

**IOWA STATE UNIVERSITY**  
OF SCIENCE AND TECHNOLOGY

College of Agriculture and Life Sciences  
Extension Programs and Outreach  
132 Curtiss Hall  
Ames, IA 50011-1050  
515-294-7801  
FAX 515-294-6800

July 11, 2012

Jeff Prier  
Iowa Department of Natural Resources  
Field Office 3  
1900 North Grand Avenue  
Spencer, IA 51301

Dear Mr. Prier:

Per cooperative agreement number ESD7427JPRIER120009, between the Iowa Department of Natural Resources and Iowa State University Extension and Outreach, attached is a copy of the 2012 Manure Applicator Certification final project report. The project report covers the period from July 1, 2011 to June 30, 2012. A copy of the final report will also be made available electronically at: <http://www.agronext.iastate.edu/immag/mac.html>.

Also enclosed is copy of each of the training dvds per our contract requirements and a copy of a program CD with program modules and handouts.

If you have any questions regarding this report please feel free to contact me. I look forward to a continued relationship on this project.

Sincerely,



John D. Lawrence  
Associate Dean, Extension Programs and Outreach  
Director, Agriculture & Natural Resources Extension

Enc.

cc. w/o attachments  
Angela Rieck-Hinz  
Rachel Klein

**Manure Applicator Certification Program**  
**July 1, 2011 to June 30, 2012**  
**Agreement Number ESD7427JPRIER120009**  
**Final Report**

**Introduction**

In 1998, the Iowa Legislature passed HF 2494. This bill required certification of commercial manure applicators and confinement site manure applicators with operations of a designated size. Legislative changes (HF 644) again in 2003 required rule changes for the 2004 program. These changes primarily dealt with the administrative changes to the commercial manure applicator program. The new law required manure application businesses to hold business licenses and allowed fees to be set for businesses, managers and employees. The purpose of this project, entered into by the Iowa Department of Natural Resources (IDNR) and Iowa State University Extension (ISUE) was to develop manure certification training and testing materials and to conduct certification workshops for commercial manure applicators and confinement site manure applicators. This annual report covers year 15 of the certification program.

**Training Material Development**

**Confinement Site Manure Applicator Program**

Training materials for the confinement site programs were developed into individual modules. The goal of the module concept was that the material could be used again in future programs with minimal time used in development of the presentation of the materials but instead, time focused on updating the subject matter of each module for future use. The modules were identified from email discussion and ideas submitted by Extension Field Specialists and input from the Manure Applicator Certification Advisory Committee. An Extension campus and/or field specialist or IDNR staff member then develops and presents each module. For some modules, other speakers are identified and asked to participate in the program. The materials are developed into a PowerPoint presentation or a video segment and then burned onto a CD for use at the annual workshops. Each module may be modified at the local level by Extension Field Specialists to adapt for regional or county use to meet certain manure application practices, crop, soils, or topography requirements.

A list of modules by year, from 2008-2012 is presented in Table 1(a complete list of modules by year from 2001-2012 is available upon request).

**Commercial Manure Applicator Program**

Materials developed for the 2012 Commercial Manure Applicator program were prepared via email by Extension Field Specialists, IDNR staff and input from the Manure Applicator Certification Advisory Committee. The program materials were delivered by pre-recorded video segments at the annual coordinated showing of the Manure Applicator Certification program which was held on January 5, 2012. A list of modules

by year, from 2008-2012 is presented in Table 1(a complete list of modules by year from 2001-2012 is available upon request).

## Dry Manure Applicator Program

This program is a subset of the commercial manure applicator and confinement site applicator program. The program is designed to meet the training requirements of both types of applicators, but focuses more on dry manure issues and handling. A list of modules for 2012 is included in Table 1.

Table 1. Certification modules developed and presented at training meetings by program and year.

Year	Confinement Site Manure Applicator Program	Commercial Manure Applicator Program
2008	DNR Land Application Rules, Separation Distances and Manure Management Plans 25 Minutes	DNR Land Application Rules, Separation Distances, Spill Training 30 Minutes
	Emergency Mortality Management 27 minutes (Glanville DVD)	DOT Regulations/Weight Restrictions 30 minutes Chris Boswell
	Confinement Site Investigation Scenarios 50 minutes	Review of Land Application Issues from past 10 years 20 minutes Karen Grimes
		DNR Case Studies on Manure Spills and Spill Response 25 minutes Ted Peterson
		Injector effects on soil, odor, residue and manure 35 minutes, (Hanna Video)
2009	Valuing, Pricing and Selling Manure 60 minutes	DNR Land Application Rules, Separation Distances and Manure Management Plans 40 minutes
	Hydrogen Sulfide Safety During Deep-Pit Pump out 25 min (Swestka/Burns DVD)	Economics of Hauling Manure (Leibold video) 33 minutes
	DNR Land Application Rules, Separation Distances and Manure Management Plans 35 min	Hydrogen Sulfide Safety During Deep-Pit Pump out 25 minutes ( Swestka/Burns video)
		Road Safety and Personal Protective Gear 60 minutes
		Mole Toolbar (video) 15 minutes
2010	Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application, Stockpiling Regulations, Paperwork, Fees and Recordkeeping Requirements 60 minutes	DNR Land Application Rules, Separation Distances, Winter Application Rules, Water Quality Impacts, Spill Response, Paperwork, Fees and Recordkeeping Requirements. 60 minutes
	How to Interpret your Manure Analysis 30 Min	
	Pit Explosions, Fires and Foaming 15 Min	Commercial Application of Manure: Case Studies and Tips for dealing with Liability Issues. 35 minutes
	Liquid Dairy Case Study 15 minutes	Drag Hose/Rupture Video 6 minutes
		Infiltration of Manure, Movement to Tiles and Ways to Minimize Risk of Rapid Export from tile 40 minutes
		Safety and Spill Response Trailer Video 10 minutes
		Pump Safety Video 13 min
		Q and A Panel Discussion 20 Min
	<b>Dry Manure Program</b>	
	Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application Rules, Paperwork, Fees and Recordkeeping Requirements 60 Min.	

	Stockpiling Regulations 40 Min	
	Transport of N and P to Subsurface Drain Water under Layer Hen Manure-Applied Field Plots 60 min	
	Q and A 20 Min	
2011	Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application, Stockpiling Regulations, Paperwork, Fees and Recordkeeping Requirements 44 min (Prier)	DNR Land Application Rules, Separation Distances, Winter Application Rules, Paperwork, Fees and Recordkeeping Requirements. 45 minutes (Prier)
	Frozen Ground and Winter Application Rules 17 min (Prier)	Manure Nitrogen Availability and Supply 49 min (Sawyer)
	Manure Nitrogen Availability and Supply 49 min	Water Quality Impacts and Spill Response 25 min (Wiklund)
	Video segment of Safety Pumping from Deep Pits 15 min ( Arora and Harmon)	Frozen Ground and Winter Application Rules 17 min (Prier)
		Update on Foaming Pits Research 28 min (Schmidt)
		Video segment of Safety Pumping from Deep pits 15 min (Arora and Harmon)
		Frequently Asked Questions 15 min (Rieck-Hinz)
	<b>Dry Manure Program</b>	
	Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application Rules, Paperwork, Fees and Recordkeeping Requirements 42 Min. (Rieck-Hinz)	
	Frozen Ground Winter Application Rules 17 min (Prier)	
	Manure Nitrogen Availability and Supply 49 min (Sawyer)	
	Stockpiling Regulations 25 min (Rieck-Hinz)	
	Water Quality Impacts and Spill Response 25 min (Wiklund)	
	Frequently Asked Question 15 min (Rieck-Hinz)	
<b>2012</b>	<b>Confinement Site Manure Applicator Program</b>	<b>Commercial Manure Applicator Program</b>
	Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application, Stockpiling Regulations, Paperwork, Fees and Recordkeeping Requirements 50 (Prier)	DNR Land Application Rules, Separation Distances, Winter Application Rules, Paperwork, Fees and Recordkeeping Requirements. 45 min (Prier)
	Winter Application of manure or not 25 min (Terry Steinhart)	Infiltration of manure, movement to tiles, and ways to minimize risk of rapid export from tiles and runoff pathways 40 min (Matt Helmers)
	Motor Vehicle Enforcement IDOT 17 min (Chris Boswell)	Motor Vehicle Enforcement IDOT 17 min (Chris Boswell)
	Determining when your MMP is Due 13 min (Rieck-Hinz)	Road Damage Study 48 min (Kevin Erb)
		Beef and Poultry Manure Phosphorus Water Quality Issues 31 min (Antonio Mallarino)
	<b>Dry Manure Program</b>	
	Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application Rules, Paperwork, Fees and Recordkeeping Requirements 50 Min. (Rieck-Hinz)	
	Bulk Dry Animal Nutrient Chapter 200A 30 min (Kevin Klommhaus)	
	Beef and Poultry Manure Phosphorus Water Quality Issues 31 min (Antonio Mallarino)	
	Motor Vehicle Enforcement IDOT 17 min (Chris Boswell)	
	Road Damage Study 51minutes (Kevin Erb)	

## **Supporting Training Materials**

Three new stockpiling regulation factsheets were developed by the DNR for the FY12 program. The factsheets were developed to help producers better protect the water around their farms and help guide them with stockpiling regulations. The three factsheets were animal housing specific: Confinement Dry Manure Stockpiling Regulations, Dry-Bedded Manure Stockpiling Regulations, and Open Feedlot Manure Stockpiling Regulations. The fact sheets were made available to workshop attendees at the dry manure certification workshops. The usual copies of DNR 113, DNR 115 and DNR 116 were also distributed at workshops.

## **Certification Workshops**

### **Confinement Site Workshops**

Training workshops for the 2012 Confinement Site Manure Applicator Certification program began in January 2012 and continued through February 2012. There were 54 training workshops in 60 counties. In addition to the workshops, confinement site applicators could also meet training requirements by watching a two-hour videotape at their local County Extension office.

ISU Extension and Outreach staff has reported 1450 confinement site applicators attended the certification workshops, while ISUEO has collected 1,169 confinement site application evaluations (by the date of this report). The 2012 Confinement Site program was presented by 12 Field Specialists including: 4 Agricultural and Bio-system Engineers, 3 Beef Specialists, 5 Swine Specialists, and 1 Campus Specialist.

There was also a confinement site certification workshop at the 2012 Iowa Pork Congress. Seven people attended. A workshop was also conducted on February 28 at the National Animal Disease Center for staff working with animals and manure, 17 people attended. The DNR requires staff at NACD meet certification requirements.

### **Commercial Applicator Workshops**

The 2012 Commercial Manure Applicator program was delivered via coordinated showing on January 5, 2012. This showing was presented in 76 Iowa County Extension offices, one Nebraska County Extension office, and two Wisconsin County offices and one Minnesota office. A total of 53 applicators attended one of the out-of-state meetings.

The ISU Extension and Outreach staff has reported 1,160 commercial applicators attended the certification meetings, while ISUEO has collected 1,124 commercial applicators evaluations as of the date of this report.

A coordinated statewide “reshow” of the commercial manure applicator program was offered on August 31, 2011. This was not a live event, but an event where county offices held a “reshow” of the training DVD on a coordinated date and time. This event was held in 27 County Extension offices. The goal in offering this reshow was to reduce

the number of times the county staff offered the commercial program in the fall. We know that most commercial applicators will wait until immediately prior to fall application season starts to get new employees certified, so by offering this coordinated event, it helps us to maximize training and staff time. Although the August “reshow” was the DVD program from the January event, it technically occurs in the new fiscal year and was included in this report. This event was publicized through press releases and a direct mail postcard to all commercial applicator businesses.

Educational training continues to increase for the Manure Applicator Certification Program. Last year at this time, there were 516 certified commercial manure applicator businesses. Currently there are 544 certified commercial manure applicator businesses. The number of commercial representatives has also increased from 1,987 applicators to 2,013 certified applicators. The confinement site applicators are on track to increase as well. Last year at this time, there were 2,205 applicators. This year there are 2,097 with 548 who will still need training to keep their certification current.

### **Dry Manure Workshops for Commercial and Confinement Site Applicators**

In February, seven dry manure applicator workshops were scheduled in the state of Iowa.

<b>Date</b>	<b>Location</b>	<b>Attendance</b>
February 1, 2012	Thompson	9 CFS; 10 Comm; 19 total
February 16, 2012	Ellsworth	20 CFS; 7 Comm; 2 guests; 29 total
February 17, 2012	Clarion	6 CFS; 42 Comm; 48 total
February 20, 2012	Washington	17 CFS; 10 Comm; 27 total
February 22, 2012	Orange City	22 CFS; 56 Comm; 78 total
February 23, 2012	Storm Lake	12 CFS; 40 Comm; 52 total
February 27, 2012	Greenfield	7 CFS; 26 Comm; 2 guests; 36 total

The workshops provided the necessary three hours of training for the commercial applicators and subsequently met the required time requirements for confinement site applicators. The topics for the workshops were: land application rules, stockpiling requirements, current research results from winter application of solid manures, and discussion on the requirements of Chapter 200A and buying and selling manure.

### **Certification Workshop Evaluation**

#### **2012 Commercial Manure Applicator Program Evaluation**

An evaluation form was created for the Commercial Manure Applicators pertaining to the material given during the certification process. At the end of each workshop and at the end of each video, the applicators were asked to complete an evaluation on the information presented, overall evaluation of the program, and then asked to list the “Top 10” things applicators could do to avoid manure spills.

#### **Top 10 Responses:**

1. Proper equipment maintenance
2. Slow down
3. Employee training
4. Know your surroundings
5. Be alert

6. Have plenty of rest
7. Attentive pump tractor operator
8. Know your equipment
9. Don't drink and drive
10. Cover inlets/tile

This information will be used to develop specific training modules for FY13.

## **2012 Confinement Site Program Evaluation**

Evaluation forms were created with new questions for the applicators pertaining to the material given during the certification process. At the end of each workshop and at the end of each video, the applicators were asked to complete an evaluation on the information presented, overall evaluation of the program, future needs, and questions pertaining to last year's program about manure nitrogen and how nitrogen availability is defined versus losses of nitrogen and possible management strategies. The following were the responses to 2012 Confinement site program:

### **Future needs:**

Would you like to see more short video clips, like the one on manure plan due dates?

- 27% stated they would like to see more short video clips
- 28% stated they would not
- 45% did not respond

If so, what kinds of information do you need as related to manure application, storage, safety or other manure management concerns?

- Building location requirements
- Case studies
- Composting
- Different application methods
- DOT videos
- Foaming pit issues
- Manure sampling
- Manure storage
- Nitrogen stalk tests
- Nutrient availability
- Nutrient management
- Record keeping
- Research on the use of nitrogen stabilizers
- Rules selling manure
- Rules update
- Proper application methods
- Proper soil sampling procedures
- Safety
- Separation distances—what it actually looks like
- Test on Nitrogen loss at application

- Tiling
- Value of spring application
- Weight limits

**As a result of last year's training, we talked about manure nitrogen, especially how nitrogen availability is defined versus losses of nitrogen and possible management strategies:**

Did you delay application of high ammonia content manures (i.e. liquid swine manure) until soil temperatures were 50 degrees or colder?

- 65% Yes
- 19% No
- 16% No response

Did you have your manure analyzed to determine the nitrogen content of the manure?

- 76% Yes
- 12% No
- 12% No response

Did you use the cornstalk nitrate test to evaluate if the nitrogen supply was sufficient to the corn crop?

- 29% Yes
- 57% No
- 14% No response

Did you use the Late-Spring Nitrate Test to evaluate the nitrogen supply?

- 27% yes
- 58% no
- 15% No response

If you have dry/solid manure, did you incorporate the manure shortly after application to reduce potential nitrogen loss?

- 45% Yes
- 23% No
- 32% No response

Did you consider manure nitrogen to be your primary source of nitrogen for crop production?

- 70% Yes
- 17% No
- 13% No response

Complete results of program surveys can be found at:

<http://www.agronext.iastate.edu/immag/maceval.html>. These results are continuously updated as we receive evaluations from County Extension offices. Evaluations from previous years are also available at this site.



## Advisory Committee

The 2012 MAC advisory committee gathered on September 13, 2011, at the ISU Field Extension Education Lab. Members in attendance included: John Sawyer, John Lawrence, Tom Miller, Willy Klein, Jerry Chezik, Kapil Arora, Paul Kassel, Greg Brenneman, Kris Kohl, Mark Hanna, Angela Rieck-Hinz, and Rachel Klein all from Iowa State University; Colleen Zeliadt, Jeff Prier, Karen Grimes, and Gene Tinker from IDNR; Steve Tassinary and Kevin Westaby, ICNAA members; Tyler Bettin, IPPA; and Gretta Irwin, Iowa Turkey Federation. The committee reviewed the 2011 program year, discussed program ideas, and training materials for the 2012 program year.

## Promotional Materials

Promotional materials used in the 2012 Manure Applicator Certification programs were similar to that of previous years. A postcard was developed and distributed announcing the commercial applicator reshew in August 2011. An additional postcard was developed for the January 2012 Commercial program and a brochure was developed for the Confinement Site program to be used as an informational and recruitment tool. Copies of the postcard and brochure were mailed to all currently certified commercial manure applicator businesses and confinement site applicators in December 2011.

Again this year, postcard templates were designed for use by the County Extension offices to remind the Confinement Site Applicators of the upcoming workshops in their area. A set of instructions on how to use the templates was also posted to the MAC "For Staff" Web page. Copies of all brochures and postcards used for recruitment purposes can be found on the enclosed CD titled "ISUEO 2012 MAC Program Applicator Training Materials".

A total of six press releases were prepared and used by County Extension offices for local media. A copy of those press releases can be found in Appendix 1. Workshop dates were maintained on the MAC section of the IMMAG web site (<http://www.agronext.iastate.edu/immag/mac.html>) and were also linked on the Iowa Pork Industry Center's web page <http://www.ipic.iastate.edu/pastevents12.html>. A list of workshop dates was distributed to attendees at the Iowa Pork Congress in January 2012. In addition, an article was prepared and distributed through the November 2011 *Iowa Pork Producer Magazine* found at <http://www.iowapork.org/FileLibrary/States/IA/News/Magazine/Nov2011Mag.pdf>. In addition; livestock commodity groups were provided with information regarding training opportunities that they used in their monthly email newsletters to their members.

All of the public certification materials have been distributed electronically through the IMMAG site. The Manure Applicator Certification Program button on the IMMAG site links users to a site solely devoted to the Certification Program (<http://www.agronext.iastate.edu/immag/mac.html>). The site contains a description of who needs to be certified, how to get certified and a list of questions and answers most commonly received about the program. The site also has a "staff only" link for ISU

Extension and Outreach employees to download program-planning materials. This site serves as the primary location for MAC information in the state of Iowa.

### **Reporting Requirements**

This contract requires quarterly reports and a final project report. This document serves as the final project report. The quarterly reports were submitted to the Iowa Department of Natural Resources point of contact, Jeff Prier, via email on October 7, 2011, January 30, 2012; April 10, 2012 and July 5, 2012.

### **Partnerships**

For FY12 the normal partnerships with IDNR, members of ICNAA, ITF, IPPA, ICA, ISDA and IPA were maintained. In addition, this year we partnered with the Iowa Department of Agriculture and Land Stewardship to develop a module on distributing manure through Chapter 200A for the dry manure workshops. Attendees at the dry manure workshops have been asking for this kind of information for several years. Staff from IDALS developed the materials and attended 6 out of the 7 dry manure workshops to present material and answer questions. The video recording of the presentation was played at the 7<sup>th</sup> workshop when IDALS staff could not attend.

### **Future Needs**

Fiscal year 2012 continues to show an increase in the number of both confinement site and commercial manure applicators. This is reflected by attendance at our workshops, video showings and by the number of applicators who have met training requirements by the end of the fiscal year. This increase in numbers may warrant exploring new or additional means of providing certification training. Other future needs may include offering more dry manure certification opportunities that focus on confined bedded beef operations. These types of operations are gaining in popularity in Iowa and due to size of operation, will require owners/manager to meet manure applicator certification requirements. This is evidenced by growing attendance of cattle producers attending the dry manure applicator workshop in Orange City, Iowa (+22). It is likely we will need to find a large venue for this dry manure applicator workshop in the future.

Additional items to consider include developing a policy for training requirements. It is likely that other entities will continue to want to provide opportunities for training. It is not ISU's decision on if or how this happens, but DNR should consider developing a policy that outlines the expectations and requirements of this program.

### **Budget**

A copy of the budget expenditures as of June 30, 2012, is provided via the ISU Office of Sponsored Programs.

## **Appendix 1. Press Releases**

### **Statewide Training Session for Commercial Manure Applicators Scheduled for Aug. 31**

<http://www.extension.iastate.edu/article/commercial-manure-applicator-certification-training-scheduled-aug-31>

### **Annual Confinement Site Manure Applicator Workshops Scheduled for 2012**

<http://www.extension.iastate.edu/article/confinement-site-manure-applicator-2012>

### **2012 Confinement Site Manure Applicator Training Scheduled in -- County**

<http://www.extension.iastate.edu/news/forstaff/2011/nov/162901.htm>

### **Commercial Manure Applicator Training Scheduled for Jan. 5, 2012**

<http://www.extension.iastate.edu/article/commercial-manure-applicator-training-2012>

### **Commercial Manure Applicator Training Scheduled for --County**

<http://www.extension.iastate.edu/news/forstaff/2011/nov/162902.htm>

### **Dry Manure Applicator Certification Offered**

<http://www.extension.iastate.edu/news/2011/jan/121402.htm>

## Commercial Manure Applicator Certification Training Scheduled for Aug. 31

---

**08/09/2011**

A statewide training for commercial manure applicators will be conducted by Iowa State University Extension and Outreach in cooperation with the Iowa Department of Natural Resources (DNR) on Wednesday, Aug. 31, from 9 a.m. to noon. This training will be a reshoot of the same program that was offered for training in January 2011.

Commercial manure applicators that have not fulfilled their 2011 training can do so before the busy fall manure application season. Commercial manure applicators wishing to become certified for the first time may also attend. Applicators that have already attended training in 2011 do not need to attend.

Iowa law requires commercial manure applicators to attend three hours of annual training and to submit the appropriate forms and fees to the Iowa DNR to meet certification requirements. Applicators may apply manure prior to receiving the certification card in the mail, but commercial applicators should carry a copy of the signed paperwork with them until they receive the certification card to prove they have attended annual training.

There is no fee for the training workshop but applicators must register by Aug. 24 with the ISU Extension county office where they plan to attend. Applicators should bring their driver's license or a copy of their certification card. The counties offering this training include: Allamakee, Calhoun, Cass, Cherokee, Cerro Gordo, Clay, Clayton, Dallas, Emmet, Greene, Hamilton, Hardin, Ida, Iowa, Kossuth, Mahaska, Palo Alto, Pocahontas, Story, Tama, Warren, Washington, Wayne, Webster, Winnebago, Winneshiek and Wright.

A postcard reminder will be sent to all licensed commercial manure applicator businesses in early August. Owner and managers should communicate this training opportunity to employees and new hires. If applicators cannot attend this training event, they can still call their ISU Extension county office to determine when commercial manure applicator trainings are held. Many county extension offices will provide flexibility in offering training if you call in advance, but some are only offering training on set dates due to scheduling and staffing conflicts. Applicators can also meet certification requirements by taking and passing the certification exam. Exams are only offered at Iowa DNR field offices and an appointment must be made to take the exam.

-- 30 --

### **Contacts:**

Angela Rieck-Hinz, Department of Agronomy, 515-294-9590, [amrieck@iastate.edu](mailto:amrieck@iastate.edu)

Rachel Klein, Department of Agronomy, 515-294-6685, [raklein@iastate.edu](mailto:raklein@iastate.edu)

Willy Klein, Extension Communications and External Relations, 515-294-0662, [wklein@iastate.edu](mailto:wklein@iastate.edu)

## **Confinement Site Manure Applicator Workshops Scheduled for 2012**

---

**11/28/2011**

AMES, Iowa -- Confinement site manure applicators and anyone interested in learning about manure issues should plan to attend a two-hour workshop offered by Iowa State University (ISU) Extension and Outreach in January or February 2012. These workshops are offered in cooperation with the Iowa Department of Natural Resources. There is no fee to attend the workshops, but applicators will need to pay certification fees to complete certification requirements.

“Iowa law requires confinement site manure applicators to attend two hours of continuing education each year of their three-year certification period, or take and pass an exam once every three years,” said Angela Rieck-Hinz, ISU Extension program specialist and coordinator of the manure applicator certification program.

A total of 54 confinement site manure applicator workshops will be held in 60 different counties. In addition, a series of seven dry/solid manure applicator certification meetings will be held in February. ISU Extension county offices have a complete list of workshop dates and locations, or view a list at: <http://www.agronext.iastate.edu/immag/certification/confdates.html>

The workshops serves as initial certification for those applicators that are not currently certified, recertification for those renewing licenses, and continuing education for those applicators in their second or third year of their license. The certification fee is \$100 for a three-year certificate. Confinement site applicators must also pay the \$25 annual education fee. All fees are submitted to Iowa DNR.

Due to uniform certification deadlines, applicators are encouraged to attend workshops prior to March 1 to avoid being assessed a late fee of \$12.50. Those unable to attend one of the workshops need to schedule time with their ISU Extension county office to watch the training DVD. Due to scheduling conflicts, many extension offices will no longer accept walk-in appointments to watch these DVDs, but do offer scheduled dates and times to provide this training. If you can't attend training during one of the scheduled reshow dates at your county Extension office, you will be charged a \$10 fee to view the training at your convenience. There will not be a fee charged for scheduled training dates and workshops. If attending the workshops or watching the two-hour training DVD is not convenient, confinement site manure applicators may contact their local DNR field office to schedule an appointment to take the certification exam to meet certification requirements.

Contact your ISU Extension county office for more information about the Manure Applicator Certification Program or visit: <http://www.agronext.iastate.edu/immag/mac.html>

--30--

### **Contacts:**

Angela Rieck-Hinz, Agronomy, 515-294-9590, [amrieck@iastate.edu](mailto:amrieck@iastate.edu)

Rachel Klein, Agronomy, 515-294-6685, [raklein@iastate.edu](mailto:raklein@iastate.edu)

Willy Klein, Extension Communications and External Relations, 515-294-0662, [wklein@iastate.edu](mailto:wklein@iastate.edu)

## 2012 Confinement Site Manure Applicator Training Scheduled in \_\_\_\_\_ County

---

11/28/2011

Confinement site manure applicators should plan to attend a two-hour workshop offered by Iowa State University (ISU) Extension and Outreach and the Iowa Department of Natural Resources to maintain or renew their confinement site manure applicator certification. The \_\_\_\_\_ (county) \_\_\_\_\_ workshop will be offered on \_\_\_\_\_ (date) \_\_\_\_\_ at \_\_\_\_\_ (time) \_\_\_\_\_ in \_\_\_\_\_ (location) \_\_\_\_\_.

“Iowa law requires confinement site manure applicators to obtain two hours of continuing education each year of their three-year certification period, or take and pass the exam once every three years,” said Angela Rieck-Hinz, ISU Extension and Outreach program specialist and coordinator of the manure applicator certification program. “If applicators fail to get the two hours of continuing education each year, they will be required to pass a written exam to be eligible to recertify.”

The workshop serves as initial certification for those applicators that are not currently certified, recertification for those renewing licenses and as continuing education for those applicators in their second or third year of their license.

“Even crop and livestock producers that do not need certification will find the workshops to be an excellent way to stay on top of manure regulatory requirements and manure issues,” said Rieck-Hinz. “Producers who are receiving manure from confinement facilities with manure management plans will need to meet certification requirements if they are handling, transporting or applying manure from those facilities.”

Operators must be certified to handle, transport and apply manure if the confinement livestock operation has more than a 500 animal unit capacity, unless the manure is applied by a commercial manure applicator. The certification fee is \$100 for a three-year certificate. This fee is paid when applicators initially get certified and then every three years when they re-certify to apply manure. Confinement site applicators are also required to pay an annual education fee of \$25. All fees and application forms must be sent to the Iowa Department of Natural Resources to complete certification requirements.

ISU Extension and Outreach will charge a \$10 fee to applicators who choose to view the certification materials on a non-scheduled reshow day at the county office. For this reason we encourage all applicators to attend the workshops or to plan to view training materials on the scheduled reshow date at their local county extension office. This fee will not apply to workshops or scheduled reshow dates. Please contact your county extension office to determine which days are scheduled for the manure applicator certification programs.

Applicators are encouraged to attend workshops prior to March 1 to meet certification deadlines and avoid being assessed a \$12.50 late fee for re-certification.

If you have questions about meeting dates and locations, or if you need to schedule an appointment to attend training, contact the \_\_\_\_\_ County Extension and Outreach Office at \_\_\_\_\_ (phone) \_\_\_\_\_ or visit <http://www.agronext.iastate.edu/immag/certification/confdates.html> to see the 2012 workshop schedule.

--30--

### Contacts:

Angela Rieck-Hinz, Department of Agronomy, 515-294-9590, [amrieck@iastate.edu](mailto:amrieck@iastate.edu)

Rachel Klein, Department of Agronomy, 515-294-6685, [raklein@iastate.edu](mailto:raklein@iastate.edu)

Willy Klein, Extension Communications and External Relations, 515-294-0662, [wklein@iastate.edu](mailto:wklein@iastate.edu)

## **Commercial Manure Applicator Training Scheduled for Jan. 5, 2012**

---

**11/29/2011**

AMES, Iowa -- Commercial manure applicators can attend three hours of annual training to meet commercial manure applicator certification requirements on Thursday, Jan. 5, 2012. Iowa State University (ISU) Extension and Outreach and the Iowa Department of Natural Resources (DNR) will conduct Commercial Manure Applicator training from 9 a.m. to noon at 76 locations in Iowa, and 4 locations in surrounding states. Registration begins at 8:30 a.m. There is no fee for the workshop but applicators must register by December 29 with the ISU Extension and Outreach county office where they plan to attend. A complete list of workshop locations can be found at:

<http://www.agronext.iastate.edu/immag/certification/2012macprogrampostcard.pdf>.

Commercial manure applicators needing to recertify and those wanting to certify for the first time should attend. All currently certified commercial manure applicator licenses will expire on March 1, 2012. Those wanting to renew must complete training requirements and submit forms and fees to the DNR prior to March 1, to avoid paying late fees.

Those unable to attend the program on Jan. 5 need to schedule time with their ISU Extension county office to watch the training DVD. Due to scheduling conflicts, many extension offices will no longer accept walk-in appointments to watch these DVDs, but do offer scheduled dates and times to provide this training. If you can't attend training during one of the scheduled reshow dates at your county Extension office, you will be charged a \$10 fee to view the training at your convenience. There will not be a fee charged for scheduled training dates. If attending the workshops or watching the three-hour DVD is not convenient, commercial applicators may contact their local DNR field office to schedule an appointment to take the certification exam.

In addition to the commercial manure applicator training offered on Jan. 5, ISU Extension will also offer seven dry/solid manure workshops for commercial manure applicators in February 2012. Information regarding these workshops and locations is also contained in the link to the brochure listed above.

If you have questions about the commercial manure applicator certification program, contact your ISU Extension county office or on the Web at: <http://www.agronext.iastate.edu/immag/mac.html>

- 30 -

### **Contacts:**

Angela Rieck-Hinz, Agronomy, 515-294-9590, [amrieck@iastate.edu](mailto:amrieck@iastate.edu)

Rachel Klein, Agronomy, 515-294-6685, [raklein@iastate.edu](mailto:raklein@iastate.edu)

Willy Klein, Extension Communications and External Relations, 515-294-0662, [wklein@iastate.edu](mailto:wklein@iastate.edu)

---

## Commercial Manure Applicator Training Scheduled for \_\_\_\_\_ County

---

11/23/2011

Commercial manure applicators should plan to attend the Commercial Manure Applicator training program scheduled for Thursday, Jan. 5, 2012 from 9 a.m. to noon. Iowa State University (ISU) Extension and Outreach and the Iowa Department of Natural Resources (DNR) will conduct the required three hour training workshop at that time. There is no fee to attend the workshop, but commercial applicators must register by Dec. 29 by contacting the \_\_\_\_\_ County ISU Extension and Outreach Office at \_\_\_\_\_ (phone number).

Commercial manure applicators needing to recertify and those wanting to certify for the first time should attend. The workshop will provide the required three hours of annual training and will cover applicator rules, manure application rates, road and bridge weight restrictions, and drivers' licensing issues.

All currently certified commercial manure applicator licenses will expire on March 1, 2012. Commercial applicators can attend training throughout the year, but if they were previously certified, they should plan to attend training and submit the forms and fees to DNR prior to March 1 to avoid paying the late fees. Certification fees for commercial manure applicators have not changed for 2012. ISU Extension and Outreach will be charging a \$10 fee to applicators who choose to view the certification materials on a non-scheduled reshow day at the county office. For this reason we encourage all applicators to attend the workshops or to plan to view training materials on the scheduled reshow date at their local county extension office. This fee will not apply to workshops or scheduled reshow dates. Please contact your county extension office to determine which days are scheduled for the manure applicator certification programs. Due to scheduling conflicts, many ISU extension offices will no longer accept walk-in appointments to watch the training DVDs.

If attending the January 5 commercial manure applicator program or watching the three-hour DVD is not convenient, commercial applicators may contact their local DNR field office to schedule an appointment to take the certification exam.

If you have questions about the commercial applicator program contact the \_\_\_\_\_ County Extension Office at \_\_\_\_\_ (phone) \_\_\_\_\_ or go to <http://www.agronext.iastate.edu/immag/mac.html>

--30--

### **Contacts:**

Angela Rieck-Hinz, Department of Agronomy, 515-294-9590, [amrieck@iastate.edu](mailto:amrieck@iastate.edu)

Rachel Klein, Department of Agronomy, 515-294-6685, [raklein@iastate.edu](mailto:raklein@iastate.edu)

Willy Klein, Extension Communications and External Relations, 515-294-0662, [wklein@iastate.edu](mailto:wklein@iastate.edu)



## Dry Manure Applicator Certification Workshops Offered in February

---

1/05/2012

AMES, Iowa -- Iowa State University Extension and Outreach in cooperation with the Iowa Department of Natural Resources, will offer manure applicator certification workshops for dry manure operators on seven different dates and locations in February 2012. These workshops will meet manure applicator certification requirements for both confinement site manure applicators and commercial manure applicators who primarily apply dry or solid manure.

“The information in this workshop will benefit not only those needing certification, but anyone using dry or solid sources of manure as a nutrient resource,” says Angie Rieck-Hinz, coordinator of the Manure Applicator Certification Program. “This year’s program will feature speakers from the Iowa Department of Agriculture and Land Stewardship who will discuss the requirements of selling and buying manure under Chapter 200A.”

Workshop topics will include land application rules, stockpiling requirements, a look at current research results from winter application of solid manures and discussion on the requirements for buying and selling manure. The workshops are free to attend and open to all. Applicators will be required to submit certification forms and fees to the Iowa Department of Natural Resources to meet manure applicator certification requirements.

Please register for one of the workshops by calling the number listed with the selected site. Workshop locations and dates are:

- Feb. 1, Branding Iron Restaurant, Thompson. This meeting starts at 1:00 p.m. Call (641)584-2261 to register.
- Feb. 16, Ellsworth Public Library, Ellsworth. This meeting starts at 1:00 p.m. Call (515)832-9597 to register.
- Feb. 17, Heartland Museum, Clarion. This meeting starts at 1:00 p.m. Call (515)532-3453 to register.
- Feb 20, Washington County Extension Office, Washington. This meeting starts at 1:00 p.m. Call (319)653-4811 to register.
- Feb. 22, Sioux County Extension Office, Orange City. This meeting starts at 1:00 p.m. Call (712)737-4230
- Feb. 23, Buena Vista County Extension Office, Storm Lake. Please note, this meeting starts at **9:00 a.m.** Call (712)732-5056 to register.
- Feb. 27, Greenfield Chamber of Commerce meeting room, Greenfield. This meeting starts at 1:00 p.m. Call (641)743-8412 to register.

-30-

### Contacts:

Angela Rieck-Hinz, ISU Extension and Outreach, (515) 294-9590, [amrieck@iastate.edu](mailto:amrieck@iastate.edu)

Rachel Klein, ISU Extension and Outreach, (515) 294-6685, [raklein@iastate.edu](mailto:raklein@iastate.edu)

Willy Klein, Extension Communications, (515) 294-0662, [wklein@iastate.edu](mailto:wklein@iastate.edu)