2017 Drainage Research Forum
Iowa State University Alumni Center, Ames, Iowa

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00 AM</td>
<td>Registration and refreshments</td>
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<tr>
<td>9:30 AM – 9:45 AM</td>
<td>Welcome and introductions</td>
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<td></td>
<td>Chris Hay, senior environmental specialist, Iowa Soybean Association; Matt Helmers, professor, Agricultural and Biosystems Engineering, Iowa State University; Gary Sands, professor and department head, Bioproducts and Biosystems Engineering, University of Minnesota</td>
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<tr>
<td>9:45 AM – 10:15 AM</td>
<td>Edge-of-field subsurface drainage water quality monitoring</td>
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<td>Adam Kiel, operations manager, Environmental Programs and Services, Iowa Soybean Association</td>
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<tr>
<td>10:15 AM – 10:45 AM</td>
<td>Woodchip bioreactors: Strategies for enhanced performance and multi-contaminant removal</td>
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<td>Michelle Soupir, associate professor, Agricultural and Biosystems Engineering, Iowa State University</td>
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<tr>
<td>10:45 AM – 11:00 AM</td>
<td>Break</td>
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<tr>
<td>11:00 AM – 11:30 AM</td>
<td>Novel bioreactor media experiments to enhance microbial denitrification</td>
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<td>Lori Krider, graduate student, Bioproducts and Biosystems Engineering, University of Minnesota</td>
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<tr>
<td>11:30 AM – 12:00 PM</td>
<td>Nitrate removal in strategically placed wetlands</td>
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<td>Bill Crumpton, professor, Ecology, Evolution and Organismal Biology, Iowa State University</td>
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<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Lunch (provided)</td>
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<tr>
<td>1:00 PM – 1:30 PM</td>
<td>Wetland performance in Minnesota</td>
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<td>Chris Lenhart, research assistant professor, Bioproducts and Biosystems Engineering, University of Minnesota</td>
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<td>1:30 PM – 2:00 PM</td>
<td>Transforming drainage overview</td>
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<td>Ben Reinhart, project manager, Agricultural and Biological Engineering, Purdue University</td>
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<td>2:00 PM – 2:30 PM</td>
<td>Establishment of a drainage water recycling system</td>
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<td>Jeff Strock, professor, Soil, Water and Climate, University of Minnesota</td>
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<td>2:45 PM – 3:15 PM</td>
<td>Drainage water recycling on-farm storage sizing tool</td>
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<td>Ben Reinhart, project manager, Agricultural and Biological Engineering, Purdue University</td>
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<td>3:15 PM – 3:45 PM</td>
<td>Evaluating drainage water recycling benefits for crop production in Iowa</td>
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<td>Chris Hay, senior environmental specialist, Iowa Soybean Association</td>
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<td>3:45 PM</td>
<td>Forum concludes</td>
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