specifically a equipment functions. Growers learn how to use available?	Doppler flo	w meter) works and	d its relationship	to other aspects o	
For more information, contact: Amanda Hatch	er 910-2	96-2143 amanda_	_hatcher@ncsu.	edu	
Nutrient Management Plans for Poultry Growers	1.0	AB11100806	Class	11/10/2008	
This training discusses nutrient management in record keeping and a proper nutrient managem factor are explained as well as the importance of nutrients. PowerPoint(s) available? Yes	ent plan. T	erms such as realist	ic yield expectat	ion and nitrogen	
For more information, contact: James Parsons	910-296-	-2143 James_Pars	sons@ncsu.edu		
Methane Capture off Swine Lagoons	1.0	AB11100805	Class	11/10/2008	
Topics: basic science of how methane capture we electricity from methane, management required lagoon cover for methane capture. PowerPoint	d for the m	ethane capture pro			
For more information, contact: Amanda Hatch	er 910-2	96-2143 amanda_	_hatcher@ncsu.	edu	
Sludge Management	1.0	AB11100804	Class	11/10/2008	
Topics: strategies to managing sludge to reduce overload on fields, and create an optimal working available? Yes				• •	
For more information, contact: David Crouse	919-341-9	383 David_Crous	e@ncsu.edu		

This training addresses ways that growers and/or animal waste operators can utilize biofuel opportunities, including waste to energy products, biofuel crops such as canola, and agricultural by-products. Biofuel crop relations to animal waste application are also discussed. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda_hatcher@ncsu.edu

Title	Hours	ID#	Format	Approved Dat
USDA-Rural Development Energy Grants	0.5	AB11100802	Class	11/10/2008
This training discusses ways that growers can becoperation and what financial assistance is available				rough their
For more information, contact: Amanda Hatcher	910-29	96-2143 amanda <u>.</u>	_hatcher@ncsu.	edu
Understanding Phosphorus Levels on the Farm	1.0	AB11100801	Class	11/10/2008
High phosphorus levels in the lagoon are a concer waste fields are typically more problematic for ph growers can do to counteract it, and what future efficiently. PowerPoint(s) available? Yes	osphorus	issues. This trainin	g discusses high	phosphorus, what
For more information, contact: Amanda Hatcher	910-29	96-2143 amanda <u></u>	_hatcher@ncsu.	edu
Struvite Formation and Utilization	0.5	AB11070804	Class	11/7/2008
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 diana_rash	nash@ncsu.edu	
Mortality Composting	1.5	AB11070801	Class	11/7/2008
Animal mortality is discussed as it relates to mana and cost-effectiveness. It specifically address pros instructions of composting such as proper temper	and cons	of different comp	osting choices ar	nd the specific
For more information, contact: Amanda Hatcher	910-29	96-2143 amanda <u>.</u>	_hatcher@ncsu.	edu
Phosphorus Removal by Struvite	0.5	AB08091001	Classroom	10/28/2008
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 diana_rash	nash@ncsu.edu	
Sludge Survey Update	1.0	AB10030801	Classroom	10/3/2008
Training covers the rule changes on sludge allowal Producers learn how to conduct a sludge survey worksheet. What to do if the sludge survey determined discussed. PowerPoint(s) available? Yes	vith the n	ew rules in place a	nd go through th	ie sludge survey
For more information, contact: Amanda Hatcher	910-29	96-2143 amanda <u>.</u>	_hatcher@ncsu.	edu
Dairy Producers Field Day	2.0	AB09160801	Field Day	9/16/2008
		n and Advantages o		

For more information, contact: Nancy Keith 336-679-2061 nancy_keith@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Pasture Renovation Field Day	2.0	AB08190801	Field Excercise	8/19/2008
This training is intended to help producers manage pasture management strategies in order to utilize keep the land and animals healthier. PowerPoir	e pasturel	and more effective	•	-
For more information, contact: Lara Worden	704-922-2	2118 lara_worde	n@ncsu.edu	
Prought Management Seminar II	1.0	AB08140803	Class	8/14/2008
producers maintain the health of their pastures to manner. Addressing Economic Concerns for Agric costs and feed costs. Producers learn how to mee economically feasible manner. Utilizing Nutrients nitrogen relationships with plants: nitrate toxicity high or approaching high levels, and how phosphoromore information, contact: Amanda Hatcher	culture ad et the nee Wisely a and how orus coul	dresses economic eds of those fields ddresses issues su to prevent it, who d become a proble	issues in agricultur that need additiona ch as phosphorus, h at to do when heav	e, such as fuel al nutrients in an neavy metal, and y metal levels are) available? Yes
Vaste Application Equipment Calibration Clinic	3.0	AB08140802	Field Demonstration	8/14/2008
Producers are shown first-hand how to calibrate ring size, uniformity, and visual inspection. Troub incorrect, weed management in a sprayfield, met also covers hay sampling and analysis, nitrates, cravailable?	leshootin hods of c	g in the event that control, and weed i	a measurement is dentification are di	inaccurate or iscussed. Training
For more information, contact: Amanda Hatcher	r 910-2	96-2143 amand	a_hatcher@ncsu.ed	du
rought Management Seminar I	1.5	AB08140801	Class	8/14/2008
Using Crops for Forages - Applying animal waste of harvesting and storage. Sprayfield Consideration to avoid long term damage to the forage. Effects discussed. Soil & Water Conservation on the Farm protect soil organic matter to help crops fare better the protect information, contact: Amanda Hatcher	During Di of overgr n - Steps i ter during	roughts - Managin; azing, weed comp producers can take g drought. Powerl	g pastures and/or hetition, and mowing to better utilize so	nayfields correctly g too low are oil moisture and Yes
sect Management for Swine Producers	1.0	AB06090801	Class	6/9/2008
Animal waste is often a source of insect problems in and around houses and around lagoons, managethese insects on production. Specifically discussed	s, which t gement s	ies into managemo trategies and treat	ent. Topics: differer ments for control,	nt insect problems

means of control, chemical means of control and precautions to take. PowerPoint(s) available? Yes

For more information, contact: Amanda Hatcher 910-296-2143 amanda_hatcher@ncsu.edu

Title	Hours	ID#	Format	Approved Date
udge Surveying	1.0	AB03190804	Field Workshop	3/19/2008
Because a sludge survey is required in most cases perform a sludge survey on their lagoon. At this st tub, measuring sticks and other tools. We will use measurements and how to complete the sludge su in compliance with sludge levels. PowerPoint(s) a	ation, we real case urvey for	e will do a small-so e scenarios and de m. We will also go	cale sludge survey u monstrate how to t	sing a clear plasti ake
For more information, contact: Amanda Hatcher	910-2	96-2143 amand	a_hatcher@ncsu.ea	lu
ecord Keeping Using Computers	1.0	AB03190803	Classroom	3/19/2008
The instructor will go over specific record keeping He will show producers how to use these forms us computers. PowerPoint(s) available?		•	·	•
For more information, contact: Amanda Hatcher	910-2	96-2143 amand	a_hatcher@ncsu.ed	lu
ay Quality & Analysis	1.0	AB03190802	Field Workshop	3/19/2008
When producers cut hay from sprayfields, too ofte making their product less desirable. By attending t contribute to hay quality and learn how to visually not only produce a more demanding product but v available?	his prog	ram, producers wi e hay and learn ab	Il better learn the facult testing services	actors that . Producers will
For more information, contact: Amanda Hatcher	910-2	96-2143 amand	a_hatcher@ncsu.ea	lu
esticide Sprayer Calibration	1.0	AB03190801	Field Workshop	3/19/2008
Many sprayfields contain weeds that can be control too much or not enough simply because they do n properly calibrate their sprayers will equip them to minimizing environmental impact, while ensuring For more information, contact: <i>Amanda Hatcher</i>	ot know o apply h their spr	how much they a erbicides in corre- ayfields are maint	re applying. Teachir ct amounts, saving t	ng producers to them money and (s) available?
This is an information session for growers interest. Program Eligibility; Conservation Easements, Easen	-			•
Buffer Requirements. PowerPoint(s) available?				
For more information, contact: Becky Spearman	910-86	52-4591 becky_s	pearman@ncsu.edu	ı

Topics: Alternative Swine Waste Technology Update; Regulatory Update; and Renewable Energy Grant Program. PowerPoint(s) available? Yes

For more information, contact: Diana Rashash 910-455-5873 diana_rashash@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Safe Operation of Swine Waste Management Systems	1.0	AB02130804	Classroom	2/13/2008

Participants learn the importance of worker safety in the operation of animal waste management systems. Agriculture is one of the most hazardous occupations in the United States with most accidents involving some type of machinery or equipment. Participants earn the importance of and safety procedures for the maintenance of lagoon embankments, operations of irrigation and land application equipment, and measuring and sampling lagoons. PowerPoint(s) available? Yes

For more information, contact: Todd See 919-515-2755 todd see@ncsu.edu

Reputation Management for the Pork Industry

1.0 AB02130803

Classroom

2/13/2008

Participants learn the importance of and how to take responsibility for the operations. The Pork Industry continues to be pressured to further minimize it's impact on air and water quality and reduce odor, as well as, address animal welfare issues. What areas of responsibility all pork producers need to accept and how to achieve these goals are discussed. Participants also learn the importance of communicating that they are following responsible practices for waste management and odor control that are regulated at the state and national level. PowerPoint(s) available? Yes

For more information, contact: *Todd See* 919-515-2755 todd_see@ncsu.edu

Cost Share Guidelines for SB1465 Animal Waste Management Initiative

1.0 AB02130802

Classroom

2/13/2008

Management Initiative

Participants learn the requirements of and cost share guidelines prepared for the SB1465 Animal Waste Management Initiative. PowerPoint(s) available? Yes

For more information, contact: Todd See 919-515-2755 todd_see@ncsu.edu

Change Over 25 Years in Efficiency, Composition, Nutrient Excretion and Odor of Pigs

1.0 AB02130801

Classroom

2/13/2008

Participants learn the results of a recent NCSU research study that evaluated the changes in efficiency, nutrient intake, nutrient excretion and odor over the period of time between 1980 and 2005. Changes in feeding practices and the genetic composition of the pigs produced were evaluated. Producers learn how changing diet composition, pelleting and improved genetics impacts the lean efficiency of the pig and the nutrient stream and odor from the farm. PowerPoint(s) available? Yes

For more information, contact: Todd See 919-515-2755 todd_see@ncsu.edu

Sludge Management - Dewatering

0.5 AB01310802

Classroom 1/

1/31/2008

Participants learn how to utilize sludge dewatering as a method to reduce costs associated with sludge removal. Design, process, characteristics of finished product, and costs of process are discussed with participants. PowerPoint(s) available? Yes

For more information, contact: Wayne Batten 910-259-1235 Wayne Batten@ncsu.edu

Land Application BMP's and Inspection Update

1.0

AB01310801

Classroom

1/31/2008

This training provides farmers with information on best management practices the inspection process. Topics: Land Application BMP's (AB02180219); Swine Farm Inspection Update (AB11290402). PowerPoint(s) available? Yes

For more information, contact: Becky Spearman 910-862-4591 becky_spearman@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Forage Management for Sprayfields	1.5	AB01160801	Classroom	1/16/2008
This training discusses weed control, weed idenstand decrease. The focus is on bermudagrass savailable? Yes	•			
For more information, contact: Amanda Hatch	er 910-29	6-2143 amanda	_hatcher@ncsu.e	edu
Crop Management in a Dry Year	1.0	AB12040702	Classroom	12/4/2007
This training is intended to assist producers in management plans. PowerPoint(s) available?	naking wise	cropping decisions	on fields in their	waste
For more information, contact: Eve Honeycutt	252-747-5	5831 eve_honey	cutt@ncsu.edu	
Mortality Composting	1.0	AB12040701	Classroom	12/4/2007
Financial and management considerations wher management. PowerPoint(s) available?	n using mort	ality composting a	as an option for m	nortality
For more information, contact: Eve Honeycutt	252-747-5	5831 eve_honey	cutt@ncsu.edu	
Understanding Toxic Plants in Pastures	2.0	AB10290701	Classroom	10/29/2007
This training is intended to help animal waste op high quality product for their livestock and prod PowerPoint(s) available? Yes	-			•
For more information, contact: Tyrone Fisher	252-257-36	540 tyrone_fishe	er@ncsu.edu	
Building a Grazing System and Seeded Bermudagrass Establishment and Management	2.0	AB10250701	Classroom	10/25/2007
This training covers how the soil, plant, and aning Characteristics of successful graziers; "Transition and yield data; Nitrogen rate, yield, digestibility,	n Zone" and	growing cool seas	son and warm sea	son forages; Varie
For more information, contact:				
Animal Mortality Management Field Day	3.0	AB10020701	Field Day	10/2/2007
Producers and license-holders learn about comp Air Composting Facility - Sow Operation; Broiler PowerPoint(s) available?	_		-	•
For more information, contact: Bill Bailey 91	0-259-9123	bill.bailey@nc.u	ısda.gov	

Animal waste operators learn management techniques to extend forage resources in periods of drought. Topics: Introduction to Drought Management and planning; Cow Culling Strategies; Feeding alternative forages to cattle; Baling strategies and storage recommendations; Testing Procedures and Nitrate Monitoring in forages; Monitoring bale temperature and moisture; Economic Considerations in drought management decision making; Baling Demonstration in field. PowerPoint(s) available?

For more information, contact: Eileen Coite 919-731-1520 eileen_coite@ncsu.edu

	Hours	ID#	Format	Approved Date
Litter Spreader Calibration Workshop	3.0	AB08130701	Field Day	8/13/2007
At this field day animal waste operators learn mat desired agronomic rates. Topics: Current regulation equipment and evaluating spread patterns and litter. PowerPoint(s) available?	ulations reg	arding spreading; I	Making adjustmer	nts to spreading
For more information, contact: James Parsons	910-296-	2143 James_Pai	rsons@ncsu.edu	
Pilot Program Update and Review: Innovative Waste Systems	2.0	AB07270701	Classroom	7/25/2007
Innovative Waste Systems & their funding; Police Temporary Adjustments, Sludge Survey Exempt PowerPoint(s) available?	-			
For more information, contact: Phyllis Creech-C	Greene 91	10-641-3996 phy	llis_creech@ncsu.	.edu
BMPs for Coastal Plain Beef Production	0.5	AB06220702	Field Excercise	6/22/2007
This training covers specifics of weed control in maintaining a pure stand of forages in their was provided by their waste management systems.	te plan and PowerPoir	optimizing production of the p	ction, while utilizin	
For more information, contact: Eileen Coite	919-731-15	320 eileen_coite(@ncsu.edu	
Pasture Field Day	2.5	AB06220701	Field Day	6/22/2007
rasture rielu Day				0/22/2007
This training is intended to help producers manataking a soil sample and reading a report; prope	_		-	and protocols;
This training is intended to help producers mana	r calibratio	n of pesticide equi	-	and protocols; int(s) available?
This training is intended to help producers manataking a soil sample and reading a report; proper For more information, contact: Amanda Hatch Overview of Lagoon Effluent Application	r calibratio	n of pesticide equi	pment. PowerPo	and protocols; int(s) available?
This training is intended to help producers manataking a soil sample and reading a report; proper For more information, contact: Amanda Hatch Overview of Lagoon Effluent Application	er 910-29 1.0 Dlying lagoo one to redu	n of pesticide equi 26-2143 amanda AB01160702 n effluent result in the codor and amm	pment. PowerPo _hatcher@ncsu.e Classroom differing levels of	and protocols; int(s) available? du 1/16/2007 f odor and
This training is intended to help producers many taking a soil sample and reading a report; proper For more information, contact: Amanda Hatch Overview of Lagoon Effluent Application Methods on Odor and Ammonia Emissions Participants learn how different methods of applications. In addition, what can be different of application method are presented. Powers.	er 910-29 1.0 Dlying lagoo one to redu	n of pesticide equi 26-2143 amanda AB01160702 n effluent result in the codor and amm	pment. PowerPo _hatcher@ncsu.e Classroom differing levels of onia emission from	and protocols; int(s) available? du 1/16/2007 f odor and

Participants learn the most current scientific information available regarding the use of biological additives to aid in lagoon functionality and the management of sludge and odor. PowerPoint(s) available? Yes

For more information, contact: *Todd See* 919-515-2755 todd_see@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Pasture Management and Weed Identification	1.0	AB01050704	Classroom	1/5/2007
This training discusses how producers can man livestock, and lower the overall quality of pastudentifying common weeds; Controlling weeds herbicides. PowerPoint(s) available? Yes	res. Topics:	Pasture Managem	ent and Weed Ide	entification;
For more information, contact:				
Hay Selection and Hay Quality	1.5	AB01050703	Classroom	1/5/2007
the forage analysis report and then be able to understanding the nutrient needs of your characteristics of various types of hay; Underst Important thoughts to consider as a buyer or pushes. PowerPoint(s) available? Yes	animal; Selo anding hay o	ecting the right had quality and knowin	to fit those need g how to select fo	ls; Qualities and or high quality hay;
For more information, contact:				
Managing Alligatorweed in Pastures and Sprayfields	1.0	AB01030702	Classroom	1/3/2007
This training discusses ways to control Alligator sprayfields, so that producers do not lose spray Alligatorweed in Pastures & Sprayfields; Means PowerPoint(s) available? Yes	able acreag	e from waste plans	s. Topics: Identific	ation of
For more information, contact: Amanda Hatch	ner 910-29	96-2143 amanda	_hatcher@ncsu.e	edu
Studge Cuminu and December	1.0	AB01020701	Classroom	1/2/2007
Sludge Survey and Records				
This course teaches producers how to conduct Topics: Reasons for Sampling; Sampling Proced	_	•		
This course teaches producers how to conduct	lure; Compl	leting Paperwork.		
This course teaches producers how to conduct Topics: Reasons for Sampling; Sampling Proced For more information, contact: Heather Lifsey	lure; Compl	leting Paperwork.	PowerPoint(s) a	
Topics: Reasons for Sampling; Sampling Proced	252-482- 1.0	leting Paperwork. 6585 heather_lij AB12270601	PowerPoint(s) a sey@ncsu.edu Classroom	vailable? Yes 12/27/2006

NPDES Permit Renewal 1.0 AB12080602 Classroom 12/8/2006

Topics: Changes in the NPDES permits; What permit holders need to consider when deciding which permit to choose. PowerPoint(s) available? Yes

For more information, contact: Becky Spearman 910-862-4591 becky_spearman@ncsu.edu

Title	Hours	ID#	Format	Approved Date
2T Waste Regulations Update	2.0	AB12080601	Classroom	12/8/2006
Explanation and overview of 2T regulations: Where the control of t		-		
For more information, contact: Keith Larick	919-715-66	97 Keith.Larick@	ncdenr.gov	
NRCS Cost-Share Opportunities	0.5	AB11190603	Classroom	11/19/2006
PowerPoint(s) available?				
For more information, contact: Eve Honeycutt	252-747-	5831 eve_hone	vcutt@ncsu.edu	
Swine Lagoon Sludge Measurement Technology	0.5	AB11130602	Field Demonstration	11/13/2006
This training demonstrates the remote controlle	ed boat me	thod of measuring	sludge. PowerPoi	int(s) available?
For more information, contact: Diana Rashash	910-455	-5873 diana_ras	hash@ncsu.edu	
Soil Sampling and Interpretation	1.0	AB11060601	Classroom	11/6/2006
PowerPoint(s) available? Yes				
For more information, contact: Richard Melton	n 704-28.	3-3738 richard_	melton@ncsu.edu	
Forages for Waste Utilization	1.0	AB11010602	Classroom	11/1/2006
Topics: Why forages used for waste utilization; I Hay/Haylage; Growth seasons for forages - Cool Advantages/Disadvantages; Warm Season Forage Systems. PowerPoint(s) available? Yes	Season ve	rsus Warm Season	; Cool Season Fora	ges - Types and
For more information, contact: Richard Melton	n 704-28.	3-3738 richard_	melton@ncsu.edu	
Winterization and Maintenance of Irrigation Equipment	1.0	AB01079805	Field Demonstration	1/14/1998
This training covers the operation and maintena Actual equipment should be present to demons	_			
training is available. PowerPoint(s) available?				
	919-341-9	383 David_Crou	se@ncsu.edu	

Topics of this training are: Nitrate Toxicity: Causes, Symptoms, and Treatment; Demonstration of Hay Sampling; Examples of Hay Analysis Reports; and Recommended Forage Crop Management to Reduce the Risk of Nitrate Toxicity. PowerPoint(s) available? Yes

For more information, contact: Lara Worden 704-922-2118 lara_worden@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Alternatives for Lagoon Cleanout and Closure	0.5	AB120706	605 Classroom	12/7/2006
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 dian	a_rashash@ncsu.edu	
Sludge Clean Out and Land Application Options	0.5	AB120706	604 Classroom	12/7/2006
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 dian	a_rashash@ncsu.edu	
Super Soil System for Animal Waste Treatment	0.5	AB120706	603 Classroom	12/7/2006
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 dian	a_rashash@ncsu.edu	
Ammonia Emissions from Land Application	0.5	AB120706	602 Classroom	12/7/2006
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 dian	a_rashash@ncsu.edu	
Sludge Additive Options	0.5	AB120706	601 Classroom	12/7/2006
PowerPoint(s) available? Yes				
For more information, contact: Diana Rashash	910-455	-5873 dian	a_rashash@ncsu.edu	
Producing Energy from Swine Waste	0.5	AB111906	606 Classroom	11/19/2006
PowerPoint(s) available? Yes				
For more information, contact: Eve Honeycutt	252-747-	5831 eve_	honeycutt@ncsu.edu	
Vermicomposting for Waste Management	0.5	AB111906	Classroom	11/19/2006
PowerPoint(s) available?				
For more information, contact: Eve Honeycutt	252-747-	5831 eve_	honeycutt@ncsu.edu	
Legislative Update	0.5	AB111906	604 Classroom	11/19/2006
PowerPoint(s) available?				
For more information, contact: Eve Honeycutt	252-747-	5831 eve_	honeycutt@ncsu.edu	
Alternative Waste Handling Methods Tour	6.0	AB092006	002 Tour	9/20/2006

This tour of dairy farms in Lincoln and Catawba counties focuses on alternative methods of handling animal waste, mostly in the form of grazing management: stocktrails, intensive grazing paddock layout, watering systems to optimize waste distribution and minimize cow travel, buffer strips, waste collection systems, BMPs for collection and distribution of animal waste. Also touches on calibration of different waste application systems. PowerPoint(s) available?

For more information, contact: Marti Day 919-542-8202 marti_day@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Weed Management in NC	2.0	AB09180601	Classroom	9/18/2006
This training covers the following topics: For Herbicides; What are Advantages of Early Work PowerPoint(s) available? Yes				
For more information, contact:				
End of Summer Field Day, Part 2	3.0	AB09070603	Field Day	9/7/2006
Topics include: 1) Fall Sprayfield Managemer and management; 2) Understanding Forage analysis report including a worksheet for probrief discussion of the final research of the S inspection issues (NOV, NOD) as reported by	Analysis Repor oducers to test mithfield agre o DWQ in Lenoi	ts - a detailed desc their skills; 3) Upda ement; and 4) DWG ir and Greene coun	ription of the ind ate on the Smithf Q Swine Inspectio ties. PowerPoin	icators in a forage ield Agreement - a n Update - covers
For more information, contact: Eve Honeyco	utt 252-747-	5831 eve_honey	cutt@ncsu.edu	
End of Summer Field Day, Part 1	3.0	AB09070602	Field Day	9/7/2006
•			•	
This on-farm training demonstrates irrigation issues/problems related to sludge and calibra general permit and NPDES permits. PowerP For more information, contact: Eve Honeyon	n calibration ar ation are discu Point(s) availab	nd sludge survey. N issed, as well as ho le?	ew and emerging	g regulatory
This on-farm training demonstrates irrigation issues/problems related to sludge and calibring general permit and NPDES permits. PowerP For more information, contact: Eve Honeyout Lagoon Sludge Management and Removal	n calibration ar ation are discu Point(s) availab	nd sludge survey. N issed, as well as ho le?	lew and emerging w these issues di	g regulatory
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerP For more information, contact: Eve Honeyout Lagoon Sludge Management and Removal	n calibration ar ation are discu Point(s) availab utt 252-747-	nd sludge survey. N ssed, as well as ho le? 5831 eve_honey	lew and emerging w these issues did cutt@ncsu.edu	g regulatory ffer between the
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerP For more information, contact: Eve Honeyout Lagoon Sludge Management and Removal Options	n calibration ar ation are discu Point(s) availab utt 252-747- 1.0	nd sludge survey. N issed, as well as ho le? 5831 eve_honey AB06050601	lew and emerging w these issues did cutt@ncsu.edu	g regulatory ffer between the 6/4/2006
This on-farm training demonstrates irrigation issues/problems related to sludge and calibr general permit and NPDES permits. PowerP For more information, contact: Eve Honeyon Lagoon Sludge Management and Removal Options PowerPoint(s) available? For more information, contact: Becky Spear	n calibration ar ation are discu Point(s) availab utt 252-747- 1.0	nd sludge survey. N issed, as well as ho le? 5831 eve_honey AB06050601	lew and emerging withese issues did cutt@ncsu.edu Classroom	g regulatory ffer between the 6/4/2006
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerP For more information, contact: Eve Honeyout Lagoon Sludge Management and Removal Options PowerPoint(s) available?	n calibration are discursion are discussion are dis	nd sludge survey. Notes that show that seed, as well as how the seed, as well as how the seed, as well as how the seed, as well as how the seed, as well as the seed, as well as the seed, as well as how the seed, as well as the seed, as well a	lew and emerging withese issues did cutt@ncsu.edu Classroom cearman@ncsu.ed Classroom n order to stay in	g regulatory ffer between the 6/4/2006 du 8/10/2006
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerPror more information, contact: Eve Honeyout Lagoon Sludge Management and Removal Options PowerPoint(s) available? For more information, contact: Becky Spear Managing Bermudagrass Sprayfields This training provides information on how to NC regulations and maximize the forage process.	n calibration are discursion are discussion are dis	nd sludge survey. Notes that show that seed, as well as how the seed, as well as how the seed, as well as how the seed, as well as how the seed, as well as the seed, as well as the seed, as well as how the seed, as well as the seed, as well a	lew and emerging withese issues did cutt@ncsu.edu Classroom cearman@ncsu.ed Classroom n order to stay in e? Yes	g regulatory ffer between the 6/4/2006 du 8/10/2006
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerPror more information, contact: Eve Honeyon Lagoon Sludge Management and Removal Options PowerPoint(s) available? For more information, contact: Becky Spear Managing Bermudagrass Sprayfields This training provides information on how to NC regulations and maximize the forage processor for more information, contact: Tim Hall Spear more information more information, contact: Tim Hall Spear more information more information, contact: Tim Hall Spear more information	n calibration are ation are discurdent(s) availabrated at 252-747-1.0 rman 910-86 1.0 o manage pasted duction. Pow	nd sludge survey. Notes and sludge survey. Notes and hayfields in the survey. Notes and hayfields in the survey. Notes and hayfields in the survey.	lew and emerging withese issues did cutt@ncsu.edu Classroom cearman@ncsu.ed Classroom n order to stay in e? Yes	g regulatory ffer between the 6/4/2006 du 8/10/2006
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerProceed Proceedings of the proceeding of	n calibration are ation are discurded in a count (s) available at the count	nd sludge survey. Notes and sludge survey. Notes and hayfields it im.hall@ncagr. AB08100606	lew and emerging withese issues did cutt@ncsu.edu Classroom Classroom n order to stay in e? Yes gov Classroom	g regulatory ffer between the 6/4/2006 du 8/10/2006 compliance with
This on-farm training demonstrates irrigation issues/problems related to sludge and calibrate general permit and NPDES permits. PowerPror For more information, contact: Eve Honeyon Lagoon Sludge Management and Removal Options PowerPoint(s) available? For more information, contact: Becky Spear Managing Bermudagrass Sprayfields This training provides information on how to NC regulations and maximize the forage processor for more information, contact: Tim Hall States of Forages Insect Pests of Forages This training discusses controlling insects to the section of the s	n calibration are ation are discurded in a count (s) available at the count	nd sludge survey. Notes as well as hotele? 5831 eve_honey AB06050601 62-4591 becky_sp AB08100608 ures and hayfields in terPoint(s) available tim.hall@ncagr. AB08100606 hy forage stands. P	lew and emerging withese issues did cutt@ncsu.edu Classroom Classroom n order to stay in e? Yes gov Classroom	g regulatory ffer between the 6/4/2006 du 8/10/2006 compliance with

This training teaches producers how to properly take a forage sample and interpret the report so they know the nutritional value and nitrate amounts in hay. Topics covered: How to take a forage sample, Why submit samples, and Interpreting the report. PowerPoint(s) available? Yes

For more information, contact: Heather Lifsey 252-482-6585 heather_lifsey@ncsu.edu

Title	Hours	ID#	Format	Approved Date
orage Management	1.5	AB08100604	Classroom	8/10/2006
This training discusses how to manage forage cr explains that the way forage is utilized (hay vs. & (less if grazed). Topics covered: Grazing versus h Compliance with permit requirements, Haylage, PowerPoint(s) available? Yes	grazing) det naying, Gra	termines field availa zing height, Rotatio	ability and affects onal grazing, Graz	ing/haying curve,
For more information, contact: Heather Lifsey	252-482-	6585 heather_lif	sey@ncsu.edu	
Weed ID and Control	1.0	AB08100603	Classroom	8/10/2006
This training is intended to help producers correfor use in pastures. Topics covered: weed ident herbecides labeled for use in pastures and spray	ification, p	oisonous plants, int	terpreting herbed	ide labels,
For more information, contact: Heather Lifsey	252-482-	.6585 heather_lif	sey@ncsu.edu	
orage Establishment	1.5	AB08100602	Classroom	8/10/2006
This training is intended to convey the importar Topics covered: forage identification, timing of preq. for grazing species, rest periods, buying see spraying. PowerPoint(s) available? Yes	planting, pr	inciples of plant gr	owth, layout and	design (acreage
For more information, contact: Heather Lifsey	252-482-	6585 heather_lif	sey@ncsu.edu	
oil Sampling and Interpretation	0.5	AB08100601	Classroom	8/10/2006
This class instructs farmers in the proper way to covered: why soil sample?, proper method of sa	-		•	•
For more information, contact: Heather Lifsey	252-482-	6585 heather_lif	sey@ncsu.edu	
Need Management in Forages	1.0	AB03230603	Classroom	3/22/2006
This presentation discusses various weed control information to get ready for the spring growing	-			oducers need this
For more information, contact: Eve Honeycutt	252-747-	-5831 eve_honey	cutt@ncsu.edu	
Jnderstanding the Fine Print in Your Farm	1.0	AB03230602	Classroom	3/15/2006

Swine producers are faced with several tasks during the year to complete in order to be in compliance with their farm permit, such as calibrations, sludge surveys, updating waste management plans, preparing for hurricanes, and record keeping. This presentation outlines these tasks and the responsibilities associated with them. PowerPoint(s) available? Yes

For more information, contact: Eve Honeycutt 252-747-5831 eve_honeycutt@ncsu.edu

Upda	atea Augus			
Title	Hours	ID#	Format	Approved Date
BMP's and Cost Share Options	1.0	AB03230601	Classroom	3/15/2006
Many producers do not implement BMP's becaproducers understand the importance of BMP BMP implementation are discussed. PowerPo	's on a hog fa	ırm. Cost share op	_	•
For more information, contact: Eve Honeycut	t 252-747-	5831 eve_honey	cutt@ncsu.edu	
Weed Identification and Management	1.0	AB03130601	Classroom	3/13/2006
This training covers weed identification and m grazing land for livestock and horses. PowerP	_		nelp producers ma	anage hay fields o
For more information, contact:				
Aanaging Bermudagrass Sprayfields	1.0	AB03010604	Classroom	3/1/2006
between hybrid and seeded bermuda varieties experiences with those varieties. It also covers reports from several farms in the county with with high soil pH, and addresses water quality available?	s managemer high soil pH p	nt of certain bermu problems, discusse	da varieties, revious the opportunities	ews soil and waste es and limitations
experiences with those varieties. It also covers reports from several farms in the county with with high soil pH, and addresses water quality available? For more information, contact: Becky Spearm	s managemer high soil pH p issues relate nan 910-86	nt of certain bermu problems, discussed d to well water and 2-4591 becky_sp	da varieties, revions the opportunities diagoon water. Diederman@ncsu.ed	ews soil and wasto es and limitations PowerPoint(s) du
experiences with those varieties. It also covers reports from several farms in the county with with high soil pH, and addresses water quality available? For more information, contact: Becky Spearm uture of Manure Management in NC This presentation summarizes promising techr Foods/Premium Standard Farms/Frontline Far will be used to shape future manure managem	s managemer high soil pH p issues relate nan 910-86 1.0 nologies for w mers/Attornant program	nt of certain bermu problems, discussed d to well water and 2-4591 becky_sp AB03010603 waste management ey General agreem as in North Carolina	da varieties, revious the opportunities the opportunities diagoon water. classroom as determined beent and discusses a. PowerPoint(s)	ews soil and wasters and limitations PowerPoint(s) du 3/1/2006 y the Smithfield s how these result
experiences with those varieties. It also covers reports from several farms in the county with with high soil pH, and addresses water quality available? For more information, contact: Becky Spearm uture of Manure Management in NC This presentation summarizes promising techr Foods/Premium Standard Farms/Frontline Far will be used to shape future manure managem For more information, contact: Todd See 93	s managemer high soil pH p issues relate nan 910-86 1.0 nologies for w mers/Attorn nent program	nt of certain bermu problems, discussed d to well water and 2-4591 becky_sp AB03010603 waste management ey General agreem is in North Carolina todd_see@ncsus	cla varieties, revious the opportunities the opportunities of lagoon water. Classroom as determined beent and discusses on. PowerPoint(s)	ews soil and waste es and limitations PowerPoint(s) du 3/1/2006 y the Smithfield s how these result available? Yes
experiences with those varieties. It also covers reports from several farms in the county with with high soil pH, and addresses water quality available? For more information, contact: Becky Spearm uture of Manure Management in NC This presentation summarizes promising techr Foods/Premium Standard Farms/Frontline Far will be used to shape future manure managem	s managemer high soil pH prissues relate and 910-86 1.0 nologies for waters/Attornater program 19-515-2755 1.0 tory program cific topics in less. The researce nutrients and powerPoint(s	ant of certain bermuloroblems, discussed to well water and 2-4591 becky_sp. AB03010603 Waste management bey General agreement in North Carolina todd_see@ncsus. AB03010602 Is as they relate to be clude whole-farm in the control of their impact on available? Yes	classroom classr	ews soil and wasters and limitations PowerPoint(s) du 3/1/2006 y the Smithfield show these result available? Yes 3/1/2006 cousses air qualityment strategies, acterization and

This presentation discusses NRCS standards for swine manure management. Specifically, it addresses historica and current technical standards and how they were determined, as well as information detailing how these standards have and will continue to evolve. PowerPoint(s) available? Yes

For more information, contact: Todd See 919-515-2755 todd_see@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Technology and Waste Management - Making Them Work Together	2.0	AB02070601	Classroom	2/7/2006
This training provides producers with the ins-ar computerized tools that can make waste manalalso covered. PowerPoint(s) available?		_	-	•
For more information, contact: Eve Honeycutt	252-747-	5831 eve_honey	cutt@ncsu.edu	
Bermudagrass Management: Insect Control	1.0	AB12300501	Video	10/31/2005
This video provides information about controll PowerPoint(s) available?	ing insects i	n bermudagrass, w	hich is critical to i	maximizing yield.
For more information, contact: Eileen Coite	919-731-15	520 eileen_coite@	@ncsu.edu	
Farm Record Management	0.5	AB11170501	Classroom	11/17/2005
This training introduces and demonstrates the program for producers. PowerPoint(s) available		RM (Farm Record N	/Janagement), a c	omputer software
For more information, contact: Amanda Hatch	ner 910-25	96-2143 amanda	_hatcher@ncsu.e	edu
Alternative Lagoon Closure Methods	0.5	AB10310503	Classroom	10/31/2005
Alternative Lagoon Closure Methods This is a 0.5 hour segment of the 2005 Animal Navailable?				10/31/2005 PowerPoint(s)
This is a 0.5 hour segment of the 2005 Animal V	Waste Mana	gement Symposiur		
This is a 0.5 hour segment of the 2005 Animal Navailable? For more information, contact: Diana Rashash Cost Analysis of Alternative Waste Management	Waste Mana	gement Symposiur	m (AB11070502).	
This is a 0.5 hour segment of the 2005 Animal Navailable?	Waste Mana 910-455 0.5	ngement Symposiun -5873 diana_rasi AB10310502	m (AB11070502). hash@ncsu.edu Classroom	PowerPoint(s) 10/31/2005
This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Diana Rashash Cost Analysis of Alternative Waste Management Systems Update This is a 0.5 hour segment of the 2005 Animal Vavailable?	Waste Mana 910-455 0.5	ngement Symposium -5873 diana_rasi AB10310502 ngement Symposium	m (AB11070502). hash@ncsu.edu Classroom m (AB11070502).	PowerPoint(s) 10/31/2005
This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Diana Rashash Cost Analysis of Alternative Waste Management Systems Update This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Kelly Zering	Waste Mana 910-455 0.5 Waste Mana	ngement Symposium -5873 diana_rasi AB10310502 ngement Symposium	m (AB11070502). hash@ncsu.edu Classroom m (AB11070502).	PowerPoint(s) 10/31/2005
This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Diana Rashash Cost Analysis of Alternative Waste Management Systems Update This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Kelly Zering	Naste Mana 910-455 0.5 Naste Mana 919-515-60 1.5 d how they between ha	AB10310502 agement Symposium AB10310502 agement Symposium By kelly_zering@ AB09290502 are influenced by f	m (AB11070502). hash@ncsu.edu Classroom m (AB11070502). Oncsu.edu Classroom ertilizers, natural	PowerPoint(s) 10/31/2005 PowerPoint(s) 9/29/2005 and chemical.
This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Diana Rashash Cost Analysis of Alternative Waste Management Systems Update This is a 0.5 hour segment of the 2005 Animal Vavailable? For more information, contact: Kelly Zering Special Topics, Forage This training discusses forage-related issues and Visual and chemical analyses and comparisons	Naste Mana 910-455 0.5 Naste Mana 919-515-60 1.5 d how they between had allable?	AB10310502 AB10310502 AB9 kelly_zering@ AB09290502 AB09290502 Are influenced by from the sprayed with animals.	m (AB11070502). hash@ncsu.edu Classroom m (AB11070502). Oncsu.edu Classroom ertilizers, natural	PowerPoint(s) 10/31/2005 PowerPoint(s) 9/29/2005 and chemical. y not sprayed with

This training demonstrates how BMPs affect nutrients, discusses different BMPs that farmers can use and how they protect the environment, and shows how nutrient management decision aids (NLEW and PLAT) help protect the environment. PowerPoint(s) available? Yes

For more information, contact: Becky Spearman 910-862-4591 becky_spearman@ncsu.edu

Title	Hours	ID#	Format	Approved Date
Hay Basics Part 2	1.5	AB09130501	Classroom	9/13/2005
This presentation is intended to help producer reports, and then use the information to meet storage to avoid hay spoilage and wastage are	the nutrient	needs of their he	rds. Different met	
For more information, contact:				
Weed Control Through Improved Pastures	2.0	AB08010501	Classroom	8/1/2005
This training covers the following topics: Weed Minimize Competition; Cultivars and Pest Com PowerPoint(s) available? Yes		- '	-	
For more information, contact: Carl McKnight	t 336-242-	-2082 cark_mck	night@ncsu.edu	
Hay Basics Part 1	1.5	AB07270501	Classroom	7/27/2005
This training covers the following topics: Under and maturity; and Plant maturity and its effect	_			gy; Plant growth
For more information, contact:				
Bermudagrass Management, Insect and Weed Control	2.0	AB07140503	Field Excercise	7/14/2005
This provides timely information on management		_		d fields. It also
provides tips on managing both weeds and inserved PowerPoint(s) available?		dadgi daa, willeli la		zing yield.
· · · · · · · · · · · · · · · · · · ·		-		zing yield.
PowerPoint(s) available? For more information, contact: Eileen Coite		-		7/14/2005
PowerPoint(s) available?	919-731-15 1.5 manage was	AB07140501 te, particularly fro	@ncsu.edu Classroom m swine, to reduc	7/14/2005
PowerPoint(s) available? For more information, contact: Eileen Coite Gasification of Animal Residues This training discusses ways for produceers to	919-731-15 1.5 manage was vaste. Powe	AB07140501 te, particularly froerPoint(s) available	@ncsu.edu Classroom m swine, to reduc	7/14/2005 e ammonia
PowerPoint(s) available? For more information, contact: Eileen Coite Gasification of Animal Residues This training discusses ways for produceers to emissions, and to reuse nutrients excreted in v	919-731-15 1.5 manage was vaste. Powe	AB07140501 te, particularly froerPoint(s) available	@ncsu.edu Classroom m swine, to reduce? Yes	7/14/2005 e ammonia
PowerPoint(s) available? For more information, contact: Eileen Coite Gasification of Animal Residues This training discusses ways for produceers to emissions, and to reuse nutrients excreted in v For more information, contact: Amanda Hatch	919-731-15 1.5 manage was vaste. Powe	AB07140501 te, particularly froerPoint(s) available	@ncsu.edu Classroom m swine, to reduce? Yes a_hatcher@ncsu.e	7/14/2005 e ammonia
PowerPoint(s) available? For more information, contact: Eileen Coite Gasification of Animal Residues This training discusses ways for produceers to emissions, and to reuse nutrients excreted in v For more information, contact: Amanda Hatca	919-731-15 1.5 manage was vaste. Powe	AB07140501 te, particularly froerPoint(s) available 96-2143 amando AB06170501	@ncsu.edu Classroom m swine, to reduce? Yes a_hatcher@ncsu.e	7/14/2005 e ammonia

This training covers soil sampling along with nutrient crop removal and its relevance to a waste management system. PowerPoint(s) available? Yes

For more information, contact: Deanna Osmond 919-515-7303 deanna_osmond@ncsu.edu

Title	Hours	ID#	Format	Approved Dat
Need Management in Forages	0.5	AB03160501	Classroom	3/16/2005
Many cattle producers in Wayne County are pastures. Several of these hay fields and pastongoing challenge to animal operators as the stand of grasses. Learning the latest product PowerPoint(s) available? Yes	tures are a par ey work to imp	t of their waste marrove the quality of	anagement plan. \ f forage produced	Weed control is ar and maintain a
For more information, contact: Eileen Coite	e 919-731-15	520 eileen_coite	@ncsu.edu	
Screening Plants for Livestock Operations	1.0	AB01260502	Classroom	1/26/2005
This training focuses on managing odor with selecting the proper plant and by following c sources; how odor works; BMPs; examples o plants; tips for choosing plants; and proper proper for more information, contact: Heather Life	correct planting of vegetative w planting and m	g and maintenance indbreaks; exampl aintenance. Powe	e techniques. Topi es and description	cs covered: odor
Spring Field Day	3.0	AB01260501	Field Day	1/26/2005
Topics include: Sludge Survey Methods and L Spring Weed ID and Control Methods; and W Honeycutt at 252-527-2191 or eve_honeycu For more information, contact: Eve Honeycu	Vaste Manager utt@ncsu.edu	ment Reminders. F PowerPoint(s) ava	or more informat	
Spring Weed ID and Control Methods; and W Honeycutt at 252-527-2191 or eve_honeycu	Vaste Manager utt@ncsu.edu	ment Reminders. F PowerPoint(s) ava	or more informat ailable?	
Spring Weed ID and Control Methods; and Website Honeycutt at 252-527-2191 or eve_honeycuth For more information, contact: Eve Honeycontrol Formation at the Legacy Sow	Vaste Manager utt@ncsu.edu utt 252-747- 1.0 make improven gement is one , efficient, and north Carolideo: Swine Mor	nent Reminders. F PowerPoint(s) ava 5831 eve_honey AB12300401 nents in the manag of the many challe safe from an envir na has focused on tality Composting	or more informat ailable? Video Gement and maint enges faced daily or commental and bid the advantages of at the Legacy Sow	12/30/2004 tenance of their on a swine farm. esecurity standpoint fusing composting Farm is an
Spring Weed ID and Control Methods; and Weed ID and Control III and Weed ID and Control III and Weed III an	Vaste Manager att@ncsu.edu Lutt 252-747- 1.0 make improven gement is one , efficient, and north Caroli deo: Swine Morto learning about to learning about the second sec	nent Reminders. F PowerPoint(s) ava 5831 eve_honey AB12300401 nents in the manag of the many challe safe from an envir na has focused on tality Composting out composting adv	or more informat ailable? Video Gement and maint anges faced daily commental and bic the advantages of at the Legacy Sow vantages to swine	12/30/2004 tenance of their on a swine farm. esecurity standpoint fusing composting Farm is an
Spring Weed ID and Control Methods; and We Honeycutt at 252-527-2191 or eve_honeycut for more information, contact: Eve Honeycut swine Mortality Composting at the Legacy Sow Farm Swine producers are continually looking to me production facilities. Animal mortality management must be economical, Research in various states, including Ohio and as a mortality management method. The vide example of the research projects dedicated to PowerPoint(s) available? For more information, contact: Eileen Coited	Vaste Manager att@ncsu.edu Lutt 252-747- 1.0 make improven gement is one , efficient, and north Caroli deo: Swine Morto learning about to learning about the second sec	nent Reminders. F PowerPoint(s) ava 5831 eve_honey AB12300401 nents in the manag of the many challe safe from an envir na has focused on tality Composting out composting adv	or more informat ailable? Video Gement and maint anges faced daily commental and bic the advantages of at the Legacy Sow vantages to swine	12/30/2004 tenance of their on a swine farm. esecurity standpoing to some stand of the stand of
Spring Weed ID and Control Methods; and Weed ID and Control Eve Honeyout For more information, contact: Eve Honeyout Information Swine Mortality Composting at the Legacy Sow Farm Swine producers are continually looking to method production facilities. Animal mortality management must be economical, Research in various states, including Ohio and as a mortality management method. The vide example of the research projects dedicated to PowerPoint(s) available?	Vaste Manager att@ncsu.edu autt 252-747- 1.0 make improven gement is one , efficient, and north Caroli deo: Swine Morto learning about 1.0 sludge removal	ment Reminders. F. PowerPoint(s) available. S831 eve_honey AB12300401 ments in the managof the many challes afe from an environa has focused on tality Composting advantage of the many challes of the many challes after the many	or more informated in informat	12/30/2004 tenance of their on a swine farm. osecurity standpoi f using composting Farm is an producers.
Spring Weed ID and Control Methods; and We Honeycutt at 252-527-2191 or eve_honeycut for more information, contact: Eve Honeycut for more information, contact: Eve Honeycut for more information, contact: Eve Honeycut for more information at the Legacy Sow form Swine Mortality Composting at the Legacy Sow form Swine producers are continually looking to mean production facilities. Animal mortality management mortality management must be economical, Research in various states, including Ohio and as a mortality management method. The vide example of the research projects dedicated to PowerPoint(s) available? For more information, contact: Eileen Coites followed the Eileen Coites followed	Vaste Manager att@ncsu.edu autt 252-747- 1.0 make improven gement is one , efficient, and north Caroli deo: Swine Morto learning about 1.0 sludge removal ble?	ment Reminders. F. PowerPoint(s) available. For an analysis of the many challes afe from an environa has focused on tality Composting advantage of the many challes after the many challes for an environa has focused on tality Composting advantage of the many challes for an environa has focused on tality Composting advantage of the many challes for the many challes	or more informated in informat	12/30/2004 tenance of their on a swine farm. osecurity standpoi f using composting Farm is an producers.
Spring Weed ID and Control Methods; and We Honeycutt at 252-527-2191 or eve_honeycut for more information, contact: Eve Honeycut for more information, contact: Eve Honeycut for more information, contact: Eve Honeycut for more information at the Legacy Sow form Swine Mortality Composting at the Legacy Sow form Swine producers are continually looking to mean production facilities. Animal mortality management must be economical, Research in various states, including Ohio and as a mortality management method. The vide example of the research projects dedicated to PowerPoint(s) available? For more information, contact: Eileen Coites for more information, contact: Eileen Coites for more information and Application This training covers vital information about so removal action plans. PowerPoint(s) availables	Vaste Manager att@ncsu.edu autt 252-747- 1.0 make improven gement is one , efficient, and north Caroli deo: Swine Morto learning about 1.0 sludge removal ble?	ment Reminders. F. PowerPoint(s) available. For an analysis of the many challes afe from an environa has focused on tality Composting advantage of the many challes after the many challes for an environa has focused on tality Composting advantage of the many challes for an environa has focused on tality Composting advantage of the many challes for the many challes	veutt@nesu.edu Video gement and maint enges faced daily commental and bio the advantages of at the Legacy Sow vantages to swine @nesu.edu Classroom nose who have to	12/30/2004 tenance of their on a swine farm. osecurity standpoi f using composting Farm is an producers.

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Title	Hours	ID#	Format	Approved Date
Waste Holding Pond Maintenance	0.5	AB10130405	Field Demonstration	10/13/2004
PowerPoint(s) available?				
For more information, contact: David Crouse	919-341-9	383 David_Cro	ıse@ncsu.edu	
Liquid and Solid Spreader Calibration	3.0	AB10130404	Field Demonstration	10/13/2004
This field excercise covers traveling gun irrigation sampling and interpretation. Actual operating excollection for calibration of irrigation systems at to discuss soil and waste interpretations. Power	equipment is and honeywa	s used and partici _l agons. Example w	oants are required t	to assess field dat
For more information, contact: David Crouse	919-341-9	າ383 David_Croເ	ıse@ncsu.edu	
Solid Set Evaporative Treatment for Waste Treatment Lagoons	1.0	AB10130402	Classroom	10/13/2004
This training explains the evaporation process f training. PowerPoint(s) available?	for reducing	lagoon liquids. A	video is presented a	as part of the
For more information, contact: James Parsons	s 910-296-	-2143 James_Pa	rsons@ncsu.edu	
Irrigation Calibration with the Flow Meter on a Traveling Gun System	1.0	AB09180401	Field Excercise	9/18/2004
This training discusses the importance of calibr flow meter on a traveling gun system. Calculati PowerPoint(s) available?			_	•
	. 252 747	5024	ycutt@ncsu.edu	
For more information, contact: Eve Honeycutt	252-747-	5831 eve_none	ycutt@ncsu.euu	
Implications of the Air Emissions Consent	1.0	AB09150408	Meeting	9/15/2004
For more information, contact: Eve Honeycutt Implications of the Air Emissions Consent Agreement PowerPoint(s) available?				9/15/2004
Implications of the Air Emissions Consent Agreement	1.0	AB09150408		9/15/2004
Implications of the Air Emissions Consent Agreement PowerPoint(s) available? For more information, contact: Tommy Stever	1.0	AB09150408	Meeting	9/15/2004 9/15/2004
Implications of the Air Emissions Consent Agreement PowerPoint(s) available? For more information, contact: Tommy Stever	1.0 1.0 1.0 g with animal discussion	AB09150408 1-0361 tommy@ AB09150404 al lagoon sludge. To on the closure processors.	Meeting Oncpork.org Classroom Topics include an exprocess and use of sp	9/15/2004 splanation of the
Implications of the Air Emissions Consent Agreement PowerPoint(s) available? For more information, contact: Tommy Stever Lagoon Sludge Options This training covers selected options for dealing encapsulated sludge project in Nash County an	1.0 1.0 1.0 g with animal discussion	AB09150408 1-0361 tommy@ AB09150404 al lagoon sludge. To the closure proportion on the closure proportion on the closure proportion of the closur	Meeting Oncpork.org Classroom Topics include an exprocess and use of sp	9/15/2004 splanation of the

This training covers all considerations concerning animal lagoon sludge. Topics addressed include sludge evaluation, sludge removal options, and land application techniques. PowerPoint(s) available? Yes

Title	Hours	ID#	Format	Approved Date
Irrigation Calibration with Flow Meter on a Solid Set System	1.0	AB09150401	Field Demonstration	9/15/2004
This training discusses the importance of calibra flow meter on a solid set system. Calculating unipowerPoint(s) available?			•	•

Calibration with a Flow Meter: Demonstration 2.5 AB07070401 Field 7/7/2004

Demonstration

This training is a demonstration of proper use of a flow meter in order to calibrate irrigation equipment that is used for wastewater application. The various attachments needed to hook up to different systems and pipe sizes are demonstrated. Equipment is brought up to full operation in order to achieve a calibration reading. The field demonstration is followed by a classroom discussion and a review of the documents needed to record the data that has been collected. PowerPoint(s) available?

For more information, contact:

System Tour

Hosedrag Applicator Demonstration and Stationary Gun Calibration Clinic	4.0	AB04120401	Field Excercise	4/12/2004
Shortened version of a 6.0 hour Land Application	Training Cen	ter field day.	PowerPoint(s) availat	ole?
For more information, contact: Diana Rashash	910-455-58	73 diana_ra	shash@ncsu.edu	
AW Solid Separator and Waste Treatment	1.5	AB04050402	Tour	4/5/2004

Alternative animal waste technologies are being researched throughout the state. The Todd Ballance Farm has successfully been operating with an alternative technology for three years. The technology involves a waste treatment system, composed of a solid separator, a clarifier, and an aerator. Advantages of the system include a 90% reduction of acreage needed for land application, and replacement of a lagoon management system. PowerPoint(s) available?

For more information, contact: Eileen Coite 919-731-1520 eileen_coite@ncsu.edu

Introduction to Animal Waste Composting 1.5 AB04050401 Tour 4/5/2004 Project

Disposal of animal mortality on swine farms is increasingly becoming a challenge for swine producers. Alternative methods of carcass disposal that are environmentally safe, as well as efficient for the farm are needed. The Todd Ballance Sow Farm has been researching an alternative method through composting for over 2 years, and research findings are ready to be shared with other producers through the demand for alternatives. PowerPoint(s) available?

For more information, contact: Eileen Coite 919-731-1520 eileen coite@ncsu.edu

Weed Identification and Control in Pastures and 1.0 AB03090401 Classroom 3/9/2004 Sprayfields

PowerPoint(s) available? Yes

For more information, contact: Joseph Knight 336-694-4158 ext 16 joey knight@ncsu.edu

Updated August 30, 2010					
Title	Hours	ID#	Format	Approved Date	
Alternative Waste Handling Tour	3.5	AB02200401	Tour	3/3/2004	
This tour is designed to show animal waste app versus land application. The other component of make animal waste applicators aware of the tre product with an agricultural lime credit of 60%. soil pH. PowerPoint(s) available?	of the tour i eatment pla	s the Lenoir munici nt's lime stabilized	pal waste treatm bio-solids. These	ent plant. This is t solids are a class	
For more information, contact: Seth Nagy 82	28-757-129	1 seth_nagy@nc	su.edu		
Forage Maintenance, Weed Control, and High Quality Hay	2.0	AB02020403	Classroom	2/2/2004	
Topics covered in this training program include: accumulation, grazing management, weed iden PowerPoint(s) available?					
For more information, contact: Amanda Hatch	er 910-2	96-2143 amanda	_hatcher@ncsu.e	edu	
Phosphorus and NC Soils	2.0	AB01080401	Classroom	1/8/2004	
PowerPoint(s) available? Yes					
For more information, contact: Deanna Osmor	nd 919-51	15-7303 deanna_	osmond@ncsu.e	du	
A Year Round Plan - Pasture Management	1.0	AB12310303	Classroom	12/31/2003	
The objectives of this training are to prepare pr understand seasonal pasture management; app importance of establishing a good stand. Powe	reciate we	ed control and fert	-		
For more information, contact: Eve Honeycutt	252-747-	-5831 eve_honey	cutt@ncsu.edu		
How Your Livestock and Horses See Your Pastures	1.0	AB12310302	Classroom	12/31/2003	
The objectives of this training are to equip prod grass pasture for optimum utilization by grazing types of hay; and appreciate the benefits of for available?	g animals; d	escribe qualities of	good hay and ide	entify different	
For more information, contact: Eve Honeycutt	252-747-	-5831 eve_honey	cutt@ncsu.edu		
Getting to Know Your Pastures	1.0	AB12310301	Classroom	12/20/2003	
The objectives of this training are to prepare pridentify 10 types of grasses and determine the to take a soil sample and how to interpret the r	best grasse:	s for their manager	ment situation; ar	•	
For more information, contact: Eve Honeycutt	252-747-	-5831 eve_honey	cutt@ncsu.edu		
<u></u>					
rrigation Calibration Tools	1.0	AB12030301	Classroom	11/5/2003	

For more information, contact: Eve Honeycutt 252-747-5831 eve_honeycutt@ncsu.edu

Title	Hours	ID#	Format	Approved Dat
Using Excel in Waste Management	0.5	AB12010301	Classroom	12/1/2003
PowerPoint(s) available?				
For more information, contact: Heather Lifsey	252-482-	6585 heather_lif	sey@ncsu.edu	
Lagoon Management Under Chronic Rainfall Condition	1.0	AB09230301	Classroom	9/23/2003
Most anaerobic wastewater lagoons are designed "chronic" rainfall can cause many lagoons to improblems and potential safety and environment lagoon levels are presented. PowerPoint(s) available.	oinge upon al problem	or enter the "red" s. Strategies to avo	zone which may	lead to regulatory
For more information, contact: Eileen Coite	919-731-15	:20 eileen_coite@	ncsu.edu	
Sludge Survey Methods for Anaerobic Lagoons	2.0	AB08280301	Classroom	10/20/2003
PowerPoint(s) available? Yes				
For more information, contact: Eileen Coite	919-731-15	i20 eileen_coite@	ancsu.edu	
Waste Managagement Rules and Regulations:	1.5	AB08080301	Classroom	8/8/2003
How to Comply				
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Forn			e; Update on Pho	sphorus
Topics: Meeting Compliance Standards; What to			e; Update on Pho	sphorus
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Forn			e; Update on Pho Workshop	7/7/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Forn For more information, contact:	ns. Powerf	Point(s) available?		
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Forn For more information, contact: Irrigation Calibration and Troubleshooting Workshop	ns. Powerf	Point(s) available? AB07070301		
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Forn For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse	2.0	Point(s) available? AB07070301	Workshop	7/7/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Forn For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse	2.0 919-341-9	Point(s) available? AB07070301 383 David_Crous	Workshop se@ncsu.edu	
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Form For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse Max-Q Fescue Field Tour	2.0 919-341-9	AB07070301 383 David_Crous	Workshop se@ncsu.edu	7/7/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Form For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse Max-Q Fescue Field Tour PowerPoint(s) available?	2.0 919-341-9 1.0	AB07070301 383 David_Crous	Workshop se@ncsu.edu Tour	7/7/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Form For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse Max-Q Fescue Field Tour PowerPoint(s) available? For more information, contact: Eve Honeycutt	2.0 919-341-9 1.0 252-747-	Point(s) available? AB07070301 383	Workshop se@ncsu.edu Tour cutt@ncsu.edu	7/7/2003 9/11/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Form For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse Max-Q Fescue Field Tour PowerPoint(s) available? For more information, contact: Eve Honeycutt Compliance-Enforcement Procedures PowerPoint(s) available?	2.0 919-341-9 1.0 252-747-	Point(s) available? AB07070301 383	Workshop se@ncsu.edu Tour cutt@ncsu.edu Classroom	7/7/2003 9/11/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Form For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse Max-Q Fescue Field Tour PowerPoint(s) available? For more information, contact: Eve Honeycutt Compliance-Enforcement Procedures PowerPoint(s) available?	2.0 919-341-9 1.0 252-747-	AB07070301 AB07010303 5831 eve_honey AB07010301	Workshop se@ncsu.edu Tour cutt@ncsu.edu Classroom	7/7/2003 9/11/2003
Topics: Meeting Compliance Standards; What to Assessments; and Review of NPDES Report Form For more information, contact: Irrigation Calibration and Troubleshooting Workshop PowerPoint(s) available? For more information, contact: David Crouse Max-Q Fescue Field Tour PowerPoint(s) available? For more information, contact: Eve Honeycutt Compliance-Enforcement Procedures PowerPoint(s) available? For more information, contact: Nancy Keith	2.0 919-341-9 1.0 252-747- 1.0	AB07070301 383 David_Crous AB07010303 5831 eve_honey AB07010301	Workshop se@ncsu.edu Tour cutt@ncsu.edu Classroom	7/7/2003 9/11/2003 7/1/2003

Title	Hours	ID#	Format	Approved Date
Environmental Management Systems for Pork Production	1.0	AB01170303	Classroom	1/17/2003
This presentation covers what is required to ac Pollution Prevention, how to participate in this management of swine farms. PowerPoint(s) a	s program, ai	nd best managem		
For more information, contact: Jamie Ragan	919-715-6	519 jamie.ragar	n@ncdenr.gov	
New Forages in Southeastern NC and Weed Control Options	1.5	AB01170301	Classroom	2/10/2003
PowerPoint(s) available?				
For more information, contact: Eileen Coite	919-731-15	520 eileen_coite	@ncsu.edu	
Field Calibration Procedures for Animal Wastewater	1.0	AB01090302	Field Excercise	2/10/2003
This training discusses why calibration is import of equipment wear. Participants perform calib	-			
For more information, contact: Eileen Coite	919-731-15	520 eileen_coite	@ncsu.edu	
NC Phosphorus Loss Assessment Tool	10.0	AB09190601	Classroom	9/13/2002
The revised NRCS Nutrient Management Stand on fields with high P loss potential and relies o technical specialists and others involved in ani implement the new standard. PowerPoint(s)	n PLAT to de mal waste m	termine the P loss	s potential. These s	essions provide
For more information, contact: David Crouse	919-341-9	383 David_Croเ	ıse@ncsu.edu	
Using the Internet in Waste Management	0.5	AB03200201	Classroom	4/29/2002
PowerPoint(s) available?				
For more information, contact: Heather Lifsey	y 252-482-	6585 heather_li	ifsey@ncsu.edu	
Mortality Management	1.5	AB02180230	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Croเ	ıse@ncsu.edu	
Emission Control Strategies for Land Application	1.0	AB02180228	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Croเ	ıse@ncsu.edu	

Title	Hours	ID#	Format	Approved Dat
Emission Control Strategies for Manure Storage Facilities	1.5	AB02180227	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Controlling Dust and Odor from Open Lot Livestock	1.5	AB02180226	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Emission Control Strategies for Building Sources	1.5	AB02180225	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Emissions from Animal Production Systems	1.5	AB02180224	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Land Application Equipment	2.0	AB02180223	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Land Application Records and Sampling	2.0	AB02180222	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Phosphorus Management for Agriculture and the Environment	2.0	AB02180221	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Selecting Land Application Site	1.0	AB02180220	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Land Application BMP'S	1.5	AB02180219	Classroom	3/7/2002
Training materials are available on CD. PowerF	Point(s) avai	lable?		
	919-341-9	383 David_Crou		

Title	Hours	ID#	Format	Approved Da
Manure Utilization Plans	2.0	AB02180218	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Soil Utilization of Manure	0.5	AB02180217	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Manure Treatment Options	2.0	AB02180216	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Operation and Maintenance of Manure Storage Facilities	2.0	AB02180215	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Manure Storage Construction and Safety	3.0	AB02180214	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Open Lot Runoff Management Options	1.5	AB02180213	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Sizing Manure Storage, Typical Nutrient Characteristics	3.0	AB02180212	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Planning and Evaluation of Manure Storage	1.5	AB02180211	Classroom	3/7/2002
Training materials are available on CD. Power	Point(s) avai	ilable?		
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Using Dietary and Management Strategies to Reduce Nutrient Excretion of Feedlot Cattle	1.0	AB02180210	Classroom	3/7/2002
Training materials are available on CD. Bower	Doint(s) ava:	ilahla?		

Training materials are available on CD. PowerPoint(s) available?

Title	Hours	ID#	Format	Approved Dat
Feeding Dairy Cows to Reduce Nutrient Excretion	2.0	AB02180209	Classroom	3/7/2002
Training materials are available on CD. PowerF	oint(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Cro	use@ncsu.edu	
Using Dietary Strategies to Reduce Nutrient Excretions in Poultry Manure and Litter	2.0	AB02180208	Classroom	3/7/2002
Training materials are available on CD. PowerF	oint(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Cro	use@ncsu.edu	
Reducing Nutrient Excretion and Odor of Pigs through Nutritional Means	2.0	AB02180207	Classroom	3/7/2002
Training materials are available on CD. PowerF	oint(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Cro	use@ncsu.edu	
Whole Farm Nutrient Planning	2.0	AB02180206	Classroom	3/7/2002
Training materials are available on CD. PowerF	oint(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Cro	use@ncsu.edu	
Principles of Environmental Stewardship	1.5	AB02180205	Classroom	3/7/2002
Training materials are available on CD. PowerF	oint(s) avai	lable?		
For more information, contact: David Crouse	919-341-9	383 David_Cro	use@ncsu.edu	
Low Odor - Low Drift Options for Animal Waste Irrigation	3.0	AB02180204	Field Excercise	3/7/2002
This training covers the use of low pressure noz close to the ground surface. Advantages/disadv center pivot and boom travelers. Windmeters a equipment compared to small and large impact available?	vantages of and weather	each are discusse stations are use	d. Equipment demo d to evaluate drift lo	nstrated include sses from this
For more information, contact: David Crouse	919-341-9	383 David_Cro	use@ncsu.edu	
	4.0	AB02180202	Classroom	3/7/2002
Lagoon Maintenance and Inspection	1.0			
Lagoon Maintenance and Inspection Training covers soil sampling along with nutrien PowerPoint(s) available?		oval and its releva	ince to a waste man	agement system
Training covers soil sampling along with nutrien	nt crop remo		ince to a waste man use@ncsu.edu	agement system
Training covers soil sampling along with nutrien PowerPoint(s) available?	nt crop remo			agement system 2/18/2002
Training covers soil sampling along with nutrien PowerPoint(s) available? For more information, contact: David Crouse	nt crop remo 919-341-9	383 David_Cro	use@ncsu.edu	

Title	Hours	ID#	Format	Approved Date
pring Pasture Establishment	2.0	AB01070205	Classroom	1/23/2002
This training is intended to help livestock production apply recommended fertilization rates. In additional familiar with proper liming and fertilization rates species. This class can help provide swine & live to establish a spring pasture based on best maspecies. PowerPoint(s) available?	ition to utilizi es based on t vestock produ nagement pr	ng soil tests and a carget pH and nut ucers with the opp actices and nutrie	inalysis, all produce rient requirements portunity to better int requirements of	ers must become of different learn why and ho
For more information, contact: Eileen Coite	919-731-152			
elt Manure Removal and Gasification System	1.0	AB01070203	Classroom	1/23/2002
PowerPoint(s) available?				
For more information, contact: <i>Todd See 91</i>	19-515-2755	todd_see@ncsu	.edu	
entralized System for Gasification for Energy nd Ash Recovery	1.0	AB01070202	Classroom	1/9/2002
PowerPoint(s) available?				
For more information, contact: <i>Todd See 91</i>	19-515-2755	todd_see@ncsu	.edu	
emposting and Incineration of Animal Mortality	1.0	AB09280101	Classroom	12/1/2001
PowerPoint(s) available?				
For more information, contact: Eve Honeycuti	t 252-747-5	5831 eve_honey	cutt@ncsu.edu	
eed Control in Pastures and Sprayfields	1.0	AB09050102	Field Excercise	12/1/2001
This field training provides information on mar addition, it provides tips on managing both we yield. PowerPoint(s) available?				
For more information, contact: Eileen Coite	919-731-152	20 eileen_coite	@ncsu.edu	
ermudagrass Management for Waste anagement Operators	2.5	AB06120102	Classroom	6/14/2001
This training is intended to help producers man	-	ol, sampling (soil,	waste, and forage)	, and harvesting
covers planting, fertilization/waste application also provides an opportunity to observe plots vavailable?	where variou:	s rates of filtroger		a. Towerromit
also provides an opportunity to observe plots v	where variou	s rates of filti ogei		a. Towerromit
also provides an opportunity to observe plots vavailable?	where various	AB06040101	Classroom	6/14/2001

Title	Hours	ID#	Format	Approved Date
Farm Equipment Safety on NC Roads	1.0	AB12180002	Classroom	12/18/2000
PowerPoint(s) available?				
For more information, contact: Nancy Keith	336-679-20	61 nancy_keith@	ncsu.edu	
Soil Analysis and Interpretation	1.5	AB12120003	Classroom	12/14/2000
This course is designed to help participants un and focuses on proper soil fertility manageme sample results from the teaching location sho to bring their own sample results for question	nt. Training r uld be used a	naterial includes "(s demonstrations.	Orange Manual" c Participants shou	of NCDA. Actual soil
For more information, contact: David Crouse	919-341-9	383 David_Crous	se@ncsu.edu	
Novel Nutritional Solutions for Odor Control and Waste Management	1.0	AB12120002	Classroom	12/14/2000
PowerPoint(s) available?				
For more information, contact: <i>Todd See 9</i>	19-515-2755	todd_see@ncsu	.edu	
Nitrates and Forage Crops	1.0	AB11210001	Classroom	12/15/2000
The following topics are covered: Nitrate Accu Sampling of Fresh and Dried Forages for Nitrat			_	e Forages; and
For more information, contact: Richard Melt	on 704-28	3-3738 richard_r	melton@ncsu.edu	
New Developments in Matua Grass	1.0	AB10090001	Classroom	10/31/2000
PowerPoint(s) available?				
For more information, contact: Becky Spearn	nan 910-86	2-4591 becky_s _k	pearman@ncsu.ed	du
Lagoon Freeboard Management	1.0	AB10030001	Classroom	10/3/2000
Topics covered are: Lagoon Design and Waste available?	Utilization Pl	ans and Developin	g A Plan of Actior	. PowerPoint(s)
For more information, contact: Eve Honeycut	tt 252-747-	5831 eve_honey	cutt@ncsu.edu	
Matua Grass Project, Onslow County	1.0	AB06130005	Tour	6/26/2000
PowerPoint(s) available?				
For more information, contact: Diana Rashas	sh 910-455	-5873 diana_rasi	hash@ncsu.edu	

This class examines a constructed wetlands project in Onslow County, the first full-scale implementation of such a treatment process at a working swine facility. PowerPoint(s) available?

For more information, contact: Diana Rashash 910-455-5873 diana_rashash@ncsu.edu

Title	Hours	ID#	Format	Approved Date
agoon Aeration Project, Richlands NC	1.0	AB06130003	Tour	6/26/2000
This tour is held at an Onslow County swine nursinstalled a low-horsepower aeration system at the nursery lagoon. Observations about changes in lagoon are discussed. PowerPoint(s) available?	he farm. Th nutrients, c	nis technology enha	ances aeration wit	hin a traditional
For more information, contact: Diana Rashash	910-455	-5873 diana_rasi	hash@ncsu.edu	
Plan of Action for High Freeboard	2.0	AB06130002	Classroom	6/26/2000
PowerPoint(s) available?				
For more information, contact: Eve Honeycutt	252-747-	5831 eve_honey	cutt@ncsu.edu	
Sludge Management & Closure Procedures for Anaerobic Lagoons	2.0	AB03020003	Classroom	3/9/2000
This training introduces operators to the cost, p anaerobic lagoons. Why and how sludge is form considerations that need to be taken into accou including cost, and the types of equipment used required to close permitted lagoon facilities in N	ed is discus nt. Operato I in managio	ssed, as well as stor ors are introduced ng sludge. The train	rage and land app to the convention ning also discusses	lication al practice,
required to close permitted lagoon facilities in N	ic. Poweri	Point(s) available?	Yes	
For more information, contact: David Crouse			Yes se@ncsu.edu	
				3/9/2000
For more information, contact: David Crouse	1.5 icipant s renents, as we te sampling	AB03020001 AB03020001 Eview their individurell as review imports. This course is on	Classroom al waste plans and rtant points conce by successful if the	d permits. It is erning waste
For more information, contact: David Crouse Waste Utilization Plan and Permit Review This course serves as a refresher, and helps part intended to refresh the memory on the requirer application scheduling, record keeping, and was	1.5 icipant s renents, as we te sampling	AB03020001 AB03020001 Eview their individurell as review imports. This course is on the property of the prop	Classroom al waste plans and rtant points conce by successful if the	d permits. It is erning waste
For more information, contact: David Crouse Waste Utilization Plan and Permit Review This course serves as a refresher, and helps part intended to refresh the memory on the requirer application scheduling, record keeping, and was the participants to bring in their own paperwork	1.5 icipant s rements, as we te sampling of for review	AB03020001 AB03020001 Eview their individurell as review imports. This course is on the property of the prop	Classroom al waste plans and rtant points conce by successful if the vailable?	d permits. It is erning waste
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For more information, contact: David Crouse Waste Utilization Plan and Permit Review This course serves as a refresher, and helps part intended to refresh the memory on the requirer application scheduling, record keeping, and was the participants to bring in their own paperwork For more information, contact: David Crouse Fly and Rodent Control on Livestock Farms PowerPoint(s) available? Yes	1.5 icipant s rements, as we te sampling for review 919-341-9	AB03020001 AB03020001 Eview their individured as review important as son as a course is on a course in the cours	Classroom al waste plans and retant points conce by successful if the vailable? Se@ncsu.edu Classroom	d permits. It is erning waste instructor requir
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For more information, contact: David Crouse Waste Utilization Plan and Permit Review This course serves as a refresher, and helps part intended to refresh the memory on the requirer application scheduling, record keeping, and was the participants to bring in their own paperwork For more information, contact: David Crouse Fly and Rodent Control on Livestock Farms PowerPoint(s) available? Yes For more information, contact: Mike Stringham Determining CAWMP Irrigated Acres PowerPoint(s) available? For more information, contact: David Crouse	919-341-9 1.5 icipant s rements, as we te sampling for review 919-341-9 1.0 1.5 1.5	AB03020001 Eview their individual vell as review impog. This course is on v. PowerPoint(s) a 2383 David_Crous. AB12229901 5-8878 mike_str AB06219903	Classroom al waste plans and retant points conce by successful if the vailable? Classroom Classroom Classroom classroom	d permits. It is erning waste instructor require 12/29/1999 4/5/1999

	Hours	ID#	Format	Approved Date
Determining CAWMP Irrigated Acres - Field Excercise	1.0	AB04019901	Field Excercise	2/5/1999
PowerPoint(s) available?				
For more information, contact: David Crouse	919-341-9	383 David_Croເ	ıse@ncsu.edu	
Mortality Disposal By Utilizing Composting Systems	1.5	AB02049917	Classroom	2/5/1999
PowerPoint(s) available?				
For more information, contact: Joseph Knight	336-694-4	1158 ext 16 joey	_knight@ncsu.edu	
Irrigation Calibration & Troubleshooting Workshop - Stationary Systems	3.0	AB02049908	Field Excercise	2/5/1999
This course is entirely field-oriented and is interstationary irrigation equipment. Operators are in proper waste application. PowerPoint(s) available.	ntroduced			-
For more information, contact: David Crouse	919-341-9	383 David_Croι	ıse@ncsu.edu	
Irrigation Calibration & Troubleshooting Workshop - Traveling Systems	3.0	AB02049907	Field Excercise	2/5/1999
This course is entirely field-oriented and is inter				-
traveling irrigation equipment. Operators are in waste application. PowerPoint(s) available?		•		to achieve prop
	919-341-9	·	use@ncsu.edu	to achieve propo
waste application. PowerPoint(s) available? For more information, contact: David Crouse		·	use@ncsu.edu Classroom	2/5/1999
waste application. PowerPoint(s) available? For more information, contact: David Crouse	919-341-9	383 David_Crou		
waste application. PowerPoint(s) available? For more information, contact: David Crouse Determining CAWMP Wettable Acres PowerPoint(s) available?	919-341-9	383 David_Crou		
waste application. PowerPoint(s) available? For more information, contact: David Crouse Determining CAWMP Wettable Acres PowerPoint(s) available? For more information, contact: David Crouse	919-341-9 1.0	383 David_Crou	Classroom	
waste application. PowerPoint(s) available? For more information, contact: David Crouse Determining CAWMP Wettable Acres PowerPoint(s) available?	919-341-9 1.0 919-341-9 1.0 vareness of	383 David_Crou AB02049906 383 David_Crou AB02049905 the various ways	Classroom use@ncsu.edu Classroom to reduce the amou	2/5/1999 2/5/1999 unt of clean wate
waste application. PowerPoint(s) available? For more information, contact: David Crouse Determining CAWMP Wettable Acres PowerPoint(s) available? For more information, contact: David Crouse Water Conservation on Swine Farms This training is intended to increase operator avaneeded as well as to reduce the amount of wast	919-341-9 1.0 919-341-9 1.0 vareness of tewater ger	AB02049906 383 David_Crou AB02049905 the various ways perated that must	Classroom use@ncsu.edu Classroom to reduce the amou	2/5/1999 2/5/1999 unt of clean wate

This training is intended to increase operator awareness of the various ways to reduce the amount of clean water needed as well as to reduce the amount of wastewater generated that must be irrigated. PowerPoint(s) available?

Title	Hours	ID#	Format	Approved Date
oil and Waste Sampling - Field Excercise	0.5	AB01079903	Field Excercise	1/7/1999
This training is a hands-on field excercise to rein training. Instructors need to have sampling eques PowerPoint(s) available?				
For more information, contact: David Crouse	919-341-93	383 David_Croເ	ıse@ncsu.edu	
Record Keeping - Field Excercise	1.0	AB01079902	Field Excercise	1/7/1999
This field excercise is designed to increase the c system operations. It is intended to be a practic forms, and calculators available for participants specifications, measure actual system performa PowerPoint(s) available?	cal field exce s. Participant	rcise and instruct ts record raw field	ors will need clipbo	oards, blank record easure equipment
For more information, contact: David Crouse	919-341-93	383 David_Croເ	ıse@ncsu.edu	
xcel/Computerized Records	1.0	AB10019804	Classroom	10/8/1998
PowerPoint(s) available?				
For more information, contact: Diana Rashash	910-455-	5873 diana_ras	shash@ncsu.edu	
Managing Nutrient Input and Output	1.0	AB09039803	Classroom	9/24/1998
PowerPoint(s) available? Yes				
For more information, contact: <i>Todd See</i> 919	9-515-2755	todd_see@ncsu	ı.edu	
olid Set Calibration Demonstration	1.0	AB09039802	Field Excercise	9/24/1998
Calibration of solid set systems is discussed and equipment, reading results after irrigation, and determine if the actual flowrate is the same as	completing	calculation sheet	s. They are also sho	wn how to
For more information, contact: Diana Rashash	910-455-	5873 diana_ras	shash@ncsu.edu	
raveling Gun Calibration Demonstration	1.0	AB09039801	Field Demonstration	9/24/1998
Calibration of traveling guns is discussed and de equipment, reading results after irrigation, and determine if the actual flowrate is the same as	completing	calculation sheet	s. They are also sho	wn how to
For more information, contact: Diana Rashash	910-455-	5873 diana_ras	shash@ncsu.edu	

This training is intended to be taught at an actual lagoon site. If a lagoon is not readily available, an impoundment with the necessary components can be used. The training emphasizes the importance of regular lagoon inspections and maintenance. It focuses heavily on maintenance of the lagoon structure and the individual components such as surface water diversions, level or staff gauges, intake structures, and vegetation. PowerPoint(s) available?

Title	Hours	ID#	Format	Approved Dat
Understanding Livestock Odors	1.0	AB04089802	Classroom	4/26/1998
PowerPoint(s) available?				
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Waste Application Scheduling	1.0	AB04089801	Classroom	4/8/1998
PowerPoint(s) available?				
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Cattle Production and the Environment	1.0	AB03049804	Classroom	3/13/1998
This training discusses the importance of grazin water quality by cattle. PowerPoint(s) available		nent, stream bank _l	orotection, and po	otential impacts o
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Composting Workshop: What You Need To Know To Get	3.0	AB03049803	Classroom	3/13/1998
PowerPoint(s) available?				
For more information, contact: David Crouse	919-341-9	383 David_Crou	se@ncsu.edu	
Determining Manure Value Based on Fertilizer Costs	2.0	AB02049803	Classroom	2/4/1998
		cc		

This training is intended to help producers manage manure more effectively by showing them advantages in addition to maintaining regulatory compliance. Topics covered include: nutrients, formulations, soil and waste analysis results; RYE and determining nitrogen needs for a given crop; and the 10 step process for nutrient value determination. The second hour is spent having individuals complete worksheets using their own data. PowerPoint(s) available?

For more information, contact: David Crouse 919-341-9383 David_Crouse@ncsu.edu

Matching Nutrient Application to Soil Capability 1.0 AB01079823 Classroom 1/14/1998

This training is intended to provide operators with an in-depth understanding of fertilizer-soil-plant interactions and their importance in developing a waste utilization plan. Topics covered include: plant response to nutrients for corn, soybean, cotton, and forage crops; variation in yields; factors affecting yields and their management. PowerPoint(s) available?

For more information, contact: Eileen Coite 919-731-1520 eileen_coite@ncsu.edu

Winterization and Maintenance of Irrigation 1.0 AB01079805 Field 1/14/1998 Equipment Demonstration

This training covers the operation and maintenance of irrigation equipment, both solid set and traveling gun. Actual equipment should be present to demonstrate the correct way to read gauges. A detailed outline of the training is available. PowerPoint(s) available?