



## June 2021

### How does uncertainty impact the manure nitrogen application rate you select?

Iowa State University has promoted the Maximum Return to Nitrogen tool for a while as a great way to pick your nitrogen application rate, but with manures there are variations in nutrient content, equipment uniformity, and hitting application rate. How do these factors impact what the optimum application rate? In this month's [Manure Scoop](#), we take a look, head on over to read more.

### Corn Stover Harvest Workshops Planned in Central Iowa

Iowa State University Extension and Outreach will host six workshops to address emerging opportunities related to stover harvesting for the biomass feedstock needs of local industries including addressing traditional markets. Harvesting corn stover can impact economic, agronomic, and water quality production factors. The meetings will address many of the positives and negatives of stover harvesting and discuss how stover harvesting can be managed within corn production. Crop producers, landowners, crop consultants, agronomists, service providers and others with an interest in stover harvest and its removal from farm

fields are encouraged to attend these workshops. Verison North America representatives will also be available to discuss emerging market opportunities and to discuss their stover program. Dates, locations, and times are listed below:

- June 14 from 9:30-11:30 a.m. in Eldora; Youth Building, Hardin County Fairgrounds. Call the Hardin County office at 641-648-4850.
- June 15 from 3-5 p.m. in Webster City; Ed Prince Building, Hamilton County Fairgrounds. Call the Hamilton County office at 515-832-9597.
- June 18 from 3-5 p.m. in Ogden; Leonard Good Community Center. Call the Boone County office at 515-432-3882.
- June 21 from 3-5 p.m. in Marshalltown; Activity Building, Central Iowa Fairgrounds. Call the Marshall County office at 641-752-1551.
- June 24 from 3-5 p.m. and 7-9 p.m. in Nevada; Christy 4-H Hall, Story County Fairgrounds. Call the Story County office at 515-337-1601.



These workshops are a collaborative effort between Iowa Corn Growers Association, Verbio North America, and Iowa State University Extension and Outreach. There is no-cost to attend these workshops and all workshops are the same, so the participants need to attend at one location only. Participants can complete their [registration online here](#) or can call the extension

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office for the location where they want to attend or can fill out and mail in the registration form available [online in the workshop brochure](#). COVID-19 restrictions in place at the time of the workshops will be followed. To get more details, please read the [corn stover harvest news release](#) available online.

#### **Drainage school scheduled to teach drainage designs**

Iowa Drainage School will be held from August 24 to August 26, 2021 at the Borlaug Learning Center in Nashua, IA. This is a three-day school with each day including a combination of hands-on training, lecture and discussion, and problem solving using in-field examples. By attending this school, participants will be able to plan and layout subsurface drainage systems and workout estimated project costs. The purpose of the school is to train stakeholders in sub-surface drainage concepts, planning and laying out drainage systems including surveying a profile, laying out the system, calculating tile line sizes and spacing using actual field data, making connections, and setting up drainage control structures, NRCS program requirements, and fixing common drainage system issues. Drainage contractors, professional engineers and consultants, NRCS professionals, county administrators, landowners, IDDA officials, and anyone interested in subsurface drainage design and maintenance is encouraged to attend. Interested participants can learn more about the school and can register online at the [Iowa Drainage School Website](#).

#### **Biofilters: An Option for Odor Control**

For mechanically ventilated buildings, biofilters can be used as an effective odor control method. Using a bed of biological material, usually wood chips, ventilation air flows through the material. Moisture content must be monitored; by maintaining a moisture content of greater than 40%, cultures of microbes develop and absorb gases. Biofilters do require maintenance; air leaks and rodent control are two critical management issues. [More information about biofilters can be found on the AMPAT website](#).

#### **Events**

##### [Hunkering Down for Extreme Events](#)

Livestock and Poultry Environmental Learning  
Community Webinar  
June 18, 2021, 1:30 pm

##### [Iowa Swine Day](#)

Ames, Iowa  
June 24, 2021  
Pre-registration is required

##### [Manure Monday: Bioreactors](#)

July 12, 2021, 12:00 pm

##### [Manure Monday: Antibiotics in Manure](#)

August 9, 2021, 12:00 pm