

2009 SAFETY & STEWARDSHIP SEMINAR AGENDA

Nov. 3, 2009 at Red Lion Hotel in Pendleton, Oregon

8:00 – 8:50 AM

FORMULATION BASICS: INERTS & ADJUVANTS & WHY WE NEED THEM

Allan Felso – Washington State University, Entomology & Environmental Toxicology

Much of the mystery regarding adjuvants (and materials in the formulation) is about breaking down surface tension. Photos of water droplets on plants, with and without surfactants, will readily illustrate the advantage of these so-called inerts in the formulation and the spray tank. Besides the surface tension of water being a limiting factor to bioactivity of pesticides, the remarkably low solubility of many active ingredients in water itself is also a limiting factor to preparation of a spray tank and to the spraying process. Adjuvants and formulating ingredients ensure a high "density" of active ingredient per unit volume of spray. The knowledge of how formulants and adjuvants affect spray quality can be put to practical use when trying to minimize drift.

8:50 – 9:40 AM

PESTICIDE GENERAL PERMIT- WATER QUALITY NPDES PERMIT

Beth Moore, Surface Water Management Program, DEQ

Summary of EPA's Final Rule on the application of pesticides directly to, over or near water—the 6th Circuit Court ruling and the NPDES—National Pollutant Discharge Elimination System Pesticide General Permit.

9:45 – 10:05 AM BREAK

10:05 – 10:55 AM

WORKING THROUGH THE CONFUSION OF ADJUVANTS

Rich Affeldt OSU, Central Oregon Extension & Experiment Station

Discussion of adjuvant classification, mode of action, labeling, regulation, and influence of pesticide efficacy in order to clarify some of the confusion that exists about adjuvants.

10:55 – 11:45 AM

OREGON PESTICIDE LAWS & REGULATIONS – CURRENT ISSUES

Janet Fults, Oregon Department of Agriculture

11:45 AM – 12:45 PM

LUNCH

Safety & Stewardship Seminar – Pendleton
Nov. 3, 2009

12:50 – 1:45 PM

AVOIDING COMMON PESTICIDE STORAGE MISTAKES

Leilani Monson, Oregon OSHA

Problems resulting from the improper storage of pesticides transcend multiple State (and Federal) jurisdictions. Pesticide storage violations as a group are one of the most frequently violated areas in OR-OSHA's Pesticide Emphasis Program. This presentation will assist growers in understanding the reasoning behind the regulations and provide them with the tools necessary to conduct their own assessments of their facilities to determine their own opportunities for improvement," prior to an OR-OSHA inspection.

1:45 – 3:00 PM

SOIL FUMIGANTS AND REDUCING THE RISKS FOR WORKERS & BYSTANDERS

Dirk Helder – U.S. Environmental Protection Agency, Boise, Idaho

What are the risks associated with the use of soil fumigants, such as metam sodium, metam potassium and dazomet, and how to manage health risks for workers and bystanders who live close by.

3:00 – 3:15 PM BREAK

3:15 – 4:05 PM

BACK TO BASICS

Laurie Gordon, Oregon Department of Agriculture

Review of Federal and State rules and regulations, Worker Protection Standards, pesticide licensing, calibration, calculations, pesticide formulations, terminology, etc. —set up as interactive game.

4:05 – 5:00 PM

DRIFT MANAGEMENT

Daniel Ball OSU, OSU, Weed Scientist

Fundamental principles of pesticide drift prevention, plus spray equipment adjustments, sprayer technology, weather considerations, and operator attitude toward spray drift will also be discussed.