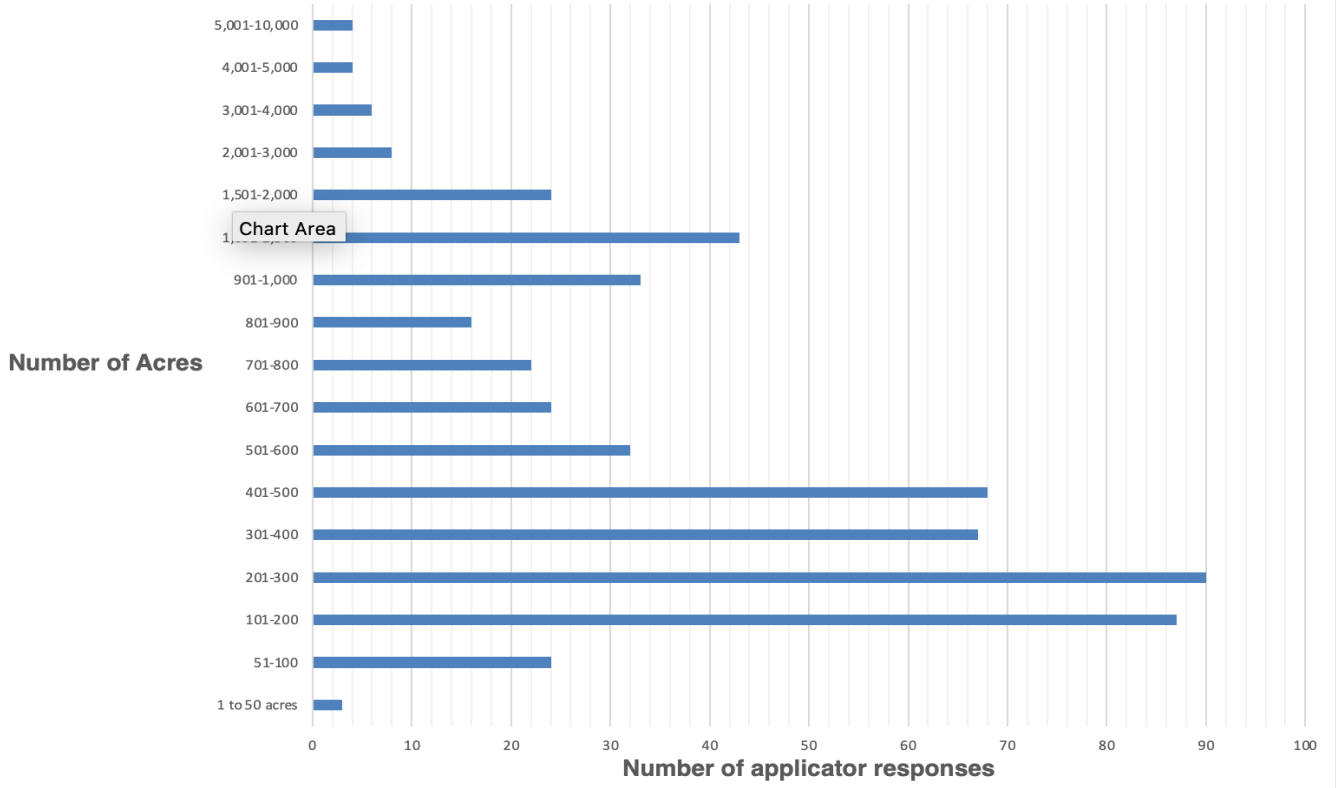


2020 Confinement Site Manure Applicator Certification Evaluation						
Iowa State University Extension and Outreach						
Responses from Workshops: 625		DVD	130	Total of all Responses Collected:		755
<b>Section 1- Please rate today's information</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>No Response</b>	<b>Total Responses</b>
1. DNR Confinement Site Rules Percentage	416 55%	324 43%	6 1%	0 0%	9 1%	755
<b>2. Land Application and Separation Distances</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>No Response</b>	<b>Total Responses</b>
Percentage	434 57%	302 40%	9 1%	1 0%	9 1%	755
<b>3. Swine Manure Deep-pit Foaming</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>No Response</b>	<b>Total Responses</b>
Percentage	443 59%	288 38%	8 1%	0 0%	16 2%	755
<b>4. Hydrogen Sulfide Safety</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>No Response</b>	<b>Total Responses</b>
Percentage	451 60%	278 37%	4 1%	0 0%	22 3%	755
<b>5. Evaluating Manure Storage Structures</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>No Response</b>	<b>Total Responses</b>
Percentage	370 49%	318 42%	14 2%	0 0%	53 7%	755
<b>6. Biosecurity Practices for Manure Haulers</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>No Response</b>	<b>Total Responses</b>
Percentage	428 57%	288 38%	7 1%	0 0%	32 4%	755
<b>Section 2- Overall evaluation:</b>						
	<b>Agree</b>	<b>Undecided</b>	<b>Disagree</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>Total Responses</b>
7. The information presented today was useful for my farm operation? Percentage	696 92%	32 4%	3 0%	5 1%	19 3%	755
<b>Section 3- Discussion Topics   Hydrogen Sulfide Safety</b>						
	<b>Yes</b>	<b>No</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>NA</b>	<b>Total Responses</b>
8 a. Because of training, have you purchased monitors? Percentage	87 12%	614 81%	1 0%	52 7%	1 0%	755
	<b>Yes</b>	<b>No</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>NA</b>	<b>Total Responses</b>
8 b. If NO, will you purchase them this year? Percentage	173 23%	431 57%	0	149 20%	2 0%	755
	<b>Yes</b>	<b>No</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>NA</b>	<b>Total Responses</b>
8 c. If you have monitors, do you use them when pumping and/or hauling?	100 13%	256 34%	0	397 53%	2 0%	755
8 d. If No, why don't you use the monitors?	See Tab 8 d.					
<b>Section 4 - Discussion Topics   Acres of Manure Application</b>						
9. How many acres do you apply manure nutrients?	See Tab 9.					
10. What rate do you apply the manure?	See Tab. 10					
	<b>Yes</b>	<b>No</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>NA</b>	<b>Total Responses</b>
11. Do you also apply anhydrous to any of the manure fields? Percentage	168 22%	513 68%	0	74 10%	0 0%	755
12. If yes, how many manured acres, on average, get the anhydrous?	See Tab 12.					
<b>Section 5 - Discussion Topics   Biosecurity Activity</b>						
	<b>Yes</b>	<b>No</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>NA</b>	<b>Total Responses</b>
13. Do you have a biosecurity practice in place for your farm(s)? Percentage	563 75%	142 19%	0	50 7%	0 0%	755
	<b>Yes</b>	<b>No</b>	<b>Does Not Apply</b>	<b>No Response</b>	<b>NA</b>	<b>Total Responses</b>
14. If you don't have a biosecurity practice in place, will you implement one on your farm(s) because of training? Percentage	180 24%	74 10%	0	479 63%	22 3%	755

**8d. If no, why don't you use them?**

apply dry cattle manure  
boss hasn't purchased them  
cattle  
cattle barn  
cattle facility  
cattle facility  
cattle feedlot  
cost  
cost  
cost and inconvenient  
cost too much  
cost too much, stay out of building  
cost, lifespan  
dairy  
dairy  
doesn't apply  
doesn't apply  
doesn't apply  
don't feel like spending the money  
don't have deep pits, have a lagoon  
don't have one  
don't have swine  
don't have them  
don't know enough about them  
don't own any  
don't pump  
don't pump manure  
don't think about it enough  
dry cattle manure  
dry manure  
dry manure  
empty barn before pump if possible  
haven't deemed necessary  
haven't got around to it  
Haven't purchased them, but need to.  
haven't thought it to be an issue  
hire most pumping if not vacuum tank  
I don't have pit barns  
I don't have purchasing power  
I have no good reason  
it's just me and not worried about it  
looking into getting one  
more aware of conditions  
my employer didn't buy one  
never got them  
never hear of them, first year  
no  
no deep pits  
no foam  
no hogs  
no hogs  
no need  
no pigs  
no response  
not my farm  
not my money or barns to make decisions  
not planning on hauling our own manure  
not supplied by employer  
only pump outside lagoon  
other precautions are used - will get if I have to go into confined space  
our pits are outside  
outdoor dairy lagoon  
outdoor lagoon  
probably would lose it or forget I have it  
pull plug shallow pit  
pump only dairy manure  
pump out of lagoon and harvestor  
pump outside pits  
risk considered small  
run fans, stay out of building  
shallow pit buildings  
sow manure - seems less volatile  
strive to keep buildings ventilated well while pumping  
turkey barns  
up to boss  
USDA - no money  
use for pits  
use plenty of fans on when emptying pits  
usually try have barn empty when pumping  
vac out manure  
vac out without agitating; if agitating is done by commercial applicator, while I am vacing  
very cautious when we pump  
we do dry application  
we don't go in the pit or any enclosed area  
we don't go into the barns  
we don't haul our own  
we don't pump very many gallons and never go in to barns or any confined area  
we have dry turkey manure  
we pump only open pits  
will inform employer  
work hasn't supplied them

### How many acres do you apply manure nutrients?









7,000  
7,000  
7,000  
7,000  
7,500  
7,500  
7,500  
7,500  
7,500  
8,000  
8,000  
8,000  
8,000  
8,000  
9,000  
9,000  
9,000  
10,000  
10,000  
10,000  
10,000  
10,000  
10,000  
10,000  
10,000  
10,000  
10,000  
13,000  
14,000  
14,000  
20,000  
20,000  
32,000  
32,000  
1,000 - 5,000  
1,700 - 2,000  
1,700 - 2,000  
1,800 - 3,500  
10 - 15 ton dry/acre  
10 - 15 ton dry/acre  
10 - 15 ton dry/acre  
10 - 25 tons, 3,000 - 5,000 gpa  
10 ton  
10 ton  
10 ton  
10 ton  
10,000 - 15,000  
10,000 - 20,000  
10,000 - 30,000  
100% available  
100% available  
100% available  
11 tons  
11,500 (sow manure)  
12 ton  
12 ton, 3,500 gallon  
15 ton  
15 ton  
15 ton  
15 ton - 20 ton, 15,000 - 20,000  
15 ton - 20 ton, 15,000 - 20,000  
15 ton - 20 ton, 15,000 - 20,000  
15 tons  
15 tons  
15,000 dairy  
16T  
18000 - dairy  
2 - 2.5 tons  
2 ton  
2 ton  
2 ton  
2 tons  
2 tons  
2,000 - 10,000  
2,000 - 2,500  
2,000 - 4,000  
2,000 - 5,000  
2,000 - 5,000  
2,000 - 6,000  
2,000 - 8,000  
2,400 - 4,000  
2,500 - 10,000  
2,500 - 3,000  
2,500 - 3,000  
2,500 - 3,500  
2,500 - 4,000  
2,500 - 4,500  
2,500 - 4,500  
2,500 - 5,000  
2,500 - 5,000  
2,500 - 5,000  
2,500 - 5,000

2,500 - 6,000  
2,500 - 6,000  
2,600 - 4,600  
2,600 - 4,600  
2,600 - 4,600  
2,600 - 6,700  
2,700 - 3,000  
2,700 - 4,500  
2,800 - 4,500  
2,800 - 4,500  
2,800 - 5,000  
2,800 - 5,000 depends on which building and surface vs injected  
2,800 - 6,000  
2,800 - 7,500  
2,800 - 8,000  
2,800 finish, 5,000 nursery  
2,800 finish, 5,000 nursery, 8,000 gestation  
2,800 finish, 5,000 nursery, 8,000 gestation  
2.5 tons/acre  
20,000 lagoon, 4,500 slurry store  
20,000 sow and 3,000 finishing  
200 to 220 lbs  
220 units of N  
25 tons  
25T/1 1/2 a  
3 ton  
3 ton  
3,000 - 3,500  
3,000 - 3,500  
3,000 - 3,500  
3,000 - 3,500  
3,000 - 3,500  
3,000 - 3,750  
3,000 - 4,000  
3,000 - 4,000  
3,000 - 4,000  
3,000 - 4,000  
3,000 - 4,000  
3,000 - 4,000  
3,000 - 4,000  
3,000 - 4,500  
3,000 - 4,500  
3,000 - 4,500  
3,000 - 5,000  
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3,000 - 5,000  
3,000 - 5,000  
3,000 - 5,000  
3,000 - 5,000  
3,000 - 5,000  
3,000 - 5,000  
3,000 - 5,800  
3,000 - 6,000  
3,000 - 6,000  
3,000 - 6,000  
3,000 - 6,000  
3,000 SB, 4,000 CC  
3,000 to 3,600  
3,000 to 4,000  
3,000 to 4,000  
3,200 - 3,500  
3,200 - 3,500  
3,200 - 4,500  
3,200 - 6,500  
3,200 finisher, 5,000 nursery, 7,000 sow  
3,200 finisher, 5,000 nursery, 7,000 sow  
3,200 finisher, 6,500 gestation  
3,300 - 15,000  
3,300 - 4,200  
3,400 - 4,500  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
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3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000  
3,500 - 4,000 - finisher, 5,000+ nursery  
3,500 - 4,300  
3,500 - 4,500  
3,500 - 4,500  
3,500 - 4,800



3,500 - 5,000  
3,500 - 5,000  
3,500 - 5,000  
3,500 - 6,000  
3,500 - 6,300  
3,500 - 7,000  
3,500 - 7,500  
3,500 - 9,000  
3,500 - 9,000  
3,600 - 10,000  
3,600 - 3,650 (average application rate to apply according to MMP)  
3,600 - 7,500 - depends on pit and MMP  
3,800 - 4,000  
3,800 - 4,200  
3,800 - 5,800  
3,800 - 5,800  
4,000 - 10,000  
4,000 - 10,000  
4,000 - 12,000  
4,000 - 4,200  
4,000 - 4,500  
4,000 - 4,500  
4,000 - 5,000  
4,000 - 5,000  
4,000 - 5,000  
4,000 - 5,000  
4,000 - 5,000  
4,000 - 5,000  
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4,000 - 5,000  
4,000 - 6,000  
4,000 - 6,000  
4,000 - 6,000  
4,000 - 8,000  
4,000 - 8,000  
4,000 - 8,000  
4,000 - 8,000  
4,000 - 8,000 depending on finishing or farrowing/gestation  
4,000 - 9,000  
4,000 - 9,000  
4,000 - 9,000  
4,000 - 9,000  
4,000 - 9,000  
4,000 - 9,000  
4,000 finisher manure, 12,000 sow unit  
4,000 or 10 ton  
4,000 or 10 ton  
4,000-6,000  
4,000-7,000  
4,200 - 4,800  
4,300 - 5,400  
4,500 - 5,000  
4,500 - 5,000  
4,500 - 6,000  
5 tons  
5 tons  
5 tons  
5,000 - 10,000  
5,000 - 10,000  
5,000 - 10,000  
5,000 - 6,000  
5,000 - 6,000  
5,000 - 6,000  
5,000 - 6,000  
6,000 - 24,000  
6,000 - 24,000  
6,000 - 24,000  
6,000 - 7,000  
6,500 - 7,000  
6,500 - 7,000  
7 ton  
8 ton  
8,000 - 12,000  
8,000 - cattle manure  
8,000 (sow), higher rate for irrigation  
9,000 dairy manure  
according to manure plan 3,000 to 6,000  
as recommended  
depends  
depends  
depends  
depends  
Depends on analysis  
Depends on analysis  
Depends on analysis  
depends on field  
depends on manure sample  
depends on manure sample

depends on manure sample  
depends on manure test  
depends on mmp and pit pumping out of  
Depends on soil and crop  
depends on soil sample and manure sample  
depends on sow or finish - 2,500 - 9,000  
depends on time of the year and soil samples; most of the time 8,000  
depends on type fo manure  
depends on yield goals and manure samples  
different each year - it's up to the MMP  
heavy - surface  
manure management plan  
manure management plan  
N based  
na  
no  
rate based on manure samples  
slow  
slow  
slow  
slow rate  
the rate that is recommended from DNR  
The rate that my manure management plan allows.  
usually 3,000 -3,500 - whatever MMP calls for  
variable rate  
varied  
varied - always under needed amount  
varies  
varies  
varies  
varies  
varies  
varies  
varies according to pit samples  
varies by crop and animal production  
varies by farm  
varies by farm  
various  
various  
what the MMP says  
whatever manure management calls for  
whatever manure management calls for  
whatever manure management calls for

**12. If yes, how many manure acres, on average, get the anhydrous?**

100

100

150

220

400

400

A lot

All

All

All fo them 300-400

Don't know, I don't do it.

NA

na

na

## 15. Comments

Talk about transporting manure from 1 barn to another that has foam in it.