

Pesticide Worker Safety Training

Requirements and Ways to Make it More Effective



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Field Workers



Pesticide Handlers



Federal, State and County Laws



Federal
Worker Protection Standard
(WPS)

EPA



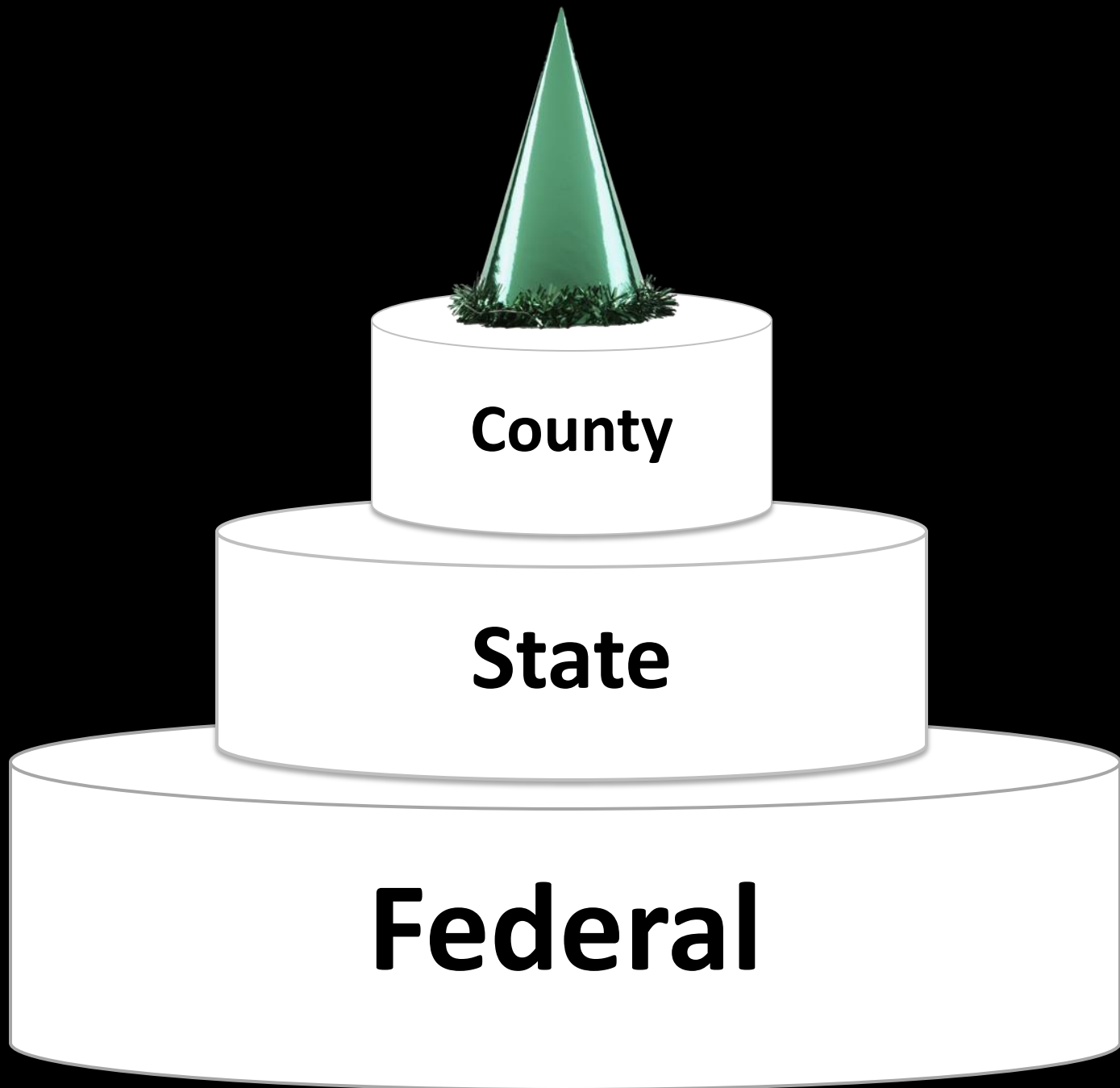
State
California Code of Regulations
(CCR)

CDPR



County
Regulations

Commissioners

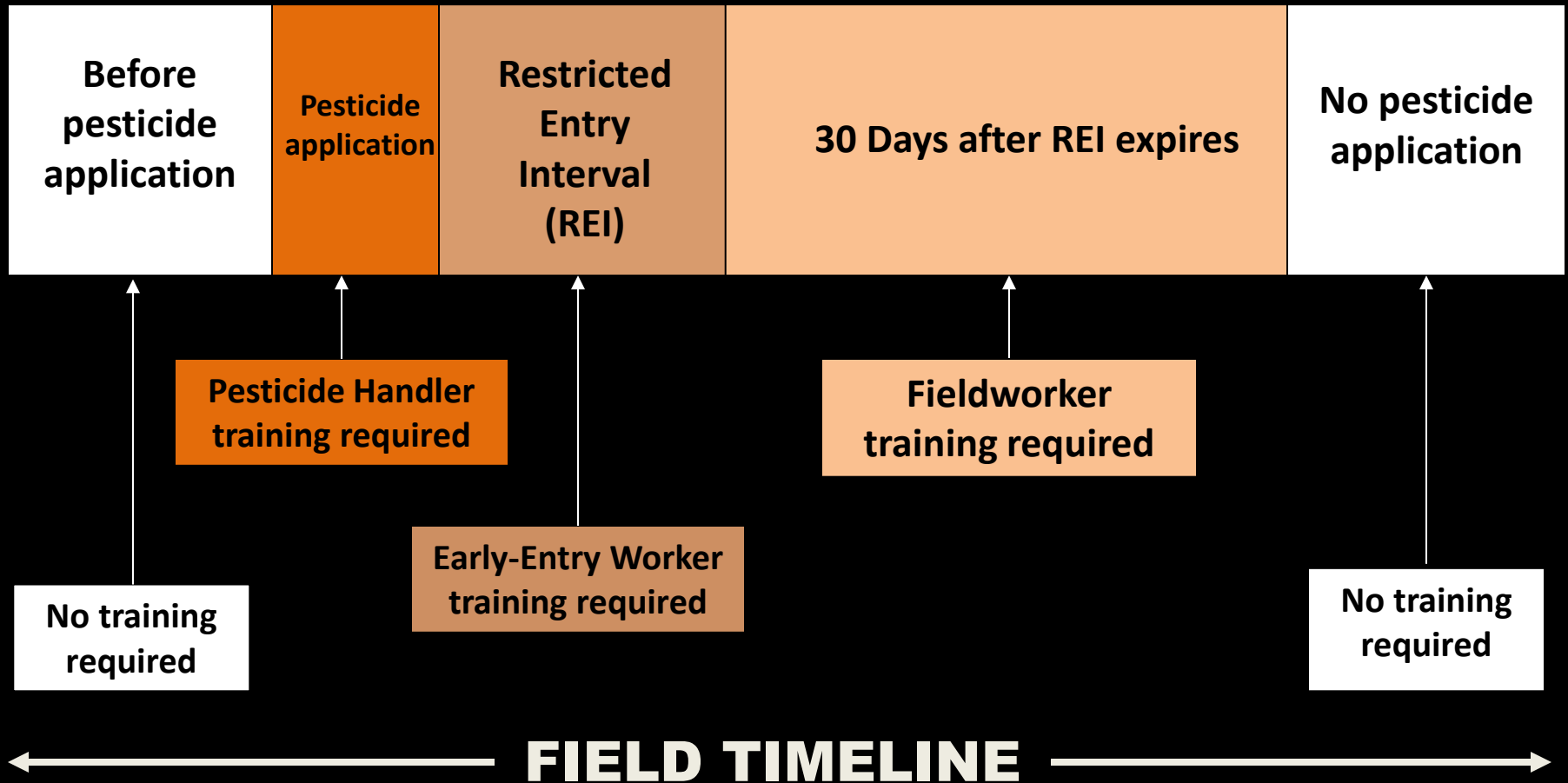


County

State

Federal

Training Timeline for Field Workers and Handlers



Section 6764 – Training Requirements for Field Workers

3 CCR § 6764

Title 3. Food and Agriculture

- Division 6. Pesticides and Pest Control Operations
Chapter 3. Pest Control Operations
- Subchapter 3. Pesticide Worker Safety
- [Article 3.](#) Field Worker Safety
- **§ 6764. Fieldworker Training.**

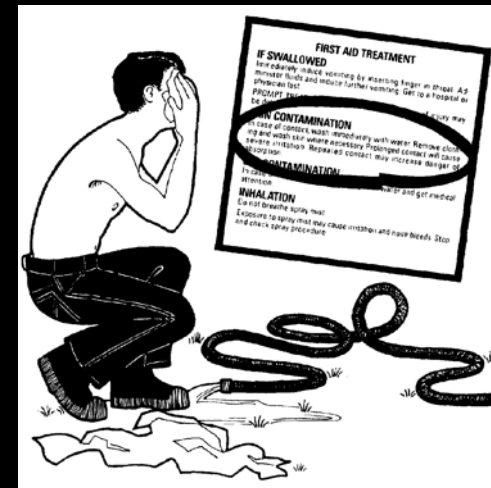
Training Requirements for Field Workers

1. Routine decontamination
2. REIs and posting requirements
3. Where fieldworkers encounter pesticides and residues
4. Routes of entry
5. Pesticide hazards



Training Requirements for Field Workers

6. Common signs and symptoms of pesticide over-exposure
7. First aid and emergency medical care
8. Warnings against bringing home pesticides or pesticide containers
9. Hazard communication program
10. Worker rights



Section 6724 – Training Requirements for Pesticide Handlers

3 CCR § 6724

Cal. Admin. Code tit. 3, § 6724

Title 3. Food and Agriculture

- Division 6. Pesticides and Pest Control Operations
- Chapter 3. Pest Control Operations
- Subchapter 3. Pesticide Worker Safety
- [Article 2.](#) General Safety Requirements
- **§ 6724. Handler Training.**

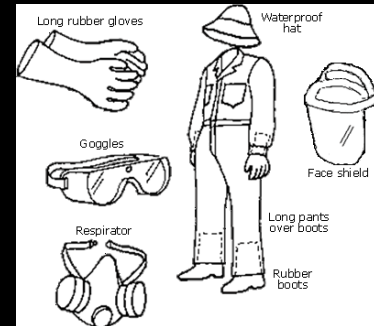
Training Requirements for Pesticide Handlers

1. Pesticide label information
2. Pesticide hazards
3. Routes of entry
4. Common signs and symptoms of pesticide over-exposure
5. First aid
6. Emergency medical care



Training Requirements for Pesticide Handlers

7. Routine and emergency decontamination
8. Personal Protective Equipment
9. Heat stress prevention
10. Handling, transporting, storing and disposing of pesticides
11. Environmental concerns



Training Requirements for Pesticide Handlers

- 12. Warnings against bringing home pesticides or containers
- 13. Laws and Regs, MSDS, PSIS
- 14. Medical supervision for OPs and carbamates
- 15. Hazard communication
- 16. Workers rights



Training Requirements – Pesticide Handlers

- Written program
- Every year
- Every new pesticide or group of pesticides



Written Training Program

WRITTEN TRAINING PROGRAM

Employer Name: _____

Trainer's Name: _____

Trainer's Qualification: _____ PA: _____ QAL/QAC: _____ PCA: _____

Training Materials:
Name of videos, pamphlets, or other training materials, and a brief description:

1. _____

2. _____

3. _____

4. _____

Pesticide labeling from the following products:

Pesticide Safety Information Series (PSIS) leaflets used:

Materials Safety Data Sheets (MSDS) for the following products:

Written Training Program

Pesticide Handler Training Record		Specific Pesticides			
Print EMPLOYEE'S Name:	Acc Applicant	Annual Training	Revised Pesticide	Pesticide	Date
EMPLOYEE'S Signature:	Acc Applicant				
Print EMPLOYER'S Name:	University of California				
Print TRAINER'S Name:	Lisa Bleeker				
Trainer Qualifications & Lic#:		QAC # 123456			
ASSIGNED JOB DUTIES <input checked="" type="checkbox"/> Mixer/loader <input type="checkbox"/> Applicator		<input type="checkbox"/> Operator/Repair <input type="checkbox"/> Flagger <input type="checkbox"/> Other	Trainer Initials		
			Employee Initials		
SUBJECTS as Specified in Section 6724(b) of the California Code of Regulations READ THE LABEL: Signal word, caution statements, first aid, rate, dilution volume. Applicable laws and regulations. MSDS and PISs label.					
PROTECTIVE CLOTHING AND EQUIPMENT: Coveralls, gloves, goggles, boots, respirator, apron. Equipment cleaning and maintenance.					
USE OF ENGINEERING CONTROLS (i.e., closed system, enclosed cabs).					
SAFETY PROCEDURES: To be followed while mixing, loading, applying pesticides. Procedures for handling non-routine tasks or emergency situations.					
DROPT: Confine the spray to the crop. Watch out for people, animals, waterways, or any special hazard.					
TRIPLE RINSE: PESTICIDE CONTAINERS AT TIME OF USE: Never take home pesticide containers used at work.					
STORE pesticides in a LOCKED and posted area or attended by an authorized person.					
WASH CLOTHES: WASH CLOTHES DAILY: The owner of pesticide residues on clothing.					
WASH hands and arms with SOAP & WATER: Before eating, drinking, smoking, going to the bathroom. Emergency eye flushing techniques.					
WASH COMPLETELY at the end of the workday. Change into clean clothing.					
EMERGENCY MEDICAL INFORMATION: Name, address, phone number of clinic, physician, or hospital emergency room & where information is located.					
HEAT RELATED ILLNESS: Prevention, recognition, and first treatment.					
LOCATION OF PESTICIDE SAFETY INFORMATION SERIES (PIS): Material Safety Data Sheets (MSDS), Pesticide Use Factsheets, Safety posters, and Restricted Entry Interval information.					
EMPLOYEE'S RIGHTS: Against discharge, discrimination. Right to receive information.					
NEED FOR IMMEDIATE DECONTAMINATION of skin and eyes when exposure occurs.					
SYMPTOMS OF POISONING: Pinpoint pupils, nausea, shortness of breath, dizziness, headaches, blurred vision. Ways poisoning or injury can occur.					
ROUTES THROUGH WHICH PESTICIDES ENTER THE BODY.					
UNDERSTANDING THE IMMEDIATE AND LONG TERM HAZARDS involved in handling pesticides. Known or suspected chronic and acute effects.					
MEDICAL SUPERVISION: Required when working with carbamate or organophosphate pesticides with signal word of DANGER or WARNING.					

What is Required of the Trainer?

- Present information in a manner the employee can understand
- Use nontechnical terms
- Respond to questions
- Language
- Literacy
- Documentation



What is Covered by WPS

- Farms
- Forests
- Nurseries
- Greenhouses



What is **NOT** Covered by WPS

- Mosquito abatement
- Livestock
- Pasture or rangeland
- Home landscapes
- Ornamental gardens
- Vertebrate pests
- Attractants or repellants
- Post-harvest
- Structural
- Golf courses



Why is WPS Important to Me?



Who Can do the Training?



Adult Learning Principles



Adult Learning Principles



Adult Learning Styles

- Visual
- Auditory
- Kinesthetic



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Teaching Methods and Memory



ears only



20% retention

eyes only



30% retention

ears + eyes



50% retention

ears + eyes
+ talking



70% retention

Debate

Ears + Eyes + Talking + Repeating + Use



Active Trainings



Discussion Questions

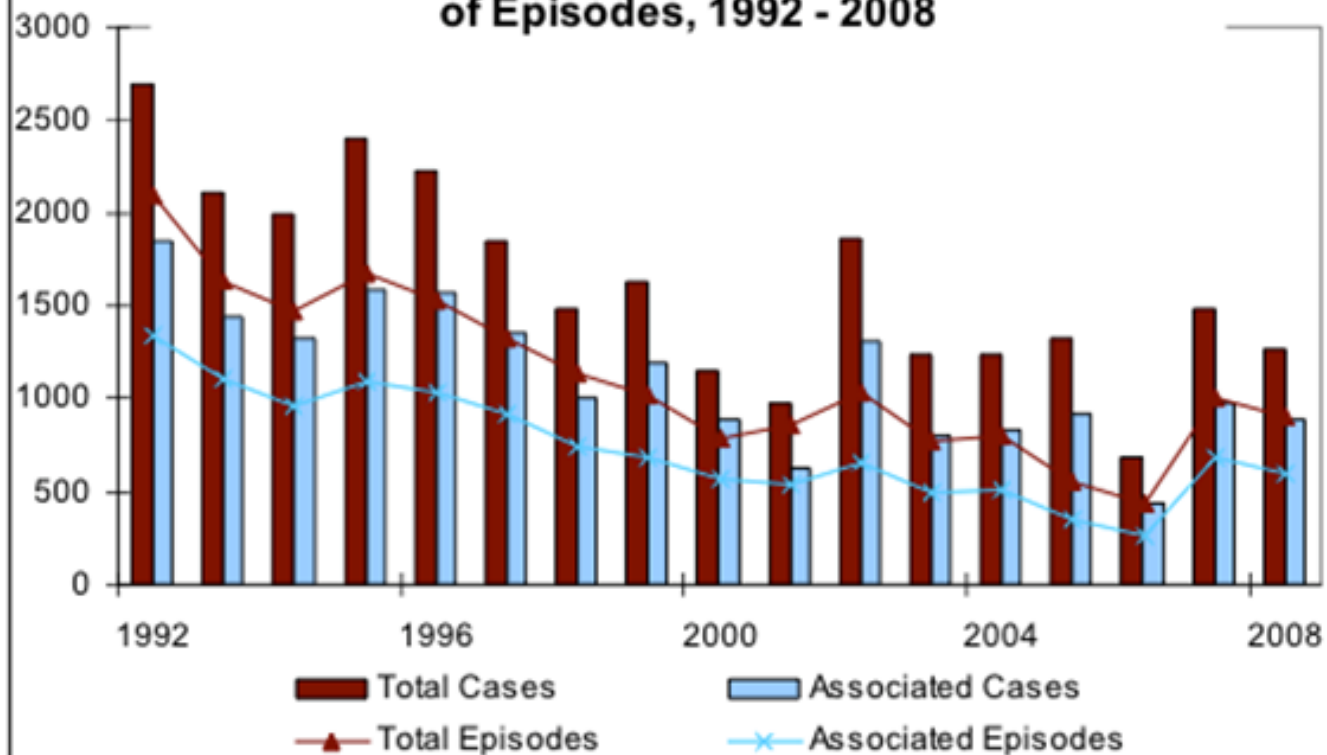
What are some **advantages** to using more interactive techniques?

What are some **disadvantages** to using more interactive techniques?

Discussion Questions

How can we make our pesticide safety trainings interactive?

Figure 1: Number of Cases Investigated vs. Number of Episodes, 1992 - 2008



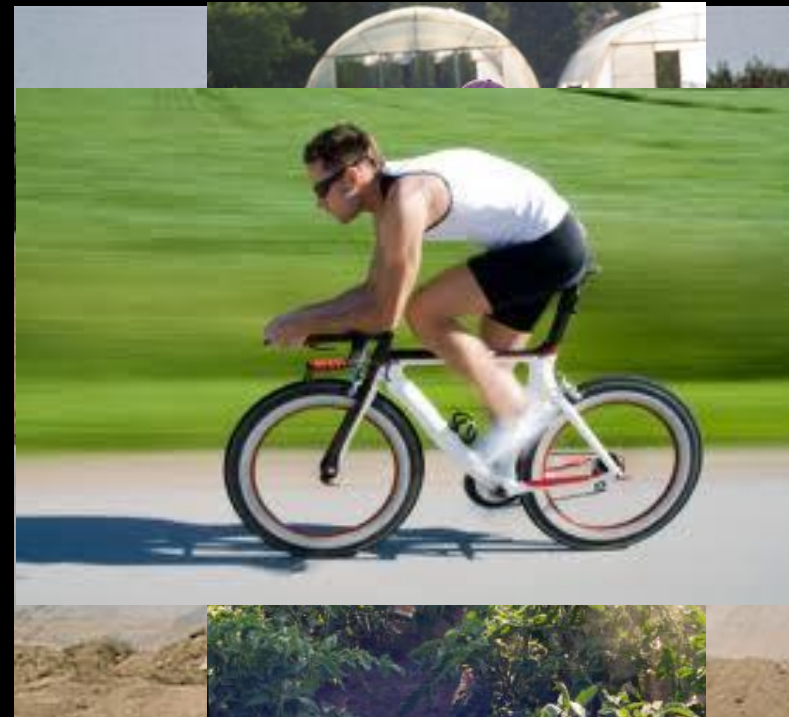
Training and Behavior Change

Training ALONE does not lead to behavior change

We need:

Supervision

Motivation



Pesticide Safety Train-the-Trainer

- **February 12, 13* Modesto (English)**
- **February 18*, 19 Woodland (English)**
- **March 12, 13* Salinas (Spanish)**
March 18* Tulare (English)
- **March 19 Bakersfield (Spanish)**

***= refresher course only**

Questions?

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