

Draft Agricultural Technology & Mechanical Systems CDE 2015
The National/State Topic is "Integrated Pest Management"

1. Four person team **WILL MEET AT BUS at 1:15 PM SHARP** to depart for Bangor event location at EMCC in time for Mandatory Safety Seminar. Each team member must come to the event with all the following safety items:
 - a. Safety glasses
 - b. Welding helmet
 - c. Welding gloves
 - d. Appropriate clothing for the contest (CDE)

The CDE will be divided into six segments:

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| Segment #1: | Written exam on agricultural mechanics topics with emphasis on integrated pest management. See sample questions posted on website. There will be 30 questions. |
| Segment #2: | Team event. Honda generator engine pre-season tune-up - see Black Max engine manual posted on website. Included tasks: oil change, check spark plug, air filter, compression, and starting generator engine. |
| Segment #3 | Welding Project: See description and photos posted on website. Weld two pieces of square tubing to a piece of flat plate. Properly situate tubing and quality of weld will be judged by visual inspection. MIG and stick (6013 or 6011). |
| Segment #4 | Electrical Circuit Wiring Project: Working as team to wire a single pole controlling a duplex receptacle. |
| Segment #5 | Assemble two nozzles at 20 inch spacing for sprayer, select nozzle, and identify the parts. |
| Segment #6 | Bring to the event a <u>30 inch spray boom made entirely from copy paper</u>. This will be tested at Convention. Rules and specs on web. |

2. CDE Personnel
Superintendent Tom Hale

Judges: to be determined