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Pesticide Jeopardy
California Invasive Plant Council Herbicide Laws and Regulations Session
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Category 1: Glyphosate

1. What can pesticide handlers do to prevent potential harmful effects of exposure to glyphosate herbicides?
 - a. Read and follow all pesticide label instructions *(1% answered)*
 - b. Wear personal protective equipment required by the label and California regulations *(0% answered)*
 - c. Wash your hands after making applications *(4% answered)*
 - d. **All of the above** *(65% answered)*

2. True or False – the classification of glyphosate by IARC as “probably carcinogenic to humans” has resulted in glyphosate products being restricted by the California Department of Pesticide Regulation.
 - a. True *(10% answered)*
 - b. **False** *(49% answered)*

3. Most glyphosate products are Category III – CAUTION. What does the signal word CAUTION indicate about a pesticide’s toxicity?
 - a. It is not toxic to humans *(7% answered)*
 - b. **It has low acute human toxicity** *(51% answered)*
 - c. It has low chronic human toxicity *(8% answered)*

4. Why is glyphosate not commonly found in groundwater sampling?
 - a. **It binds to the soil tightly** *(57% answered)*
 - b. It volatilizes easily *(12% answered)*
 - c. It is used infrequently *(1% answered)*

5. True or False – glyphosate is the only herbicide on the California Proposition 65 list that can be used without a restricted materials permit.
 - a. True *(13% answered)*
 - b. **False** *(41% answered)*

Category 2: PPE


1. In California, most chemical resistant gloves must be at least _____.
 - a. 6 mils thick (*18% answered*)
 - b. 14 mils thick** (*50% answered*)
 - c. 22 mils thick (*2% answered*)
2. When selecting safety glasses for use when handling pesticides, what must you look for?
 - a. They must pass the pencil test (*22% answered*)
 - b. They must conform to the curvature of your face** (*34% answered*)
 - c. They must seal around your face (*13% answered*)
3. Which of the following is part of the minimum required personal protective equipment (PPE) for an employee making a pesticide application in California?
 - a. Dust mask (*0% answered*)
 - b. Protective eyewear** (*67% answered*)
 - c. Chemical resistant boots (*4% answered*)
4. When removing PPE, when should gloves be washed?
 - a. Before removing all other PPE** (*22% answered*)
 - b. After removing eyewear but before removing a respirator (*7% answered*)
 - c. Only at the end of a work day (*21% answered*)
5. When applying pesticides in an area with thorny brush, can you wear leather gloves to protect your hands?
 - a. Yes (*18% answered*)
 - b. No (*27% answered*)
 - c. Sometimes** (*29% answered*)

Category 3: Pesticide Labels

1. Acute toxicity of a pesticide is usually measured by its _____.
 - a. Koc (*2% answered*)
 - b. LD-50** (*61% answered*)
 - c. Half-life (*5% answered*)
2. Which of these signal words indicates the highest level of toxicity?
 - a. Warning (*0% answered*)
 - b. Caution (*0% answered*)
 - c. Danger** (*65% answered*)

3. Which of the following parts of the pesticide label will help you avoid illegal pesticide residues?
 - a. **Pesticide rate** (37% answered)
 - b. Re-entry interval (12% answered)
 - c. Tank mix instructions (13% answered)

4. Which of the following licenses will allow you to purchase Knock ‘em dead 3SL?

RESTRICTED USE PESTICIDE		
<small>DUE TO ACUTE TOXICITY</small>		
<small>FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.</small>		
<p>Knock ‘em down 3SL Herbicide By ToxiK™</p> <p>A weed, grass, and harvest aid desiccant/defoliant herbicide.</p> <p>Active Ingredients:</p> <p>Paraquat dichloride (tetrachlorisophthalonitrile)43.2%</p> <p>Other Ingredients:.....56.8%</p> <p>Total:100.00%</p>	<p style="text-align: center;">Group 22 Herbicide</p> <p>Water Soluble Liquid</p> <p>Contains: 3.0 pounds paraquat cation per gallon as 4.14 pounds of dichloride salt per gallon. Contains emetic and stench (odor), and dye.</p> <p>EPA Reg. No. 000-000 EPA Est. 000-XX-000</p> <p>SCP 1364A-L1 0411 343162</p> <p>Net Contents 2.5 gallons</p>	<p>KEEP OUT OF REACH OF CHILDREN. DANGER/PELIGRO POISON/VENENO</p> <p></p> <p><small>Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)</small></p> <p><small>©2016 ToxiK, LLC, YourTown, YourState, 01234</small></p>

- a. Agricultural biologist (2% answered)
 - b. Pest control advisor (31% answered)
 - c. **Qualified applicator certificate** (32% answered)

5. Which of these pesticide application scenarios could result in illegal residues?
 - a. **Repeating an application at a shorter interval than what is on the label** (71% answered)
 - b. Applying a pesticide at a rate below what the label states (0% answered)
 - c. Harvesting a crop after the preharvest interval expires (2% answered)

Category 4: Respirators

1. Respirator fit tests must be repeated _____.
 - a. **Once a year**
 - b. Every time the respirator is used
 - c. Every time a new pesticide is used

2. Respirator user seal checks must be repeated _____.
 - a. Once a year (6% answered)
 - b. **Every time the respirator is donned** (48% answered)
 - c. Every time a new pesticide is used (6% answered)

3. N95 filtering facepiece respirators have to be replaced _____.
 - a. Every time a different pesticide is used
 - b. After 8 hours
 - c. **At the end of a day’s work**

4. Which of the following photos shows a respirator?



- a. A
- b. B
- c. C
- d. **All of the above**

5. Which of these people can be fit tested for a tight-fitting respirator?

Which of these people can be fit tested for a tight-fitting respirator?



- a. A (7% answered)
- b. B (0% answered)
- c. C (1% answered)
- d. D (9% answered)
- e. Both A and D (50% answered)

Note: the person in photo D has some stubble, which is why he cannot be fit tested for a tight-fitting respirator. However, the stubble was not easy to detect when the image was projected. This was deemed a tricky question.

Category 5: Safe Pesticide Handling

1. If you transfer a pesticide from its original container to another appropriate container, what 3 things are you required to put on the new container's label?
 - a. **Name of the pesticide, signal word, and name and address of the person responsible**
 - b. Name of the pesticide, EPA registration number, and the signal word
 - c. Name of the pesticide, percent active ingredient, and the name and address of the person responsible

2. Proper pesticide rinsing includes _____.
 - a. Rinsing all empty pesticide containers at the end of the day
 - b. **Rinsing remaining pesticide directly into the mix tank**
 - c. Throwing an empty pesticide container into the nearest locked dumpster

3. When transporting pesticide containers in a vehicle, where should they be stored and secured?
 - a. Inside the passenger compartment
 - b. On the floor of the cab of the truck
 - c. **In the cargo area of the truck**
 - d. Any of the above

4. What should you do with pesticide containers if you need to leave them unattended in a work vehicle?
 - a. Put them in the passenger compartment and lock the doors (*2% answered*)
 - b. Carry them with you and wear chemical-resistant gloves (*0% answered*)
 - c. **Leave them in the bed of the truck in a locked compartment** (*57% answered*)

5. Pesticide mixing and loading should occur at least how far from a wellhead?
 - a. 50 ft (*7% answered*)
 - b. **100 ft** (*26% answered*)
 - c. 200 ft (*29% answered*)

Final Category: Bonus Question

1. What is the maximum distance from your application equipment that you are allowed drift onto bystanders?
 - a. **0 ft**
 - b. 25 ft
 - c. 100 ft