

## **2014 NeGFA Fumigation Certification / Recertification – One-Day Program**

8:00 a.m. Registration

8:15 a.m. Laws and Regulations Update

- Laws and national initiatives
- State license types and requirements
- State law vs. federal law

8:45 a.m. Stored-Grain Insects: Identification and Biology

- Identification of pests and their damage; resistance issues
- Hands-on practice in identification; differentiating species that cause grain damage from incidental pests
- How biology affects grain quality; how biology affects response to fumigation

9:45 a.m. Break

10:00 a.m. Compliance: Phosphine Fumigant Label

- NDA interpretation of phosphine label language; formulations, toxicity, persistence, state inspections of applicator records
- Liability, prohibited application practices, application requirements; sealing, dosage and resulting concentration
- PPE requirements and demo of PPE; exposure limits; required monitoring; required placarding; railcar fumigation requirement

11:00 a.m. Sanitation & Monitoring

- Grain cooling and insect control
- Grain cooling and grain monitoring as part of insect control strategy

12:00 p.m. Lunch

1:30 p.m. Critical Variables: Fumigation Timing and Fumigant Movement

- Effect of air currents, grain temperature, grain moisture, and sealing on fumigation efficacy and worker safety

2:30 p.m. Phosphine Fumigants

- Grain: labels and management; fumigation application techniques/safety; equipment calibration, rates; rationale for selection of various formulations
- Phosphine movement in grain; phosphine labels and management

3:15 p.m. Fumigation Application Safety and Record-Keeping

- Grain fumigation safety and monitoring; safety during handling, mixing, applying, storing, transporting
- Methods to minimize hazards for applicator, general public; bin entry/confined space; fumigation safety in bulk storage; procedures for keeping spray records, log books
- Placement of fumigation for flat stores, metal bins, and large concrete bins

3:30 p.m. Testing or Adjourn