



# Management Solutions



**Agronomic Solutions, LLC**

Winter 2018/2019 Issue



This is a seasonal publication produced by Agronomic Solutions, LLC for the confined feeding operators. Issues and information addressed in the newsletter will be geared towards animal feeding operation owners and managers. Hopefully you will find its contents useful in your operations. (260) 593-2092

## From all of us at Agronomic Solutions

Tiffany Rolin, TJ Franks, Brittney Miller, Janice Gingerich, Melissa Lehman, Cody Collyer, and Mandy Gangwer



Melissa Lehman and Agronomic Solutions honor *Janice Gingerich* for 10 years of service

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## Value of Manure - Customer Averages ...

The charts below show the average manure value per acre.

### Current Fertilizer Prices—December 13, 2018

28% Semi- prepay	560# N / ton	\$285 / ton	\$0.509 / # N
18-46-0	1040# P <sub>2</sub> O <sub>5</sub> / ton	\$531 / ton	\$0.511 / # P <sub>2</sub> O <sub>5</sub>
0-0-60 Semi	1200# K <sub>2</sub> O / ton	\$410 / ton	\$0.342 / # K <sub>2</sub> O

Swine Grower Pit			Dairy Lagoon		
N	32.2	\$16.39	N	7.4	\$3.77
P	20.5	\$10.47	P	6.2	\$3.17
K	26.3	\$8.99	K	12.2	\$4.17
	Per 1000 gal	<b>\$35.84</b>		Per 1000 gal	<b>\$10.04</b>

4000 gal / A = \$143.36 / acre

12,000 gal / A = \$133.20 / acre

Calf – Manure Pack			Duck—Liquid		
N	7.3	\$3.72	N	26.9	\$13.69
P	10.4	\$5.31	P	25.0	\$12.76
K	13.3	\$4.54	K	24.5	\$8.37
	Per ton	<b>\$13.57</b>		Per 1000 gal	<b>\$34.83</b>

15 ton / A = \$203.54 / acre

5,000 gal / A = \$174.13 / acre

Broilers (Layers) - Litter			
N	34.1 (34.1)	\$17.35	(\$17.35)
P	60.8 (85.6)	\$31.04	(\$43.71)
K	60.3 (60.3)	\$20.60	(\$20.60)
	Per ton	<b>\$69.00</b>	<b>(\$81.66)</b>

3.0 ton / A = \$207.00 (\$244.99) / acre

...now worth an  
average of  
\$184.37/ acre

## The Changing Value of Manure ...

This is a constant staple in each of our newsletters that we produce, as our goal is to constantly make you aware of the wonderful resource that you have on your farms!

If you look over the past few years you would notice that fertilizer prices maxed out when commodity prices were peaking back in the winter of 2015. Then they slowly started falling with the prices bottoming out during the spring of 2017. They are now slowly back on the rise, which means that your manure is gaining value.

Treat it as the prized jewel that it is and avoid additional fertilizer applications on fields that are covered with manure. Put that extra money in your bank account.

### Top 10 IDEM Violations in 2018 ...

1. No annual manure test or record. (#1 violation for most of the last 5 years)
2. Inadequate Land Application Records
3. Not complying with terms and conditions of approval
4. No current soil tests
5. Manure outside waste management system
6. No weekly Inspection or records
7. Storm water certification not completed
8. Waste management systems not maintained (woody vegetation)
9. No Emergency management plan available
10. Inadequate marketing and distribution records

### Be Compliant! ...

In 2018 IDEM reported that out of 630 inspections, 279 violations were cited. Not all violations are sent to Enforcement, but if they are the fines can range for \$1000 to \$25,000.

If you are IDEM permitted and have not joined our IDEM Compliance Program, this would be a good time to join. *The INDIANA insert page outlines the program we offer.* While we can't make you follow the rules, we will make sure that your record keeping, including manure testing, is up to date.

Be aware that anyone—including your neighbors—can look up ALL violations in VFC. Call us today and let us help you.

**Join our Compliance Program.**

**Let's work together to keep your name off the violation list!!**

## Winter To Do Checklist ...

Winter is a time to step back and catch your breath from the busy cropping seasons. To keep your competitive edge you must keep organized and educate yourself.

- Research & choose the best hybrids for your farm. ⇒ Send us any updated manure samples
- Attend Farm Shows and meetings to see new ideas and equipment. ⇒ Send us any new soil test information
- Visit your NRCS DC to learn about cost-share programs and opportunities. ⇒ Make sure weekly inspections are completed
- Update manure spreading and distribution records.  (MI) Complete annual NDPS report. Call and make an appointment if you want help or to review.
- Update IDEM/DEQ operating records binder.  Analyze yield maps with a professional, if available.
- Complete your planned nutrient budget for the 2019 crop.



### We have a sign!

Hopefully we will be easier to find from now on. Even though the sign is near the shop by the road, the office is still in the basement of the house. The door is on the south side of the house.

## Indiana News

### Update on Changes at IDEM ...



**Danae Schneck**, Northeast Region 2 Permit Writer (replacing Emily Kauffman) is our new IDEM application permit writer. She will be processing all of the information submitted to IDEM (apps, notices, changes, renewals) from the NE corner of the state. She is originally from Elkhart County. You can

contact her at (317) 234-8822 or [DSchneck@idem.in.gov](mailto:DSchneck@idem.in.gov).

### NEW "Distribution of Manure" forms ...

IDEM has recently changed their manure distribution forms, therefore we have changed our forms. You should have received our new forms that comply with IDEM for the distribution of manure if you are in the compliance program. If you sell or distribute manure, you must change over to the new forms. The big difference on the new form is that both the distributor and the recipient are required to sign it. If you did not receive the forms, or need more, please contact our office.

### Monitor Perimeter and Field Tile ...

A trigger for a violation and being sent to Enforcement is to have a manure spill. With the Great Lakes so close, people are watching and reporting suspected spills with more frequency.

Newly IDEM Permitted farms with a perimeter tile have a new Special Condition attached to their approvals that require them to monitor the drains MONTHLY to make sure that nutrients are not leaving with the tile water. A monitoring record must be kept with your Operating Records.

We advise that EVERYONE with Perimeter Tile or Field Tile should be monitoring the drains for nutrient loss. If a tile tests positive, stop the flow immediately by closing a valve and plugging the tile.

Use an **Ammonia-nitrogen Test Kit** for testing. Keep a test kit and tile plugs on hand at all times. The test kit should last for about a year. Call us for a test kit available for \$25.

Be watchful and proactive! If you find a problem with your tile, call the IDEM Spill Line at (888) 233-7745 (24 hours a day).

**Don't let someone else be the first to report that YOU have a problem!!!**



### Change is in the air in Michigan ...

Animal agriculture has been booming in Michigan over the past 2 years with many new poultry and swine facilities being sited and constructed. This recent flurry of activity has shown us that the opponents of animal agriculture have become more educated and engaged in our activities. Nasty editorials in local newspapers, attention on social media, public hearings, Siting appeals, and more eyes watching our operations has resulted in a push for more regulations - which leads to more information we must disclose. Fasten your seat belts and get ready for the next 2 years because I forecast change is in the air, all in an attempt to protect agricultural activities in Michigan.

## Michigan News

### MI CAFO's: New General Permit Coming ...

The current General Permit in your COC is set to expire on April 1, 2020. By law you are supposed to reapply for your next General Permit by October 1, 2019 (6 months prior to expiration). DEQ is right now going thru the process of meeting with Stakeholder groups and coming up with a draft of revisions that will be public noticed and adopted throughout this summer. We are assured that some changes are inevitable, and we will probably need to add more details to your spread maps as a part of the CNMP updates with the renewals due Oct 1. Keep tuned in for details on the proposed changes.

### MI Siting GAAMP Changes ...

In 2018 a provision was added to the Siting GAAMP to allow for an Appeal of MDARD's site suitability determination. This means that neighbors and local units of government can file for an appeal within 30 days of MDARD's site suitability determination being posted on their website. Unfortunately this avenue has been tested with multiple projects that we have put together, but so far all of our decisions have been upheld.

All the appeal activity is forcing MDARD to try to standardize the application process. Right now different consultants and applicants are turning in the required Siting information and maps in many different formats, styles, shapes and colors. MDARD is trying to format a new extensive application document that is a bit overwhelming to look at, but would streamline and unify the information collected for a Siting application to be reviewed.

The draft 2019 Siting GAAMP now available online is removing all references to local zoning and rules from consideration during the state's review process. This is a good thing 😊 MDARD is also considering changes to the OFFSET 2018 odor model that we are required to use in our applications. So, watch for further information.

### Changes at DEQ ...

**Alexis Gronda** started working for DEQ on Dec. 3rd, replacing Jen Klang as the CAFO Resource Specialist for the lower level counties in the Kalamazoo office. Jen was recently promoted to District Supervisor! Alexis will now be completing the site visits and processing the reports and information submitted on MiWaters. Contact her at (269) 330-8647 or [grondaa@michigan.gov](mailto:grondaa@michigan.gov)



# AGRONOMIC SOLUTIONS, LLC

Melissa Lehman  
PO Box 340  
Topeka, IN 46571

Phone: 260-593-2092  
E-mail: melissa@agronomicsolutionsllc.com



website: [agronomicsolutionsllc.com](http://agronomicsolutionsllc.com)  
Office location: 7070 S 500 W, Topeka, IN

## Dates to Remember ...

### Notice Michigan CAFOs...

April 1, 2019: MI CAFO Annual Reports are due  
(call Mandy to get started)

**SAVE THE DATE: JULY 31—AUGUST 1, 2019**

**North American Manure Expo 2019**  
at Fair Oaks, IN

See insert for the PARP meeting dates.

## **Are you planning new construction in the summer? START NOW!!**

You should be getting the permit application process started now so it can be submitted by the end of February. That goes for both State and County.

IDEM is required to make a final decision within 90-days of receiving the application. If they take the full 90-days and we submit it by the end of January, that would mean you do not receive approval until the end of May.

The county process can take just as long from starting the Site Plan to going through the Plat Meeting and getting the Building Permit.

Visit us at:

### **Fort Wayne Farm Show January 15, 16 & 17, 2019**

**Expo IV Booth 928**

Tuesday 9:00 AM – 5:00 PM

Wednesday 9:00 AM – 8:00 PM

Thursday 9:00 AM – 4:00 PM

**PARP/CCH credits available on Tuesday 1:30-3:30**  
at Allen County War Memorial Coliseum

### **Northern Indiana Grazing Conference February 1 & 2, 2019**

Friday 8:00 AM – 3:30 PM

Saturday 8:00 AM – 3:00 PM

at Michiana Event Center, Shipshewana

### **“Soak Up Your Resources” March 12, 2019**

9:00 AM – 3:30 PM

**PARP/CCH credits available**

**Lunch will be provided**

at Elkhart Co Fairgrounds, Goshen  
To register contact SWCD at 574-533-4383 ext 3