

2005

Pesticide Safety 2005 - Pesticide Acronym Review 2005

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Pesticide Acronym Review



Marty Sylvia

UMass Extension

Cranberry Station





Who's who and What's what

- 
- ◆ MDAR
 - ◆ EPA
 - ◆ WPS
 - ◆ FQPA
- 



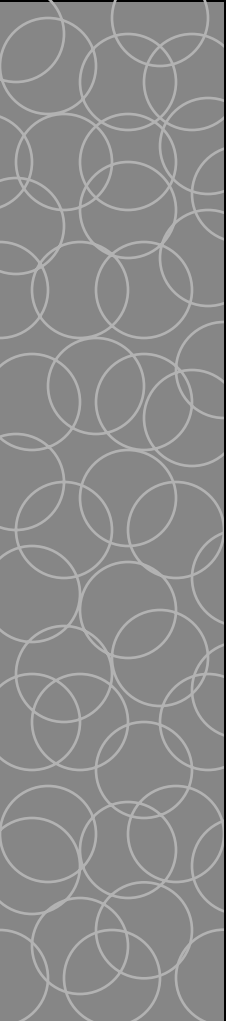
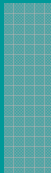
MDAR



Massachusetts Department
of Agricultural Resources

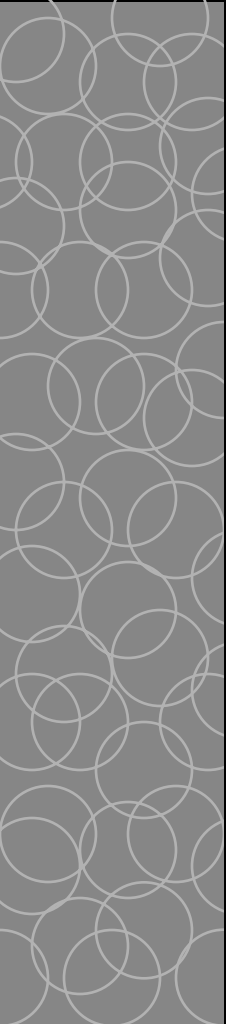


MDAR

- 
- ◆ Made up of 9 bureaus including dairy, land use and animal health
 - ◆ Pesticide Bureau
- 



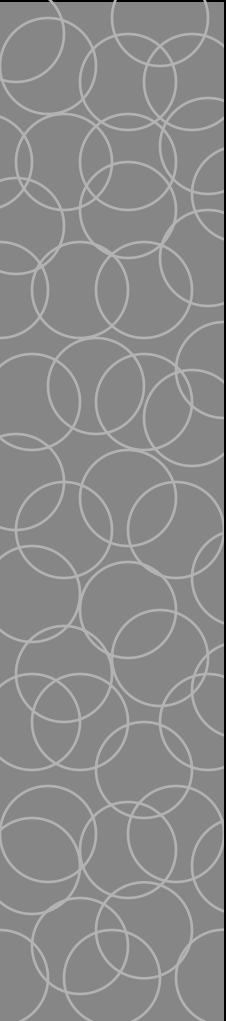
MDAR- Pesticide Bureau



The Pesticide Bureau protects public health and the environment by licensing individuals who apply pesticides. The bureau protects the public drinking water supply, provides guidelines for the mixing, loading, storage, and disposal of pesticides and registers chemicals used in the Commonwealth.

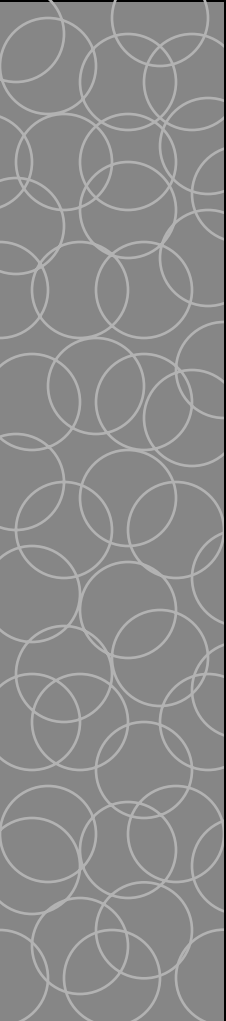


MDAR - Pesticide Bureau

- 
- ◆ Pesticide Licensing
 - Private Applicators Certification
 - Allows use of restricted use pesticides
 - ◆ Pesticide Enforcement - Inspections
 - ◆ Zone II issues
 - Intrepid, Kerb, Bravo, Simazine and Actara
 - ◆ Register pesticide products in Massachusetts



Restricted Use Pesticides

- 
- ◆ Bravo (chlorothalonil)
 - ◆ Actara (thiamethoxam)
 - ◆ Intrepid (methoxyfenozide)
 - ◆ Kerb (pronamide)
 - ◆ Princep, Caliber (simazine)
 - ◆ Diazinon, Lorsban, Guthion



Restricted Use Pesticides

- 
- ◆ Bravo
 - ◆ Actara
 - ◆ Intrepid
 - ◆ Kerb
 - ◆ Princep

MDAR fining
dealers who
are not
checking for
license



- ◆ Diazinon, Lorsban, Guthion



Groundwater Protection



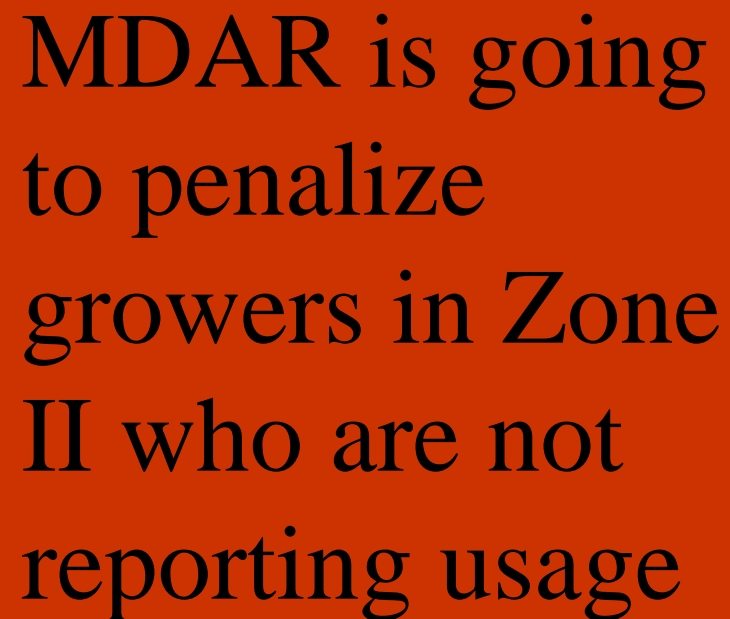
ZONE II RESTRICTED

- ◆ Actara (thiamethoxam)
- ◆ Intrepid (methoxyfenozide)
- ◆ Kerb (pronamide)
- ◆ Bravo (chlorothalonil)
- ◆ Princep, Caliber (simazine)



Groundwater Protection

- 
- ◆ Bravo
 - ◆ Actara
 - ◆ Intrepid
 - ◆ Kerb
 - ◆ Princep



MDAR is going to penalize growers in Zone II who are not reporting usage


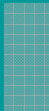


MDAR

- 
- ◆ Commissioner of Ag Resources
 - Douglas Gillespie
 - ◆ Director - Pesticide Bureau
 - Brad Mitchell
 - ◆ Pesticide Bureau –
Licensing/Certification Program
Coordinator
 - Lee Corte-Real (Mark Buffone)



MDAR

- 
- ◆ Environmental Analyst – Zone II
 - Gerard Kennedy
 - ◆ Toxicologist – Section 18's
 - Steve Antunes-Kenyon
 - ◆ Pesticide Enforcement
 - Mike McClean
 - Jill Warren
 - John Kenney
- 

EPA??





Environmental Protection Agency



The Federal Agency responsible for pesticide registrations (national) and issue Section 3's (full label).

Approves Section 18's (emergency exemptions)

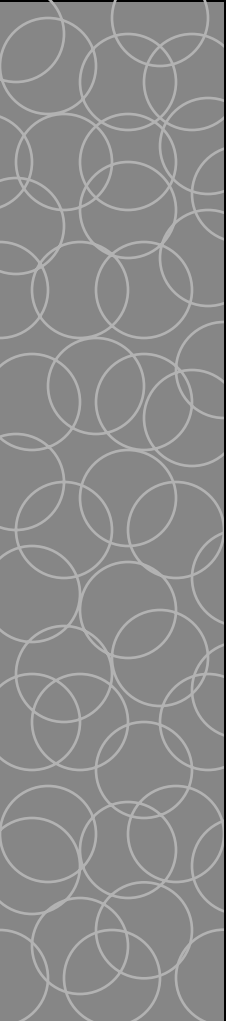
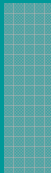
FQPA

WPS



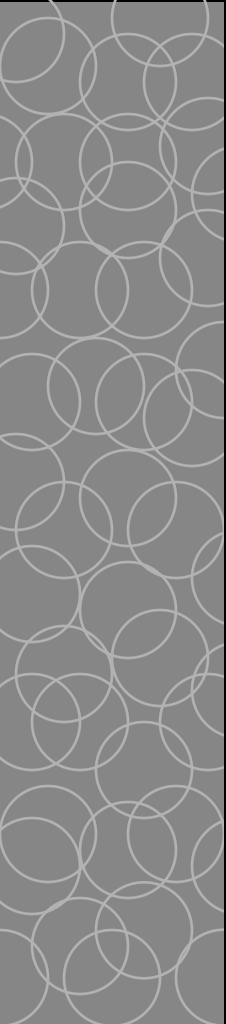


EPA's WPS

- 
- ◆ Worker Protection Standard
 - ◆ protect agricultural workers from the effects of exposure to pesticides
 - ◆ aimed at reducing the risk of pesticide poisonings and injuries among agricultural workers and handlers of agricultural pesticides
- 

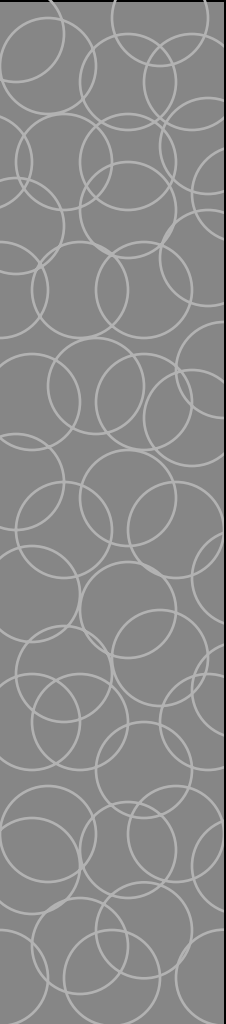


Requirements of WPS

- 
- ◆ pesticide safety training
 - ◆ notification of pesticide applications
 - ◆ use of personal protective equipment
 - ◆ restricted entry intervals following pesticide application
 - ◆ decontamination supplies
 - ◆ emergency medical assistance



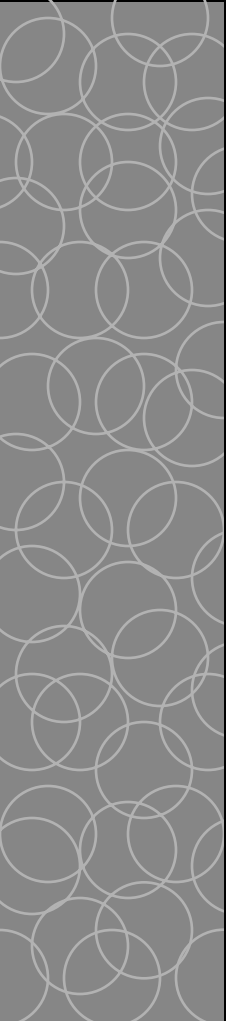
Workers exposed to pesticides?

- 
- ◆ mixing and loading the pesticide into application equipment
 - ◆ Applying pesticides
 - ◆ Handling irrigation/chemigation heads
 - ◆ Entering areas where pesticides have been applied to scout, weed, or repair heads

 - ◆ DO NOT NEED TRAINING IF YOU HAVE A LICENSE!



WPS Trainings

- 
- ◆ At the Cranberry Station Library
 - ◆ April 27 2-4
 - ◆ May 25 2-4
 - ◆ June 29 2-4
 - ◆ Send any workers, weeders, scouts, and mechanics. Training good for 5 years!
 - ◆ \$5 cost

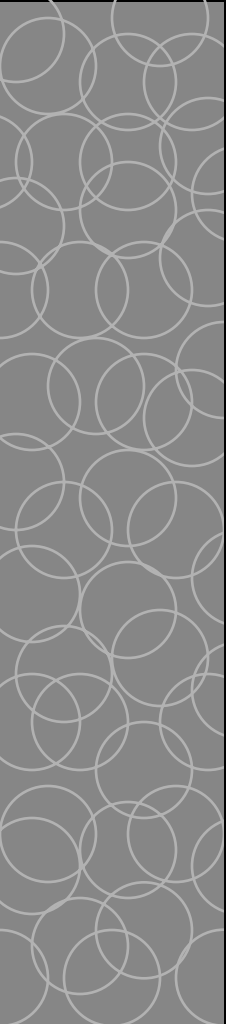


What is FQPA?





Food Quality Protection Act

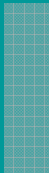
- 
- ◆ A law amending FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)
 - ◆ To strength the health-based safety standard for pesticide residues in all foods
 - ◆ Uses "a reasonable certainty of no harm" as the general safety standard



Food Quality Protection Act

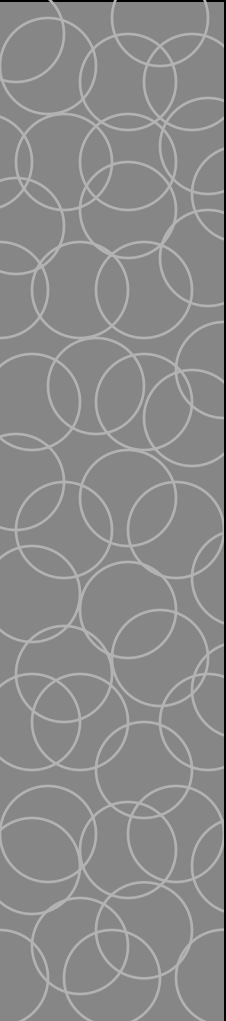


Tolerances include

- ◆ Non-occupational sources of exposure, including drinking water and residential exposure
 - ◆ Exposure to similar pesticides (common mechanism of toxicity)
- 



FQPA

- 
- ◆ Risk cup includes all uses
 - ◆ Reregistrations
 - Guthion changes, 7 day REI
 - Diazinon cancelled for home and garden use, maintained on cranberry
 - ◆ Weevil Compound



FQPA



Reregistrations


- ◆ Guthion changes – no more after 2005
- ◆ Diazinon changes – limited to 3 apps

Risk cup

- ◆ Avaunt – full label held up til 2007
- ◆ Actara – limited amount of ai



Summary

- 
- ◆ MDAR – State
 - ◆ EPA – Federal
 - ◆ WPS – get workers trained soon
 - ◆ FQPA – Combining uses of like compounds
- 