

**Manure Applicator Certification Program
July 1, 2009 to June 30, 2010
Agreement Number ESD7122JPRIER090047
Final Report**

This report contains links to documents used in the FY10 Manure Applicator Certification Program. Not all materials were made available electronically and are not included in this electronic version of the final report. Some materials are not made available due to on-going certification training. If you would like a copy of the full report, including the attachments and materials found in the links, please contact:

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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 the twelfth year 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 idea 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.

Materials developed for the 2010 Confinement Site Manure Applicator program focused on 1) Review of Rules, Land Application Separation Distances, Manure Management Plan Requirements, Winter Application, Stockpiling Regulations, Paperwork, Fees and Recordkeeping Requirements; 2) How to Interpret your Manure Analysis, 3) Liquid Dairy Manure Spill Case Study.

A list of modules by year, from 2008-2010 is presented in Table 1.

Commercial Manure Applicator Program

Materials developed for the 2010 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 with live PowerPoint presentations or pre-recorded video segments at the annual satellite downlink held on January 6, 2010. It should be noted that most of the video segments used in the Commercial Applicator Program were videotaped at the 2009 Manure Expo held near Boone, IA. This program would like to acknowledge the Iowa Commercial Nutrient Applicators Association, the Animal Waste Management Team at ISU and ISU Extension for making this possible.

The 2010 Commercial Manure Applicator program included the following modules:

1) A Review of Rules, Land Application Separation Distances, Recordkeeping Requirements, Water Quality Impacts, Winter Application Rules, Spill Response, Paperwork and Fees; 2) Commercial Application of Manure: Case Studies and Tips for Dealing with Liability Issues; 3) Infiltration of Manure, Movement to Tiles, and Ways to Minimize Risk of Rapid Export from Tile; and 4) Hydrogen Sulfide Safety during Deep-Pit Pumping; 5) Drag Hose/Rupture Video; 6) Safety Trailer Video; and 7) Pump Safety Video. A complete listing of modules by year, and time allocated is presented in Table 1 (prior to 2001, program was not developed into modules).

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. The 2010 Dry Manure program included the following modules: 1) Review of Rules, Land Application Separation Distances, MMP Requirements, Winter Application Rules and Paperwork, Fees and Recordkeeping; 2) Stockpiling Regulations; 3) Transport of Nitrogen and Phosphorous to Subsurface Drain Water under Layer Hen Manure-Applied Field Plots.

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

Modules developed prior to 2008 are available upon request.		
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	Drag Hose/Rupture Video 6 minutes
	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	Safety and Spill Response Trailer Video 10 minutes
		Pump Safety Video 13 minutes
		Infiltration of Manure, Movement to Tiles and Ways to Minimize Risk of Rapid Export from tile 40 minutes
		Q and A Panel Discussion 20 minutes
	Dry Manure Program	
	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	

Supporting Training Materials

Three fact sheets, prepared by the IDNR, were distributed to manure applicators via the training workshops in 2010.

- DNR 113, Separation Distances for Land Application of Manure (revised January 2003)
- DNR 115 Commercial Manure Applicator Certification (revised October, 2004)
- DNR 116 Manure Applicators Certification (revised October, 2004)

The three fact sheets were also linked on the Manure Applicators Certification web page, a component of the IMMAG web page, and were made available at Iowa Pork Congress and association meetings.

In addition, examples of manure nutrient laboratory results were distributed in the confinement site workshop as case studies for discussing how to interpret manure samples. Copies of the fact sheets and other handout materials are available in Appendix 1.

Certification Workshops

Confinement Site Workshops

Training workshops for the 2010 Confinement Site Manure Applicator Certification program began in January 2010 and continued through February 2010. There were 69 training workshops in 61 counties. Due to winter weather conditions, 2 workshops were canceled, however they were rescheduled and completed prior to March 1. 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 staff has reported 1,514 confinement site applicators attended the certification workshops (by the date of this report). The 2010 Confinement Site program was presented by 14 Field Specialists including: 4 Agricultural and Bio-system Engineers, 9 Livestock Specialists and 1 Campus Specialist.

We attempted to have a confinement site certification workshop at the 2010 Iowa Pork Congress, but due to low enrollment the session was cancelled.

Commercial Applicator Workshops

The 2010 Commercial Manure Applicator program was delivered via satellite downlink on January 6, 2010. This downlink was broadcasted to 66 Iowa County Extension offices, one Nebraska County Extension office, and three Wisconsin County offices.

Portions of the program, which were delivered via the Commercial satellite downlink program, were also used to develop the training videotapes for the Commercial Applicator program.

The ISU Extension staff reported 681 commercial applicators attended the certification meetings, while ISUE has collected 918 commercial applicators evaluations. Please note the discrepancy in numbers reported for attendance as compared to the number of evaluations collected is due to the fact that not all county offices report attendance.

A commercial manure applicator training session was offered at the Agribusiness Expo on February 10 at the State Fairgrounds in Des Moines. Eighteen commercial applicators attended this training session.

A coordinated statewide “reshow” of the commercial manure applicator program was offered on August 19, 2009. This is not a live event, but an event where county offices “reshow” the training tape/dvd/webcast on a coordinated date and time. This event was held in 39 county Extension offices. The goal in offering this reshow is to reduce the number of times the county staff offer 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” is the taped program from the January event, it technically occurs in the new fiscal year and is included in this report. This event is publicized through press releases and a direct mail postcard to all commercial applicator businesses.

Dry Manure Workshops for Commercial and Confinement Site Applicators

In February, there were six dry manure applicator workshops held in the state of Iowa.

Date	Location	Attendance
February 10, 2010	Thompson	5 CFS; 21 Comm; 26 total
February 16, 2010	Washington	10 CFS; 13 Comm; 23 total
February 17, 2010	Ellsworth	11 CFS; 6 Comm; 17 total
February 19, 2010	Clarion	11 CFS; 28 Comm; 39 total
February 22, 2010	Storm Lake	11 CFS; 51 Comm; 62 total
February 23, 2010	Greenfield	8 CFS; 35 Comm; 43 total

These workshops provided the necessary three hours of training for those who were commercial applicators. The confinement applicators who attended these workshops benefited from the extra hour of information. The workshop topics discussed the current regulatory requirements for manure applicators, on-going changes to stockpiling rules and enforcement, and manure impacts on tile drainage.

Certification Workshop 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 questions for managers/owners as a result of this year's program, and as a result of last year's program. The goal in asking these questions was to determine if the applicators, who attended a meeting in the previous year, made changes to their management practices.

As a result of last year's program:

- 90% of the commercial applicators who responded said they had an increase in awareness/knowledge of safety issues regarding hydrogen sulfide and pumping pits.
- 39% reported they made changes to pumping and agitation procedures to reduce hydrogen sulfide bursts/releases.
- 61% stated they did not make any changes to their pumping and agitation procedures.

In addition, the managers/owners were asked if anyone working for their business ever killed animals when they were pumping/agitating pits. Of those who answered:

- 25% said they had killed animals while pumping/agitating pits.
- 69% said they had not killed animals while pumping/agitating pits.
- 7% reported they did not know or won't tell if they had.

Managers/owners were also asked if they thought they are seeing an increase in incidences of pit foaming.

- 48% reported they were seeing an increase in incidences of pit foaming.
- 52% said they were not seeing increase in incidences of pit foaming.

Then the managers/owners were asked soil management questions.

- 75% stated they could identify appropriate soil conditions in which to apply manure that could potentially reduce nutrient loss to tile lines.
- 12% said they could not identify them.
- 26% reported they would be interested in more information on controlled drainage.
- 74% stated they would not be interested in more information on controlled drainage.

Complete results of program surveys are included in Appendix 2. These results are continuously updated as we receive evaluations from County Extension offices. For the latest version of these files, please access the files on the web at: <http://www.agronext.iastate.edu/immag/maceval.html>. Evaluations from previous years are also available at this site.

An evaluation of the program was not offered in the 2010 confinement site program due to the need to collect data on foaming pits, fires and explosions in deep-pit confinements.

Advisory Committee

The 2010 MAC advisory committee met on August 6, 2009, at the ISU Field Extension Education Lab. Members in attendance at the meeting included ISUE Campus and Field Specialists, DNR staff, NRCS staff and members of the Iowa Commercial Nutrient Applicators Association. Program ideas were suggested, a review of forms was completed, and deadlines were set.

Promotional Materials

Promotional materials used in the 2010 Manure Applicator Certification programs were similar to that of previous years. A postcard was developed and distributed announcing the commercial applicator reshaw in August 2009. A postcard was developed for the January 2010 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 are attached in Appendix 3. Copies of the postcard and brochure were mailed to all currently certified commercial manure applicators and confinement site applicators in December 2009.

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.

A total of seven press releases were prepared and used by County Extension offices for local media. 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/pastevents10.html>. A list of workshop dates was distributed to attendees at the Iowa Pork Congress in January 2010. In addition, an article was prepared and distributed through the November 2009 *Iowa Pork Producer Magazine* found at <http://www.iowapork.org/Portals/iowapork/Nov%2009%20Mag.pdf>. Another article was also prepared for the Iowa Commercial Nutrient Applicators Association newsletter. A copy of this article is included in Appendix 3. 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 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 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 22, 2009, February 26, 2010; April 12, 2010 and July 9, 2010.

Partnerships

In FY10, in addition to the normal partnerships with IDNR, member of ICNAA, ITF, IPPA, ICA, ISDA and IPA, the 2010 manure applicator certification program partnered closely with the Agricultural and Biosystems Animal Waste Management team to support the Upper Midwest Manure Handling Expo and to obtain the necessary training video footage used in the 2010 MAC program.

Future Needs

Fiscal year 10 has seen 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. 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, 2010, is attached in Appendix 4 per article 5.12 of the contract.

Appendix 1.

- DNR 113 Separation Distances for Land Application of Manure
<http://www.iowadnr.com/afo/files/sepdstb4.pdf>
- DNR 115 Commercial Manure Applicator Certification
<http://www.iowadnr.com/afo/files/commappcert.pdf>
- DNR 116 Manure Applicators Certification
http://www.iowadnr.com/afo/files/conf_12.pdf
- Beef Manure Nutrient Analysis Example
- Liquid Swine Manure Nutrient Analysis Example
- Layer Manure Nutrient Analysis Example

**Appendix 2.
Evaluation Summary**

2010 Commercial Manure Applicator Evaluation Summary

**2010 Commercial Manure Applicator
Certification Evaluation**

Iowa State University Extension

Iowa Summary of Data Collected as of 3/31/10

Total Responses from 1/6/10

Satellite Uplink: 485 Responses Collected: 918

Section 1- Please rate today's information	Excellent	Good	Fair	Poor	No Response	Total Responses
1. Rules Update	269 29%	587 64%	58 6%	4 0%	0 0%	918
2. Manure and Tile Concerns	270 29%	555 60%	78 8%	12 1%	3 0%	918
3. Liability Issues	302 33%	523 57%	82 9%	7 1%	4 0%	918
4. Ruptured Hose Video	349 38%	472 51%	72 8%	12 1%	13 1%	918
Section 2- Overall evaluation:	Agree	Undecided	Disagree	Does Not Apply	No Response	Total Responses
5. The information presented today was useful to me as a commercial manure service representative?	757 82%	117 13%	18 2%	21 2%	5 1%	918
6. The presenters were prepared and knowledgeable.	810 88%	90 10%	6 1%	7 1%	5 1%	918
Section 3- As a result of last year's program: (Do not answer if you did not attend)						
	Yes	No			No Response	Number of those who Responded
7. Do you have an increased awareness/knowledge of safety issues regarding hydrogen sulfide and pumping pits?	689 90%	75 10%			154 17%	764
8. Did you make any changes to pumping and agitation procedure to reduce hydrogen sulfide bursts/releases?	288 39%	448 61%			182 20%	736
If yes, please describe:	Please see attached sheet					

Section 4-(For completion by managers/owners only) As a result of this year's program:

	Yes	No	Don't know	Won't Tell	No Response	Number of those who Responded
9. Have you or anyone working for your commercial applicator business ever killed animals when pumping/agitating pits?	120 25%	331 69%	23 5%	9 2%	435 47%	483
10. Do you think you are seeing an increase in the incidences of pit foaming?	222 48%	245 52%			451 49%	467
11. What do you think is causing the pit foaming?	Please see attached sheet					
	Yes	No	Need more Information	Don't Care	No Response	Number of those who Responded
12. Can you identify the appropriate soil conditions in which to apply manure that could potentially reduce nutrient loss to tile lines?	363 75%	60 12%	46 10%	13 3%	436 47%	482
13. Would you be interested in more information on controlled drainage?	124 26%	351 74%			443 48%	475

**Appendix 3
Brochures and Press Releases**

Statewide Re-Show of 2009 Commercial Manure Applicator Training to be Aug. 19
<http://www.extension.iastate.edu/news/2009/jul/162901.htm>

Statewide Reshow of 2009 Commercial Manure Applicator Training Scheduled for _____ County
<http://www.extension.iastate.edu/news/forstaff/2009/jul/162902.htm>

**ICNAA Newsletter August 2009
Commercial Manure Applicator Certification Training Opportunity**

Annual Confinement Site Manure Applicator Workshops Scheduled for 2010
<http://www.extension.iastate.edu/news/2009/nov/163004.htm>

2010 Confinement Site Manure Applicator Training Scheduled in -- County
<http://www.extension.iastate.edu/news/forstaff/2009/nov/163001.htm>

Commercial Manure Applicator Training Scheduled for Jan. 6, 2010
<http://www.extension.iastate.edu/news/2009/nov/163003.htm>

Commercial Manure Applicator Training Scheduled for --County
<http://www.extension.iastate.edu/news/forstaff/2009/nov/163002.htm>

**ICNAA Newsletter Article December 2009
Commercial Manure Applicator Training Scheduled for January 6**

**2010 Confinement Site Manure Applicator Workshop Schedule- - Iowa Pork
Producer Magazine, November 2009**
<http://www.iowapork.org/Portals/iowapork/Nov%2009%20Mag.pdf>

Dry Manure Applicator Certification Offered
<http://www.extension.iastate.edu/news/2010/jan/161502.htm>

2009 Commercial Manure Applicator Re-Show Postcard

**2010 Confinement Site Manure Applicator Workshop Reminder Postcards
Templates (2)**

2010 Confinement Site Manure Applicator Brochure

2010 Commercial Manure Applicator Postcard

Statewide Re-Show of 2009 Commercial Manure Applicator Training to be Aug. 19

7/29/2009

AMES, Iowa-- Iowa State University Extension in cooperation with the Iowa Department of Natural Resources (DNR) will conduct a statewide re-show of the 2009 Commercial Manure Applicator satellite downlink on Wednesday, Aug. 19, from 9 a.m. to noon.

This is an opportunity for commercial manure applicators who have not fulfilled their 2009 training to do so before the busy fall manure application season. Applicators wishing to become certified for the first time also can attend. The workshop will provide the required three hours of annual training. Applicators who have already attended training in 2009 do not need to attend.

There is not fee for the workshop but applicators must register with the county extension office where they plan to attend by Friday, Aug. 14. A list of counties offering the commercial manure applicator program is available at: <http://www.agronext.iastate.edu/immag/certification/09macreshow.pdf>.

If you have questions about the statewide reshaw of the 2009 satellite downlink program, contact your ISU Extension county office or on the Web at <http://www.agron.iastate.edu/immag/mac.html>

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7/28/09

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Statewide Re-show of the 2009 Commercial Manure Applicator Training Scheduled for _____ County

Commercial manure applicators who have not fulfilled their 2009 manure applicator certification training requirements can attend the three hours of annual continuing instruction required to maintain their manure applicator certification on Wednesday, August 19, 2009 from 9 a.m. to noon. Iowa State University Extension (ISU) and the Iowa Department of Natural Resources (DNR) will conduct a statewide re-show of the 2009 Commercial Manure Applicator Satellite Downlink at that time. There is no fee to attend the workshop, but commercial applicators must register by August 14, 2009, by calling the _____ County ISU Extension Office at _____ (phone number).

Applicators unable to attend the program on August 19, 2009, need to schedule time at their local ISU Extension County Office to watch the training videotape. Due to scheduling conflicts, many Iowa State University Extension Offices will no longer accept walk-in appointments to watch these tapes. If attending the re-show of the satellite program or watching the three-hour tape is not convenient, commercial applicators may contact their local DNR field office to schedule an appointment to take the certification exam to meet certification requirements.

Commercial manure applicators who have already completed training for 2009 are not required to attend.

If you have questions about the statewide re-show of the 2009 Commercial Manure Applicator Satellite Downlink, contact the _____ County Extension Office at _____ (phone) _____ or go to <http://extension.agron.iastate.edu/immag/mac.html>

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Confinement Site Manure Applicator Workshops Scheduled for 2010

11/30/2009

AMES, Iowa -- Confinement site manure applicators and anyone interested in learning about applying manure should plan to attend one of the 2010 two-hour workshops being offered in January and February by Iowa State University (ISU) Extension. There is no fee to attend the workshops, but certified 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 66 confinement site applicator workshops will be held in 59 Iowa counties. In addition, a series of five dry manure 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/2010confinementbrochure.pdf>.

Workshop participants will learn about land application rules, separation distances for land application of manure, newly proposed rules regarding winter application of manure on snow-covered and frozen ground, and case studies regarding manure spills. This is the twelfth year that ISU Extension has offered the training in cooperation with Iowa Department of Natural Resources.

The workshop 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. If a confinement livestock operation has more than 500 animal units the operator must be certified to apply manure unless the manure is applied by a commercial manure applicator. 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. Training video tapes are available for viewing by contacting an ISU Extension county office and scheduling a viewing time. Applicators renewing their license cannot apply manure until they have met the certification requirements and submitted the correct forms and fees to the Iowa Department of Natural Resources. If applicators can't attend the training workshops, they can take the certification exam at their DNR regional field office to complete 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>.

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2010 Confinement Site Manure Applicator Training Scheduled in _____ County

Confinement site manure applicators should plan to attend a two-hour workshop offered by Iowa State University (ISU) Extension and the Iowa Department of Natural Resources in January or February 2010 to maintain manure applicator certification requirements. 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 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.”

Workshop participants will learn about land application rules and proposed rules for application of manure on snow-covered or frozen ground. Applicators will also review manure spill case studies and how to interpret a manure analysis report. 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 workshop to be an excellent way to stay on top of manure regulatory requirements,” 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. There is no fee to attend the workshop and only those needing to be certified must pay the certification fees.

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. Training video tapes will be available for viewing sometime in February by contacting the ISU Extension county office and scheduling a viewing time.

If you have questions about meeting dates and locations, or if you need to schedule an appointment to attend training, contact the _____ County Extension Office at _____ (phone) or visit <http://www.agronext.iastate.edu/immag/mac.html> to see the 2010 workshop schedule.

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11/23/09

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Commercial Manure Applicator Training Scheduled For Jan. 6, 2010

11/30/2009

AMES, Iowa -- Commercial manure applicators can attend three hours of annual training to meet commercial manure applicator certification requirements on Wednesday, Jan. 6, 2010. Iowa State University (ISU) Extension and the Iowa Department of Natural Resources (DNR) will conduct a Commercial Manure Applicator Satellite uplink from 9 a.m. to noon. Registration begins at 8:30 a.m. There is no fee for the workshop but applicators must register by Dec. 31 with the ISU Extension county office where they plan to attend. A complete list of county extension offices offering this workshop can be found at: <http://www.agronext.iastate.edu/immag/certification/10macprogrampostcard.pdf>.

Commercial manure applicators wishing 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 on snow-covered and frozen ground, liability issues and manure impacts on tile drainage. In addition, video from the 2009 Manure Expo will feature personal safety and manure spill response safety as part of the required programming.

All currently certified commercial manure applicator licenses will expire on March 1, 2010. 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. If an applicator attended training for the first time in the fall of 2009, they should make plans to attend training again in January 2010 to meet the annual requirements.

Those unable to attend the program on Jan. 6, need to schedule time with their ISU Extension county office to watch the training videotape. Please note that training videotapes may not be available until mid February so applicators should make every effort to attend the satellite program on Jan. 6. Due to scheduling conflicts, many extension offices will no longer accept walk-in appointments to watch these tapes. If attending the satellite program or watching the three-hour tape is not convenient, commercial applicators may contact their local DNR field office to schedule an appointment to take the certification exam to meet certification requirements.

In addition to the commercial manure applicator training offered on Jan. 6, ISU Extension also will offer five dry manure workshops for commercial manure applicators in February 2010. Information regarding these workshops and locations is also contained in the brochure link above.

If you have questions about the satellite downlink program, contact your ISU Extension county office or visit <http://extension.agron.iastate.edu/immag/mac.html>.

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Contacts :

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

Rachel Klein, Agronomy, (515) 294-6685, raklein@iastate.edu

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

Commercial Manure Applicator Training Scheduled for _____ County

Commercial manure applicators should plan to attend the Commercial Manure Satellite downlink scheduled for Wednesday, Jan. 6, 2010 from 9 a.m. to noon. Iowa State University (ISU) Extension 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. 31 by contacting the _____ County ISU Extension Office at _____(phone number).

Commercial manure applicators wishing 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 on snow-covered and frozen ground, liability issues, and manure impacts on tile drainage. In addition, video from the 2009 Manure Expo will feature personal safety and manure spill response safety as part of the required programming.

All currently certified commercial manure applicator licenses will expire on March 1, 2010. 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. If an applicator attended training for the first time in the fall of 2009, they should make plans to attend the training again in January 2010 to meet the annual requirements.

Applicators unable to attend the program on Jan. 6 need to schedule time at their ISU Extension county office to watch the training videotape or webcast. Please note that training videotapes may not be available until mid February so applicators should make every effort to attend the satellite program on Jan. 6. Due to scheduling conflicts, many ISU extension offices will no longer accept walk-in appointments to watch these tapes. If attending the satellite program or watching the three-hour tape is not convenient, commercial applicators may contact their local DNR field office to schedule an appointment to take the certification exam to meet certification requirements.

If you have questions about the commercial applicator satellite downlink contact the _____ County Extension Office at _____(phone)_____ or go to <http://extension.agron.iastate.edu/immag/mac.html>

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11/23/09

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**Press Release from the 2010 Confinement Site Manure Applicator Workshop
Schedule- - Iowa Pork Producer Magazine, November 2009**

Dry Manure Applicator Certificate Workshops Offered by Extension

1/15/2010

AMES, Iowa---Iowa State University Extension will offer a three-hour manure applicator certification workshop for dry manure operators on six different dates and locations in February 2010. The certification workshop is for both confinement site manure applicators and commercial manure applicators who primarily apply dry manure.

"The information in this workshop will benefit not only those needing certification, but anyone who uses poultry manure as a fertilizer source," says Angie Rieck-Hinz, coordinator of the Manure Applicator Certification Program. "Producers interested in best management practices to get the most from the manure as fertilizer should stay current on recent research results looking at poultry manure nutrients."

Workshop topics will include land application rules, new rules, stockpiling requirements, poultry manure water quality research, and a look at some prototype equipment for "banding" dry 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.

Each workshop will begin at 1 p.m. Please register for one of the workshops by calling the number listed with the selected site. Workshop locations and dates are:

- Feb. 10, Branding Iron Restaurant, Thompson. Call (641)584-2261 to register.
- Feb. 16, Washington County Extension Office, Washington. Call (319) 653-4811 to register.
- Feb. 17, Ellsworth Public Library, Ellsworth. Call (515) 832-9597 to register.
- Feb. 19, Heartland Museum, Clarion. Call (515) 532-3453 to register.
- Feb. 22, Buena Vista County Extension Office, Storm Lake. Call (712) 732-5056 to register.
- Feb. 23, Greenfield Chamber of Commerce meeting room, Greenfield. Call (641) 743-8412 to register.

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2009 Commercial Applicator Re-Show Postcard

2010 CONFINEMENT SITE MANURE APPLICATOR WORKSHOP

Date:

Time:

Location:

Telephone:

This is your reminder for the 2010 Confinement Site Manure Applicator Workshop in your area. Please remember to bring your Driver's License and/or Applicator Certification Card with you. For a complete list of 2010 statewide workshops dates see:

<http://www.agronext.iastate.edu/immag/certification/10confdates.html>

Iowa State and U.S. Department of Agriculture Cooperating Extension programs are available to all without regard to race, color, national origin, religion, sex, age or disability.

SAVE THE DATE

2010 CONFINEMENT SITE MANURE APPLICATOR WORKSHOP

Date:

Time:

Location:

Telephone:

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SAVE THE DATE

2010 CONFINEMENT SITE MANURE APPLICATOR WORKSHOP

Date:

Time:

Location:

Telephone:

SAVE THE DATE

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2010 Confinement Site Manure Applicator Brochure

<http://www.agronext.iastate.edu/immag/certification/2010confinementbrochure.pdf>

2010 Commercial Manure Applicator Postcard

<http://www.agronext.iastate.edu/immag/certification/10macprogrampostcard.pdf>

MANURE APPLICATOR CERTIFICATION EXPENSES
 July 1, 2009 to June 30, 2010

Salary	69,514.14
Benefits (Salary & Hourly)	21,531.25
Subtotal Personnel.....	91,045.39
Travel.....	7,064.57
Supplies	337.60
Other	
Contracted services.....	4,039.13
County extension workshops, meeting rooms and office asst.	50.00
Phone and computer	998.37
Satellite downlink expenses	1,125.00
ICN in-service.....	0.00
Postage	2536.47
Printing/Copying.....	2154.76
Subtotal (other).....	10,903.73
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
Total Spent to Date	109,351.29
Encumbrances	
..... (field specialists' salaries, benefits and travel	
Video production staff salary and travel).....	
.....	76,708.71
Total Spent.....	186,060
Balance	0.0