

2007 Manure Applicator Certification Program
July 1, 2006 to June 30, 2007
Agreement Number 07-7112-01
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 the ninth 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. 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 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 2007 Confinement Site Manure Applicator program focused on 1) Review of Rules, Land Application Separation Distances, Fees, Paperwork and Recordkeeping Requirements; 2) Soil Compaction Issues: Causes, Symptoms, and Control; 3) Manure and Crop Production Issues including; soil test potassium (K) levels from long-term manure application, soils sampling requirements and how to soil sample, P Index implementation schedule and other agronomic issues. A complete listing of modules by year, and time allocated is presented in Table 1.

Commercial Manure Applicator Program

Materials developed for the 2007 Commercial Manure Applicator program were via email and offers suggested by Extension Field Specialists and IDNR staff. The program materials were delivered with PowerPoint presentations in live format via the annual satellite downlink held on January 5, 2007.

The 2007 Commercial Manure Applicator program included the following modules:

1) A Review of Rules, Land Application Separation Distances, Recordkeeping Requirements, Employee Substitution, Paperwork and Fees; 2) Manure Application and Fuel Savings, 3) Soil Compaction Issues: Causes, Symptoms, and Control, 4) Manure Spills, and 5) Drag Hose Operation. A complete listing of modules by year, and time allocated is presented in Table 1 (prior to 2001, program was not developed into modules).

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

Year	Confinement Site Manure Applicator Program	Commercial Manure Applicator Program
2001	Sampling Manure 20 min.	Recordkeeping 20 min
	Manure Nutrient Research 20 min.	Emergency Action Plan 30 min
	Emergency Action Plans 30 min.	Rules 30 min
	Rules 25 min	Manure Application Techniques 45 min
	Recordkeeping 25 min	Case Studies 30 min
		Questions and Answers 25 min
2002	Feeding Strategies for Nutrient Management 30 min	Rules
	Equipment Calibration 20 min	Case Studies
	Dead Animal Disposal 30 min	Pumping, Hauling and Land Application Issues
	Equipment Options and Land Application Concerns 20 min	Interview with County Supervisor – road and bridge damage, weight restrictions (video)
	Dry Manure Issues (optional) 20 min	
2003	Phosphorus and Water Quality 40 min	Land Application Rules; Separation Distances and Review of Matrix Implications 40 min + 10 min Q and A
	Review of Rules 40 min	Manure Application Equipment effects on Odor, Residue Cover and Crop Yields 40 min
	Earthen Basin Inspection (video) 20 min	Case Studies and Manure Spill Responses 15 min
	Recordkeeping 20 min	Pollution Liability Insurance 20 min
		Iowa Commercial Nutrient Applicators Association 10 min
		Phosphorus and Water Quality Issues 30 min + 15 min Q and A
2004	Review of Rules; Land Application Separation Distances; Recordkeeping 50 min	Review of Rules; Land Application and Separation Distances; Recordkeeping 50 min
	Manure Spill Response Kit and Simulated Manure Spill (video) 12 min	Manure Spill Response Kit and Simulated Manure Spill (video) 12 min

	Making your Manure Management Plan work for you 20 min	How to Read Manure Management Plans 30 min + 5 min Q & A
	Biosecurity Issues 20 min	Biosecurity Issues (video) 33 min
		Recommendations for Commercial Applicators during agitation & pumping 22 min
	Manure Pit Storage Safety 20 min	Iowa Commercial Nutrient Applicators Association 10 minutes
		How to complete forms and review of fees. 15 min
		Additional Q & A section 22 min
2005	Review of Rules, Land Application Separation Distances, Fees, Paperwork and Recordkeeping Requirements 25 min	Review of Rules, Land Application Separation Distances, Recordkeeping Requirements, Employee Substitution, Paperwork and Fees 30 min
	Hydrogen Sulfide Emissions during Pumping and Agitation 25 min.	Hydrogen Sulfide Emissions during Pumping and Agitation 35 min
	Soil Sampling for Regulatory Requirements 20 min	Equipment Weight Restrictions for 2005 25 min
	Introduction to RUSLE2 and the P Index and their use in Manure Management Plans 35 min.	Injector effects on soil, odor, residue and manure incorporation 45 min
	Question and Answers 15 minutes	Resources for Commercial Manure Applicators 15 min
		Question and Answers 30 min
2006	Review of Rules, Land Application Separation Distances, Fees, Paperwork and Recordkeeping Requirements 25 min	Review of Rules, Land Application Separation Distances, Recordkeeping Requirements, Employee Substitution, Paperwork and Fees 40 min
	Manure Sampling Strategies 25 min	Soil Infiltration Issues 35 min
	Best Management Practices—Feed Management 30 min	Biosecurity, Your Health, and Manure 50 min
	Best Management Practices—Biofilters 25 min	Economics of Manure Transportation and Utilization 35 min
	Question and Answers 15 min	How to complete forms and review fees 5 min
		Additional Q & A section 15 min
2007	Review of Rules, Land Application Separation Distances, Fees, Paperwork and Recordkeeping Requirements 40 min	Review of Rules, Land Application Separation Distances, Fees, Paperwork and Recordkeeping Requirements 35 min
	Manure and Crop Production Issues including; K levels, soils sampling requirements and how to soil sample, P Index implementation schedule and other 20 Agronomic Issues 40 min	Manure Application and Fuel Savings 37 min
	Soil Compaction Issues 30 min	Soil Compaction Issues 35 min
		Drag Hose Application Video 15 min
		Manure Spills 35 min
		Question and Answers 15 min
		Overhead Camera Form Demo 5 min

Supporting Training Materials

There were five fact sheets distributed to manure applicators via the training workshops in 2007. The first three fact sheets, prepared by IDNR and reviewed by ISUE, were distributed to both the commercial and confinement site applicators. The Soil Compaction Effects on Plant Productivity fact sheet was made available to the confinement site applicators. The Tractor Ballasting handout was made available to the commercial manure applicators.

- 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)
- Soil Compaction Effects on Plant Productivity
- Tractor Ballasting for Fuel Efficiency

The first three fact sheets were also linked on the Manure Applicators Certification web page- a component of the IMMAG web page, and are made available at field days, the Iowa Pork Congress and association meetings. Copies of these fact sheets are available in Appendix 1.

Certification Workshops

Confinement Site Workshops

Training workshops for the 2007 Confinement Site Manure Applicator Certification program began in January 2007 and continued through February 2007. There were 77 training workshops held in 69 county extension offices. In addition to the workshops, confinement site applicators could also meet training requirements by watching a two-hour videotape at their county Extension office.

ISU Extension staff has reported 1,418 confinement site applicators attended the certification workshops. Of those applicators, there were 1,049 who returned the evaluations to ISUE for the workshop they attended. There were 156 confinement site applicators who returned evaluations from watching a two-hour video at a county extension office for a total of 1,205 evaluations sent to Iowa State University Extension. A total of 75 training events were implemented for the 2007 Confinement Site program using staff resources of 20 field specialists in Agricultural and Biosystem Engineering and Agronomists. In addition, two livestock field specialists, several County Extension Education Directors and two campus Extension Program Specialists assisted with delivery of the program.

Commercial Applicator Workshops

The 2007 Commercial Manure Applicator program was delivered via satellite downlink on January 5, 2007. This downlink was broadcasted to 79 Iowa county Extension offices, one Nebraska county Extension office, one Wisconsin county office, and two Minnesota county Extension centers. The two Minnesota sites offered joint training for Minnesota and Iowa commercial applicators to meet the requirements of both states. This joint program was a 4-hour program that covered all the materials presented in the Iowa program and provided one extra hour of rules to meet the Minnesota requirements. This was the sixth consecutive year for this joint effort.

Portions of the program which were delivered via the Commercial satellite downlink program were also used to develop the training videotapes for both the Confinement Site Applicator and Commercial Applicator program. The module on rules was taped separately for the confinement site program. The satellite downlink was taped and edited accordingly to provide a two-hour and three-hour program respectively. Each county extension office received one copy of the two-hour Confinement Site Applicator Tape and one copy of the three-hour Commercial Applicator Tape. The tapes were produced and distributed within 2 weeks of the Commercial Manure Applicator Program to ensure the applicators had adequate time to view tapes prior to the annual March 1st uniform certification deadline. In addition, the Commercial Applicator program is available to applicators via a webcast program at all County Extension Offices.

The ISU Extension staff reported 690 commercial applicators attended the certification meetings, while ISUE has collected 844 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. From those evaluations, 468 were from applicators who attended the satellite downlink and 376 evaluations were returned from applicators viewing the videotape.

Specialty Certification Workshops/Training

In February, there were five dry manure applicator workshops held in the state of Iowa. On February 12, 2007, a workshop was held in Sac City, Iowa; February 13, 2007, in Greenfield, Iowa; February 23, 2007, in Clarion, Iowa; February 20, 2007, in Washington, Iowa and February 26, 2007, in Thompson, Iowa. 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, egg shell liming study, poultry manure research, application video, and avian influenza update. There were a total of 110 applicators in attendance; 22 applicators who attended the Sac City workshop, 23 applicators who attended the Greenfield workshop, 17 applicators attended the Washington workshop, 25 applicators attended the workshop in Clarion, and 23 applicators who attended the workshop in Thompson.

Certification Workshop Evaluations

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, and any changes in their manure management practices. The applicators were also asked if they had or would be willing to adopt the new practices. Some of the practices evaluated in 2007 were as follows:

- 52% of Confinement site applicators reported they have already developed and implemented a soil sampling plan to address the P Index, where as 32% reported they plan to develop one in the next 12 months.
- 41% of Confinement site applicators reported they have developed and implemented the P Index and the use of RUSLE2 for their manure management plans, and 40% reported they plan to adopt the P Index and the use of RUSLE2.
- 61% of Commercial applicators report they have addressed manure application timing to deal with possible soil compaction issues, while 16% plan to adopt these practices due to current training.
- 66% of Commercial applicators report they have trained employees to know what to do in the case of a spill or accident, while 14% plan to address this issue.

Again in the commercial program, we asked two questions which pertained to the previous year's program to determine what changes had been made in practices in the past year. 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:

- 59% of Commercial applicators said they adjusted application rates not only based on nutrient requirements, but also to address soil infiltration capacity; compared to 50% who said they planned to after the previous year's workshop.
- 52% of the Commercial applicators implemented equipment weight restrictions compared to 59% who said they planned to after the previous year's workshops.

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.

Advisory Committee

The 2007 advisory committee was made up of ISUE campus and field specialists, DNR staff, NRCS staff, and members of the Iowa Commercial Nutrient Applicator's Association. Most of the planning was done via email this year. Program ideas were suggested, a review of forms was completed and deadlines were set. This also included the development of the evaluation forms for both 2007 programs.

Promotional Materials

Promotional materials used in the 2007 Manure Applicator Certification programs were similar to that of previous years (Appendix 3). Brochures were developed for both programs to be used as an informational and recruitment tool. Copies of the brochures are attached in Appendix 3. Copies of the brochures were mailed to all currently certified confinement sites and commercial applicators in December 2006. A total of five press releases were prepared and were 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/pastevents06.html> (<http://www.extension.iastate.edu/ipic/events.html>). A list of workshop dates was distributed to attendees at the Iowa Pork Congress in January 2007. In addition, an article was prepared and distributed through the *Iowa Pork Producer Magazine* found at: <http://www.iowapork.org/download/IPP-0611.pdf>.

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://extension.agron.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.

Budget

A copy of the budget expenditures as of June 30, 2007 is attached in Appendix 4. A final copy of the expenditures will be submitted within 60 days of the project's end date, per article 3.2 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
- Manure Ballasting
- <https://www.extension.iastate.edu/Pages/agron/ForStaff/2007/manureballasting.pdf>
- Soil Compaction Effects on Plant Productivity
<https://www.extension.iastate.edu/Pages/agron/ForStaff/2007/soilcompaction.pdf>

**Appendix 2.
Evaluation Summaries**

2007 Confinement Site Manure Applicator Evaluation Summary

2007 Commercial Manure Applicator Evaluation Summary

2007 Dry Manure Applicator Evaluation Summary

2007 Confinement Site Manure Applicator Certification Evaluation

Iowa State University Extension

Summary of Data Collected as of 6/30/07

Workshops attendees: 1049 Videos attendees: 156 Total Responses: 1205

Please rate today's information	Excellent	Good	Fair	Poor	No Response	Total
1. Rules update	537 45%	624 52%	27 2%	3 0%	14 1%	1205
2. Manure & Crop Production Issues	554 46%	600 50%	25 2%	1 0%	25 2%	1205

Overall evaluation:	Agree	Undecided	Disagree	Does Not Apply	No Response	
1. The information presented today was useful for my farm operation.	1058 88%	91 8%	4 0%	42 3%	10 1%	1205
2. The presenters were prepared and knowledgeable.	1140 95%	34 3%	2 0%	18 1%	11 1%	1205

As a result of today's training workshop will you:	Plan to Adopt	Adopted Prior	Choose not to Adopt	Does Not Apply	No Response	
1. Develop and implement a soil sampling plan to address the P-Index?	390 32%	630 52%	5 0%	136 11%	44 4%	1205
2. Develop and implement the P Index and use of RUSLE2 for your manure management plan.	482 40%	495 41%	13 1%	154 13%	61 5%	1205

2007 Commercial Applicator Certification Evaluation

Iowa State University Extension

Summary of data collected as of 6/30/07

Workshop attendees: 468 Video attendees: 376 Web Cast: 0

Total Responses: 844

Information that was presented	Excellent	Good	Fair	Poor	No Response	Total
1. Rules Update:	212 25%	505 60%	111 13%	11 1%	5 1%	844
2. Compaction Issues	159 19%	459 54%	193 23%	29 3%	4 0%	844
3. Fuel Savings:	174 21%	372 44%	202 24%	92 11%	4 0%	844
4. Manure Spills and Response:	201 24%	441 52%	139 16%	41 5%	22 3%	844
Overall Evaluation						
	Agree	Undecided	Disagree	Does Not Apply	No Response	
1. The information presented today was useful to me as a commercial manure service representative?	574 68%	180 21%	60 7%	23 3%	7 1%	844
2. The presenters were prepared and knowledgeable?	640 76%	153 18%	31 4%	8 1%	12 1%	844
As a result of today's training workshop, will you:						
	Adopted Prior to Current Training	Plan to Adopt because of Current Training	Choose not to Adopt	Does not Apply	No Response	
1. Do you address manure application timing to deal with possible soil compaction issues?	516 61%	133 16%	55 7%	117 14%	23 3%	844
2. Do you train employees to know what to do in the case of a spill or accident?	554 66%	119 14%	12 1%	131 16%	28 3%	844
As a result of last year's program you:						
	I Adopted	I did not Adopt	Did not Apply	No Response		
1. Did you adjust application rates not only based on nutrient requirements, but also to address soil infiltration capacity?	497 59%	72 9%	236 28%	39 5%		844
2. Did you implement equipment weight restrictions?	434 51%	80 9%	290 34%	40 5%		844

2007 Dry Manure Applicator Certification Evaluation

Iowa State University Extension

Summary of data collected as of 3/01/07

Workshop attendees: 110

Total Responses: 80

Information that was presented	Excellent	Good	Fair	Poor	No Response	Total
1. Rules Update:	29 36%	47 59%	4 5%	0 0%	0 0%	80
2. Eggshell Liming Study	37 46%	39 49%	4 5%	0 0%	0 0%	80
3. Poultry Manure Research	33 41%	41 51%	5 6%	1 1%	0 0%	80
4. Application Video	33 41%	44 55%	2 3%	1 1%	0 0%	80
5. Avian Influenza Update	39 49%	31 39%	4 5%	0 0%	6 8%	80
Overall Evaluation	Agree	Undecided	Disagree	Does Not Apply	No Response	
1. The information presented today was useful to me as a commercial manure service representative?	71 89%	8 10%	0 0%	0 0%	1 1%	80
2. The presenters were prepared and knowledgeable?	78 98%	1 1%	0 0%	0 0%	1 1%	80
As a result of today's training workshop, will you:	Adopted Prior to Current Training	Plan to Adopt because of Current Training	Choose not to Adopt	Does not Apply	No Response	
1. Evaluate distribution of poultry manure during application to change spread patterns?	45 56%	19 24%	0 0%	13 16%	3 4%	80
2. Change any practices based on the research material presented?	33 41%	30 38%	1 1%	12 1%	4 15%	80
As a result of last year's program you:	I Adopted	I did not Adopt	Did not Apply	No Response		
1. Did you implement a plan for how and where you stockpile manure to meet regulations?	46 58%	10 13%	21 26%	3 4%		80
2. Have you taken manure samples for nutrient analysis?	56 70%	4 5%	18 23%	2 3%		80

**Appendix 3.
Brochures and Press Releases**

Manure Applicators Should Plan to Meet Certification Requirements Now
<http://www.extension.iastate.edu/news/2006/aug/070101.htm>

2007 Confinement Site Press Release
<http://www.extension.iastate.edu/news/2006/nov/072803.htm>

2007 Commercial Manure Applicator Press Release
<http://www.extension.iastate.edu/news/2006/nov/072902.htm>

Joint Iowa-Minnesota Commercial Manure Applicator Training
<http://www.extension.iastate.edu/news/2006/nov/072903.htm>

**2007 Manure Applicator Certification- Know when and how- Iowa Pork
Producer Magazine, November 2006**
<http://www.iowapork.org/download/IPP-0611.pdf>

Dry Manure Applicator Certification Offered
<http://www.extension.iastate.edu/news/2006/jan/071001.htm>

2007 Confinement Site Manure Applicator Brochure
<http://extension.agron.iastate.edu/imag/certification/07csmacbrochure.pdf>

2007 Commercial Manure Applicator Brochure
<http://extension.agron.iastate.edu/imag/certification/06commacbrochure.pdf>

Manure Applicators Should Plan to Meet Certification Requirements Now

8/1/2006

AMES, Iowa -- Typically the manure application season on Iowa farms begins in mid to late August depending how quickly the crops begin to mature. Since this is normally a busy time of year with county fairs, the Iowa State Fair and harvest preparations beginning, applicators are reminded that they must meet certification requirements prior to beginning land application of manure.

Manure applicators who haul or handle manure from a confinement site facility with more than 500 animal units and commercial manure applicators are required by Iowa law to be certified to apply manure in Iowa.

Confinement site applicators must attend two hours of annual training to maintain their three-year license. Applicators must pay certification and education fees. After March 1 of the current year, applicators who are renewing their certificates also must pay a late fee.

"We estimate that nearly 400 confinement site applicators still need to attend training this year prior to land application to meet their yearly training requirements," said Angie Rieck-Hinz, Iowa State University (ISU) Extension program specialist. Confinement site applicators who do not attend yearly training will be required to take an exam to become eligible to recertify.

Producers who do not own livestock, but who haul and land apply manure to their own fields from a confinement facility with more than 500 animal units also must be certified to apply manure as a confinement site applicator.

Commercial manure applicators must attend three hours of training, or take and pass an exam annually. Commercial applicators renewing their licenses after March 1 will need to pay a late fee in addition to the certification fee and education fee. Commercial manure applicators are reminded they must be associated with a commercial manure service.

Commercial and confinement site applicators may meet certification requirements by scheduling an appointment with their local ISU Extension county office to watch a videotape or by contacting their local DNR field office to schedule an appointment to take the certification exam.

For more information about manure applicator certification requirements contact your local county extension office, visit the Manure Applicator Certification Web page at: <http://extension.agron.iastate.edu/immag/mac.html> or contact the regional DNR field office.

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Contacts :

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

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

Jean McGuire, Extension Communications and Marketing, (515) 294-7033, jmcguire@iastate.edu

Annual Workshops for Confinement Site Manure Applicators Scheduled for 2007

11/28/2006

AMES, Iowa -- Confinement site manure applicators should plan to attend a two-hour continuing education workshop offered by Iowa State University (ISU) Extension in January or February 2007 to maintain applicator certification requirements. A total of 77 workshops will be held in 69 counties. A series of five dry poultry manure certification meetings will be held in February. Contact your local ISU Extension County Office for a list of workshop dates and locations, or view a list of workshops at: <http://extension.agron.iastate.edu/immag/certification/07confdates.html>

"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.

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 in 2007. After passing the exam, confinement site applicator can become recertified by taking and passing a second exam on different day, or by attending a two hour workshops scheduled for January or February 2007.

During the workshop applicators will learn about manure application rules, record keeping requirements, phosphorus index manure plans, soil sampling requirements and the agronomic issues of using manure.

The workshop will also serve as initial certification for those applicants who are not currently certified. 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. In addition applicators will pay an annual education fee of \$25. There is no fee to attend a workshop. 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.

If you are renewing your license, you cannot apply manure until you have met the certification requirements and submitted the correct forms and fees to the Iowa Department of Natural Resources. If you can't attend a workshop, you need to schedule a time at your local ISU County Extension Office to watch the training videotape. Due to scheduling conflicts, many Extension Offices will no longer accept walk-in appointments to watch these tapes.

If you have questions about the Manure Applicator Certification Program contact your local ISU Extension County Office or go to: <http://extension.agron.iastate.edu/immag/mac.html>

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Contacts :

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

Jean McGuire, Extension Communications and Marketing, (515) 294-7033, jmcguire@iastate.edu

Commercial Manure Applicator Training Scheduled

11/28/2006

AMES, Iowa -- To help commercial manure applicators receive the three hours of annual continuing instruction required to maintain their manure applicator certification, Iowa State University (ISU) Extension and the Iowa Department of Natural Resources (IDNR) will conduct a Commercial Manure Applicator Satellite Downlink on Friday, Jan. 5, 2007, from 9 a.m. to noon. There is no fee for the workshop but applicators must register with the county extension office where they plan to attend.

Currently certified commercial manure applicators should receive a copy of the program registration brochure containing workshop locations in the mail in early December. If you do not receive a copy, please contact your county extension office or download a copy off the Web at:
<http://extension.agron.iastate.edu/immag/certification/07commmacbrochure.pdf>

Commercial manure applicators who want to recertify and those who want to certify for the first time should attend. The workshop will provide the required three hours of annual training and will cover applicator rules, recordkeeping requirements, soil compaction issues, fuel savings and manure spill response plans.

All currently certified commercial manure applicator licenses will expire on March 1, 2007. Those wanting to renew must complete training requirements and submit forms and fees to the DNR prior to March 1, 2007. Those who submit application materials after March 1 cannot apply manure until the materials are received by the DNR. They also will need to pay a late fee if the forms and fees are submitted to DNR after March 1. If an applicator attended training for the first time in the fall of 2006, they should make plans to attend the training again in January 2007 to meet the annual requirements.

Commercial applicators are encouraged to attend the satellite downlink program due to the uncertainty of when videotapes will be available for training in late January and February.

Those unable to attend the program on Jan. 5, need to schedule time at their local 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. 5. 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 IDNR field office to schedule an appointment to take the certification exam to meet certification requirements.

Applicators who want to take the exam may download a copy of the study guide manual to help prepare for the exam. The study guide is available at the following Web address:
<https://www.extension.iastate.edu/store/ListItems.aspx?Keyword=PM%201778>

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

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Contacts :

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

Joint Iowa-Minnesota Commercial Manure Applicator Training Scheduled Jan. 5

11/29/2006

AMES, Iowa -- Commercial or custom manure applicators who need to meet certification requirements in both Iowa and Minnesota should plan to attend the Jan. 5, 2007, commercial manure satellite uplink held in Nobles County and Mower County, Minnesota. This workshop will begin at 9 a.m. and continue until 1 p.m. to meet the regulatory requirements for both Iowa and Minnesota. Joint training will not be offered at any Iowa sites in 2007.

The program will cover the regulatory requirements for both Iowa and Minnesota, soil compaction issues, saving fuel during application and manure spill response. Registration starts at 8:30 a.m., the satellite program starts at 9 a.m. Applicators should plan to arrive prior to 9 a.m. to complete registration forms prior to the workshop. Applicators who need to meet certification requirements in both states will also need to pay certification fees in both states; however, there is no fee to attend the workshop.

The Nobles County workshop site will be held at the Nobles County Government Center in Worthington, Minn., and the Mower County workshop site will be held at the Mower County Courthouse in Austin, Minn. Complete program requirements and workshop locations can be found on the Web at:
<http://extension.agron.iastate.edu/immag/certification/07commmacbrochure.pdf>

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Contacts :

Angela Rieck-Hinz, Department of Agronomy, Iowa State University (515) 294-9590,
amrieck@iastate.edu

Joe Spitzmueller, Minnesota Department of Agriculture, (651)201-6615, Joseph.Spitzmueller@state.mn.us

Robert Koehler, Southwest Research/Outreach Center, University of Minnesota, (507) 752-7372,
koehl009@umn.edu

Jean McGuire, Continuing Education and Communication Services, (515) 294-7033, jmcguire@iastate.edu

Certification Workshops Offered for Dry Manure Applicators

1/18/2007

AMES, Iowa -- Iowa State University (ISU) Extension will offer a three-hour manure applicator certification workshop for dry manure operators on five different dates and locations in February 2007.

This certification meeting is for both confinement site manure applicators and commercial manure applicators who primarily apply dry poultry manure. Although confinement site manure applicators are only required to attend two-hours of annual training, this meeting will be three hours in length to provide training to commercial applicators and all attendees will be required to stay for the three-hour workshop.

Workshop topics will include current regulatory requirements for manure applicators, an update on avian influenza, calibration and uniformity of application, a research update on poultry manure as a fertilizer source, and results of a study using eggshells as a liming source.

The workshops are free, however applicators will be required to submit certification forms and fees to the Iowa Department of Natural Resources to meet manure applicator certification requirements.

"These workshops not only helps meets certification requirement for manure applicators, anyone who uses poultry manure as a fertilizer source will benefit from attending by keeping current on recent research results looking at poultry manure nutrients," says Angie Rieck-Hinz, ISU Extension program specialist.

Workshop locations and dates include:

- Feb. 12, at 9 a.m. at the Sac County Extension Office, Sac City, (712) 662-7131
- Feb. 13, at 9 a.m. at the Adair County Extension Office, Greenfield, (641) 734-8412;
- Feb. 20 at 9 a.m. at the Washington County Extension Office, Washington, (319) 653-4811;
- Feb. 23, at 9 a.m. at the Heartland Museum, Clarion, (515) 532-3453;
- Feb. 26, at 9 a.m. at the Branding Iron Restaurant, Thompson, (641) 584-2261.

Please call the phone number above for the location you plan to attend to register for this workshop.

-30-

Contacts :

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

Jean McGuire, Extension Communications and Marketing, (515) 294-7033, jmcquire@iastate.edu

**Appendix 4.
Budget Summary**

MANURE APPLICATOR CERTIFICATION EXPENSES

July 1, 2006 to June 30, 2007

Salary	70,399.90
Benefits (Salary & Hourly).....	17,362.51
Subtotal Personnel	87,762.41
Travel	7999.43
Supplies.....	486.12
Other	
Contracted services	840.00
County extension workshops, meeting rooms and office asst.	13,870.00
Phone and computer.....	742.50
Satellite downlink expenses.....	3278.40
Printing/copying.....	2000.95
ICN in-service	0.0
Postage	1403.10
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Total Spent to Date	118,382.91
Encumbrances (field specialists).....	30,475.00
Balance	10,017.91