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**Ottawa Summer Workshop ■ High School Track**

**Wednesday, June 20, 2018**

8:00 a.m. **Registration and light breakfast**

8:30 a.m. **Welcome and Introductions** - Sharon Thielen & Erin Rios

8:45 a.m. **Explore Corn** -Blake Smith & Jed Heath

9:45 a.m. **Break**

10:00 a.m. **Fermenting Fuel-Designing a Procedure for Fast Fermentation & Ethanol-Corn Mash and Distillation** - James Burk & Adam Williams

Noon **Lunch**

12:45 p.m. **Genetically Modified Information** - Blake Smith & Jed Heath

1:15 p.m. **Decoding DNA-Modeling Protein Synthesis** - James Burk

1:45 p.m. **Feed the World-DNA to the Rescue** - Lacie Fair

2:30 p.m. **Break**

2:40 p.m. **Hitting the Bullseye- Accuracy and Precision in Laboratory Pipetting -** Lacie Fair

3:45 p.m. **Growing Degree Days -** Blake Smith

4:45 p.m. **Hotel Check-in** - Sure Stay Hotel by Best Western (212 E. 23rd St, Ottawa, KS 66067)

5:30 p.m. **Farm Visit** - Charlie and Jessica Brunker Farm (3775 Tennessee Rd, Ottawa, KS 66067)

 **Field Activities** -Corn Production
 -Yield Prediction
 -Scouting

6:30 p.m. **Reception**

7:00 p.m. **Farm Dinner**

**Thursday, June 21, 2018**

8:00 a.m. **Doors Open**

8:30 a.m. **Feed the World-DNA to the Rescue (wrap-up)** - Lacie Fair

8:45 a.m. **Protein Production Jackpot** - Lacie Fair & Adam Williams

9:45 a.m. **Ethanol-Corn Mash and Distillation** -James Burk & Adam Williams

10:45 a.m. **Break**

11:00 a.m. **DDG Nutrient Testing** -Adam Williams

11:30 a.m. **Ethanol Expert** - Bill Reeder

Noon **Break**

12:15 p.m. **Bus to Ethanol Plant** (box lunch on bus)

1:00 p.m. **Ethanol Plant Tour** -East Kansas Agri Energy (1304 S Main St, Garnett, KS 66032)

3:30 p.m. **Bus to School**

 -Q&A
 -Evaluation

4:30 p.m. **Depart and Teacher Workshop Kit**