(Rev. 1/24)

Department of Pesticide Regulation Licensing and Certification Program PO Box 4015 Sacramento, CA 95812-4015 E-Mail: LicenseMail@cdpr.ca.gov Website: http://www.cdpr.ca.gov

# Qualified Applicator Certificate Packet

## Contains the following documents:

Certification Requirements
Application & Instructions
Licensing Visa/Mastercard Transaction Form

#### **Qualified Applicator Certificate Requirements**

## Do you need this certificate?

You must possess a valid Qualified Applicator Certificate (QAC) if you do any of the following:

Apply or supervise the application of federally restricted use pesticides or state restricted materials for any purpose or on any property other than that provided by the definition of a private applicator<sup>1</sup> (Title 3 of California Code of Regulations [3 CCR], section 6000).

# Basic licensing requirements

You may obtain a QAC by submitting the application, appropriate fees, and passing the required examinations. A minimum age of 18 years old must be met prior to admission to examinations. You must submit a copy of valid government-issued documentation with your application to verify the minimum age requirement.

#### **Examinations**

You must pass the Laws, Regulations, and Basic Principles examination and at least one pest control category examination with a score of 70 percent or higher (3 CCR section 6504). The pest control categories for this certificate are as follows:

- A Residential, Industrial, and Institutional
- B Landscape Maintenance
- C Right-of-Way
- D Plant Agriculture
- E Forest
- F Aquatic
- G Regulatory
- H Seed Treatment
- I Animal Agriculture
- J Demonstration and Research

- K Health Related
- L Soil Fumigation
- M Non-Soil Fumigation
- Q Maintenance Gardener \*

## Exam schedule

DPR's Licensing and Certification Program is now offering computer-based exams at testing centers state-wide for all individual licenses and certificates. Applications for all exams must be mailed to DPR's Licensing and Certification Program. You can find more <u>exam information</u> on our website.

Continued on next page.

<sup>\*</sup> Applicants for subcategory Q only need to take the pest control subcategory Q examination. Laws, Regulations, and Basic Principles are included in the examination.

<sup>&</sup>lt;sup>1</sup> An individual who uses or supervises the use of a pesticide to produce an agricultural commodity on property owned, leased, or rented by him/her or his/her employer.

## Preparing for examinations

To prepare for the exam, you should read the appropriate study materials listed on the Suggested Study Material Source List. Many of the study materials have practice test questions at the end of each chapter that can help you evaluate whether you know the material well enough to pass the exam. DPR has Knowledge Expectations available on our web site that outline the type of information you will be expected to know when you take the exam.

#### **Application fee**

The application fee is \$40 for this certificate (3 CCR section 6502). This fee allows an applicant a 12 month period to become certified.

#### Examination fee

The examination fee is \$50 (3 CCR section 6505) for each examination requested including adding categories and rescheduling due to failure to appear or to obtain a passing score.

#### Second-year fee

A new applicant passing the required examinations may be required to pay a Second-year Fee. If you receive this notice, an additional \$30 is required to place you on the correct renewal cycle. The 2-year cycles are illustrated in the table below.

If your last name begins with	Then your certificate will
A through L	Expire on December 31 of even numbered
	years (e.g. 2024, 2026, 2028, etc.)
M through Z	Expire on December 31 of odd numbered
_	years (e.g. 2023, 2025, 2027, etc.)

## Valid certificates

<u>List of valid licenses and certificates</u> may be viewed online.

## Certificate duration

Refer to the table above for expiration date.

## Continuing education

Once you pass the examinations and receive your certificate, you must accumulate a determined amount of approved continuing education (CE) hours. DPR will inform you of the number of approved CE hours you are required to complete.<sup>2</sup> After your first renewal, you are required to accumulate at least 20 hours of approved CE every two years before certificate renewal. Four of the 20 hours must cover the topic of pesticide laws and regulations (3 CCR section 6511).

QAC holders who have Subcategory Q only are required to complete eight hours of approved CE after their first renewal. QAC holders who have Category H only are required to complete four hours of approved CE after their first renewal. Two of the hours must cover pesticide laws and regulations (3 CCR section 6511). It is your responsibility to ensure that you complete the number of hours required for your category(ies) prior to submission of your QAC renewal.

For more information on <u>CE requirements</u> and the <u>list of DPR-approved CE courses</u> visit our web site.

Continued on next page.

<sup>&</sup>lt;sup>2</sup>Some new certificate holders may require fewer CE hours for their first renewal depending on when the certificate was issued. The number of required CE hours will be specified on your transmittal card when you receive your new certificate.

#### Renewal fee

The renewal fee is \$60 for the 2-year cycle (3 CCR section 6502).

## Late renewal fee

A late fee of 50 percent of the renewal fee will be charged for each certificate renewal postmarked after December 31 of your expiration year.

## Miscellaneous fees

The following chart lists possible miscellaneous fees.

Type	Amount	Details
Name	\$20	You must immediately notify the Licensing and Certification Program
change		in writing (3 CCR section 6508).
		• You must submit a copy of government-issued proof certifying the name change.
		• A new certificate will be automatically issued for all name changes.
		The Address Change/Name Change/Replacement Card Form
		is available on our web site.
Address change	\$20	• You must immediately notify the Licensing and Certification Program in writing (3 CCR section 6508).
		This fee is only required if you request a new certificate.
		The Address Change/Name Change/Replacement Card Form
		is available on our web site.
Duplicate	\$20	• This fee applies to requests for a duplicate or replacement certificate.
		• The <u>Address Change/Name Change/Replacement Card Form</u> is available on our web site.

Name and/or address change fees are waived when adding a pest control category or when a certificate is renewed.

# Common mistakes

The most common application errors are:

- Incorrect fees submitted
- Application not signed
- Failure to submit a copy of valid government-issued documentation to verify minimum age requirement

You can avoid these errors by reading the application instructions carefully.

Mailing address

Department of Pesticide Regulation Attn: Cashier MS-4A

PO Box 4015

Sacramento, CA 95812-4015

For more information

Please E-Mail us at LicenseMail@cdpr.ca.gov.

Note: Your application and materials **must** be mailed to DPR. We cannot accept electronic submittals.



State of California

## **Qualified Applicator Certificate Application** LIC-001A (Rev. 07/23) Page 1 of 2

Department of Pesticide Regulation Licensing and Certification Program PO Box 4015 Sacramento, California 95812-4015 E-Mail: LicenseMail@cdpr.ca.gov Web site: http://www.cdpr.ca.gov/

The mailing address you indicate on this application is your address of record for your certificate, therefore it is public information. You may wish to use a post office box in lieu of a physical address.

A. Application Type. Check the appropria	te box(es). For	complete instructions	s, see page 2.				
New Application (New Application Fee of \$40 is required and of valid government-issued documentation – Instructions)	a copy See	Reexamination – Fail Previous Exam	or No Show or		Adding Pest C	ontrol Catego	ry(ies)
B. Applicant Information.							
Name (Last)	(First)		(Middle Initial)	Date of Bi	irth (mm/dd/yyyy)		QAC Number (If applicable)
,			,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		a to Hamber (ii applicable)
Mailing Address (Number and Street or PO Box)	I			I			Work Phone Number
(City)	(County) (State			(State)	(ZIP Co	de)	Cell or Home Phone Number
	1			ı	1		
Current Employer (Check only one box)		_			Other or N/A	E-Mail A	ddress
City County State Federal	Pest Control	Business Main	tenance Garder	ner _	Private Busine	ess	
Employer Name and Mailing Address (If Applicable) (Number	er and Street, or Po	O Box, City, State, ZIP Cod	e)			·	
C. Examination - Laws, Regulations, and	Basic Principl	les.					
Laws, Regulations, and Basic Principle	es <b>\$50</b>	No fee or examination	on is required	if you:		License/Cer	rtificate Number:
This examination must be passed in addition to one or more categories in Section D to obtain a QAC.  (1) Have a valid PCA, APC, JPC  (2) Have passed this exam with months; or				Application #			
		(3) Are applying	g for a QAC-Q	certificate	only.		
D. Examination - Categories. Indicate the compassed in addition to the exam in Section Regulations, and Basic Principles).  (A) Residential, Industrial, and Institution (B) Landscape Maintenance \$50  (C) Right-of-Way \$50  (D) Plant Agriculture \$50  (E) Forest \$50  (F) Aquatic \$50	C to obtain a C		riculture \$50 ation and Resated \$50 ation s50	earch <b>\$5</b>	our examination	intenance G English \$50 Spanish \$50	ation (including Laws,
(G) Regulatory \$50					(Section C) is not required for this category.		
(H) Seed Treatment \$50							
E. Examination Schedule. To complete this the exam date. Your exam date and locati First Choice – Examination Month & Location	,				e for available		locations. DPR will assign
F. Reasonable Accommodation.							
Check if you need reasonable accomm	nodation to tak	e an exam.					
G. Fees. All fees are non-transferable and	d non-refunda	ble.			Amount		Total Amount
- New Application Fee (Fee is valid for 12 months) (If required per Section A)				\$40	\$		
- Laws, Regulations, and Basic Principles Examination Fee (If required per SectionC)				\$50		\$	
- Category Examination Fee(s) (If required	per Section D) (	Enter the # of categorie	s)		\$50 X	Fees Due	= \$ \$
H. Read Before Signing. During the last three federal laws or regulations relating to the a	pplication or us				l action taken a	against you fo	or violation of any State or
I. I declare under penalty of perjury, unde	er laws of the	State of California,	that the info	rmation	submitted is	true and co	rrect.
Applicant Signature		<u>`</u>			Signed		

#### **Qualified Applicator Certificate Application Instructions**

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#### Failure to complete or provide the requested information may delay the processing of your application.

DPR will only disclose personally identifiable information, such as home phone number and personal email address, to third parties as required by state or federal law or regulation and consistent with the Information Practices Act (Civ. Code, sections 1798-1798.78).

A. Application Type: Check the appropriate box(es).

#### New Application: If you:

- ★ Are applying for a Qualified Applicator Certificate for the first time.
- ✓ Failed to obtain your certificate within 12 months from the first date you scheduled your examination.
- ✓ Failed to meet the renewal requirements.

**Reexamination:** Scheduling an examination on which you failed to obtain a passing score or failed to appear for a previously scheduled examination.

**Add Pest Control Category(ies):** Requesting to take pest control category examinations not yet taken. If passed, the category(ies) will be added to your existing certificate.

- **B.** Applicant Information: Enter your name (name shall match the submitted valid government-issued documentation); Qualified Applicator Certificate or Application Number (if applicable); date of birth; mailing address; E-Mail address; cell or home and work phone numbers; employment type; and current employer (if applicable).
- C. Examination Laws, Regulations, and Basic Principles: This examination is required of all new QAC applicants, unless one of the listed exemptions applies. Exemption: (Check the appropriate box, if applicable). No fee or examination is required if you: (1) have a current Pest Control Adviser License (PCA), Qualified Applicator License (QAL), Journeyman Pilot Certificate (JPC), or Apprentice Pilot Certificate (APC) [you must enter the number from your current license or certificate next to the (1) exemption], (2) have passed the Laws, Regulations, and Basic Principles exam within the past 12 months, or (3) you are applying for a QAC-Q certificate only.
- D. Examination Categories: Indicate the category(ies) you want to take by checking the appropriate box(es). In addition to the Laws, Regulations, and Basic Principles examination, each new applicant must successfully pass at least one of the pest control categories (A-M or Q) before a Qualified Applicator Certificate is issued. Applicants seeking certification only in subcategory Q do not need to take the Laws, Regulations, and Basic Principles examination. You may only select a maximum of four examinations per application, including the Laws, Regulations, and Basic Principles examination. You may only apply once per month, exceptions to this are evaluated on a case by case basis. See Qualified Applicator Certificate category descriptions and suggested study material source list in the Qualified Applicator Certificate Application Packet.
- E. Examination Schedule: Provide your first and second choice for taking your exam(s). Indicate the exam month and location for each choice in the appropriate boxes. Your exam date and location choices are not guaranteed. Go to DPR's Web site to find current exam information. If you selected an exam date, your application must be postmarked by the final filing date for the earliest choice you provided. DPR will assign your exam date.
- **F. Reasonable Accommodation:** Reasonable accommodation will be provided to applicants who need assistance to take an exam. If you check "Yes", you will be contacted.
- G. Fees: All fees are non-transferable and non-refundable.

- H. Read Before Signing: Check appropriate box and provide explanation on separate page, if necessary.
- I. Declaration/Signature Block: Sign here to indicate that all of the information submitted is true and correct.

Mailing Instructions: Enclose a check, money order, or credit card information payable to "Cashier, DPR" and mail to:

Department of Pesticide Regulation Attn: Cashier MS-4A PO Box 4015 Sacramento, CA 95812-4015

<sup>\*</sup>Applications for a new certificate shall include an attached copy of valid government-issued documentation verifying that the applicant will meet the required minimum age of 18 years old prior to admission to the examination. The applicant's name included on the submitted application shall match the name stated on the valid government-issued documentation submitted.

## **Pest Control Category Descriptions**

#### Qualified Applicator Certificate (QAC) & Qualified Applicator License (QAL)

This document provides general information to help applicators identify the most appropriate category for the type of pest control they will be performing or supervising. For the specific descriptions of the categories, please refer to Title 3, California Code of Regulations (3 CCR) sections 6530 and 6531. Contact the Licensing Program at LicenseMail@cdpr.ca.gov with questions.

"Pest control" means the use of any pesticide, as well as the use of any substance, method, or device to control pests or to prevent, destroy, repel, mitigate, or correct any pest infestation or disorder of plants.

Except for Subcategory Q, certification in a category allows you to legally use or supervise the use of restricted pesticides on use sites in the category. Note that a Restricted Material Permit or Operator Identification Number from the County Agricultural Commissioner may still be required. For a pest control business, State law requires the QAL-holder supervising the operations of the business to have the category(ies) appropriate to the pest control operations of the business.

#### Residential, Industrial, and Institutional Pest Control (Category A)

Certification in Category A covers pest control:

- On sites classified as "Home use" as defined in 3 CCR section 6000. This includes residential areas around households and immediate environments.
- On sites classified as "Industrial use" as defined in 3 CCR section 6000. This includes pest control:
  - For or in a manufacturing, mining, or chemical process; or
  - In, on, or around sites such as: airports; construction sites; factories; food handling establishment (including delis, bakeries, or restaurants); manufacturing or processing plants (including packing houses); oil fields and tank farms; ports and shipyards; power generation plants and electrical substations; structures or areas which protect stored, processed or manufactured products (including warehouses and commercial grain elevators); timber yards and timber mills; and water or sewage treatment plants.
- On sites classified as "Institutional use" as defined in 3 CCR section 6000. This includes pest control on property necessary for the operation of schools, hospitals, libraries, auditoriums, amusement parks, prisons, and office complexes.
- On non-landscaped outside areas directly related to the operation of a building, such as, walkways, parking lots, and storage yards.
- Using antimicrobial pesticides on sites within the scope of this Category, such as:
  - Treatment of cooling towers and evaporative condensers;
  - Sanitizing potable water lines and systems, dairy milk lines at a manufacturing plant, and other similar areas;
  - Providing disinfecting and/or sanitizing services, or "deep cleaning" to control a virus, bacteria, or other microorganism as part of, or in addition to, cleaning services.

- Using wood preservation pesticides on sites within the scope of this Category, such as inservice wooden fencing or wood treatment plants.
- Using sewer line root control pesticides on sites within the scope of this Category.

#### This Category does not include:

- 1. Use of pesticides for landscape maintenance pest control for hire covered by Category B,
- 2. Use of any pesticide labeled as a fumigant, or
- 3. Structural pest control required to be done under a license or company registration from the Structural Pest Control Board. Structural pest control involves the control of household pests, wood destroying organisms, or other pests which may invade households or other structures. For more information, contact the Structural Pest Control Board.

#### **Landscape Maintenance Pest Control (Category B)**

Certification in Category B covers pest control in:

• Maintenance of preexisting, planted, or artificial ornamental\* plants and turf surrounding areas such as residences, parks, streets, and commercial, industrial, and institutional buildings. It also includes indoor landscaped areas and plants in enclosed shopping centers and malls.

\*Ornamental is defined in 3 CCR section 6000 as trees, shrubs, flowers, and other plantings intended primarily for aesthetic purposes in and around habitations, buildings, and surrounding grounds.

#### This Category does not include:

- 1. Direct application to running or standing water, or
- 2. Use of any pesticide labeled as a fumigant.

Note: If you have this Category but own or work for a licensed Maintenance Gardener Pest Control Business, the areas where you can legally conduct pest control, including use of pesticides, are limited to <u>incidental pest control</u> on sites included in the scope of the Maintenance Gardener Pest Control Business license. For more information, see Subcategory Q below or the <u>Maintenance Gardener Pest</u> Control Business License packet.

#### Right-of-Way Pest Control (Category C)

Certification in Category C covers pest control in:

- Maintenance of rights-of-way, such as roadsides, power lines, telephone lines, pipelines, canals, railways; and any landscaping associated with the right-of-way.
- Wood preservation on sites within the scope of this Category, such as in-service wooden utility poles.

#### This Category does not include:

- 1. Direct application to running or standing water, or
- 2. Use of any pesticide labeled as a fumigant.

#### Agricultural Pest Control [Plant] (Category D)

Certification in Category D covers pest control in:

- Production of an agricultural commodity, as defined by 3 CCR section 6000;
- Rangelands, pastures, and grasslands;
- Non-crop agricultural lands which will not in the foreseeable future be used to grow food, feed, or fiber crops, or to pasture animals; this includes but is not limited to: wildlands, farm roads and shoulders, ditches, and on-farm equipment yards.

#### This Category does not include:

- 1. Applications to running or standing water, other than rice and similar crops grown in wet or flooded fields, or
- 2. Use of any pesticide labeled as a fumigant.

#### Forest Pest Control (Category E)

Certification in Category E covers pest control in:

• Forest, forest nurseries, and forest seed-producing areas; including: preparation for forest planting, conifer release, brush control projects, and stump treatment.

#### This Category does not include:

- 1. Direct applications to running or standing water, or
- 2. Use of any pesticide labeled as a fumigant.

#### **Aquatic Pest Control (Category F)**

Certification in Category F covers pest control in:

• Standing or running water.

This Category does not include pest control covered under Category D (Plant Agriculture), Category G (Regulatory Pest Control), Category J (Demonstration and Research), or Category K (Health Related Pest Control).

#### **Regulatory Pest Control (Category G)**

Certification in Category G covers pest control in:

• Government-sponsored programs for the control of regulated pests\*.

\*Regulated pest means a particular species of pest subject to State or federal regulatory restrictions, regulations, or control procedures intended to protect hosts, humans, or the environment. Examples of regulated pests are CDFA A- or Q-rated pests subject to government-sponsored eradication programs including, but are not limited to: Asian Citrus Psyllid, Asian Longhorn Beetle, Diaprepes Root Weevil, Emerald Ash Borer, European Grapevine Moth, False Codling Moth, invasive fruit flies (e.g., Caribbean, Guava, Malaysian, Mediterranean, Melon, Mexican, Oriental, etc.), Japanese Beetle, Spongy Moth, and Spotted Lantern Fly.

#### This Category does not include:

- 1. Pest control covered under Category K (Health Related Pest Control), or
- 2. Use of any pesticide labeled as a fumigant.

#### **Seed Treatment (Category H)**

Certification in Category H covers use of pesticides:

• On seeds in seed treatment facilities.

This Category does not include the use of any pesticide labeled as a fumigant.

#### Agricultural Pest Control [Animal] (Category I)

Certification in Category I covers pest control:

• On animals or in facilities in which the animals are confined, including managed apiaries.

#### This Category does not include:

- 1. Direct application to running or standing water, or
- 2. Use of any pesticide labeled as a fumigant.

#### **Demonstration and Research (Category J)**

Certification in Category J covers pest control with California restricted materials to:

- Demonstrate to the public proper use and application techniques;
- Conduct field research outside of a laboratory setting.

This Category is not required of applicators that demonstrate proper techniques, provided they hold the specific category(ies) covering the type of pest control being performed. Note that a Research Authorization (RA) may also be required for those doing experimental pesticide applications.

This Category does not include the use of any pesticide labeled as a fumigant.

#### **Health Related Pest Control (Category K)**

Certification in Category K covers pest control in:

• Government-sponsored programs for the management and control of pests having public health importance.

This Category does not include the use of any pesticide labeled as a fumigant.

This Category is not required for applicators holding a valid Vector Control Technician certificate issued by the State Department of Public Health and employed at a government public health agency.

#### **Soil Fumigation (Category L)**

Certification in Category L covers pest control using a pesticide labeled as a fumigant to:

• Control soil pests in sites including: fields, forests, golf courses, greenhouses, and individual tree or vine hole sites.

This Category does not include non-soil fumigations covered by Category M – Non-Soil Fumigation.

#### Non-Soil Fumigation (Category M)

Certification in Category M covers pest control using a pesticide labeled as a fumigant to:

- Fumigate enclosed areas\* containing:
  - o Agricultural commodities for post-harvest fumigation; or
  - Nonfood/nonfeed materials including but not limited to: pallets; dunnage; furniture; burlap bags; planting medium, including potting soil and potting mix; and wine barrels and corks.
- Fumigate pest burrows in sites including, but not limited to: fields, rights-of-way, ditches, landscaping, and equipment yards.
- Fumigate sewer lines, in-service utility poles, or other fumigations not covered by Category L

   Soil Fumigation.

<u>This Category does not include</u> structural pest control required to be done under a license or company registration from the Structural Pest Control Board. Structural pest control involves the control of household pests, wood destroying organisms, or other pests which may invade households or other structures. For more information on structural pest control, contact the <u>Structural Pest Control Board</u>.

<sup>\*</sup>Enclosed areas include: tarpaulin-covered structures and commodities, vaults, chambers, greenhouses, vans, boxcars, ships, planes, and vehicles.

#### Maintenance Gardener Pest Control (Subcategory Q) - QAC ONLY

Certification in Subcategory Q covers pest control and use of non-restricted pesticides<sup>1</sup> incidental<sup>2</sup> to your overall ornamental and turf maintenance activities on ornamental and turf plantings:

- Indoors;
- In commercial parks<sup>3</sup>; and
- Surrounding structures<sup>4</sup>.

<sup>1</sup>Non-restricted pesticides: Subcategory Q does not allow the purchase, use, or supervision of any pesticide classified as a California restricted material; this includes all pesticides with the "Restricted Use Pesticide" box on the front panel. The remaining "general use pesticides" are available for purchase by anyone. These pesticides must be applied according to labeling instructions and in support of maintenance gardening activities.

<sup>2</sup>Incidental is defined in 3 CCR section 6000 and means pest control that ensues from, or is a minor consequence of, a business' overall ornamental and turf maintenance activities. The use of pesticides for pest control is a minor, or complementary, aspect of the physical landscape maintenance work. Pest control separate from ornamental and turf plantings does not qualify.

<sup>3</sup>Commercial park is defined in 3 CCR section 6000 and means a tract of land where several commercial establishments (e.g., stores, offices, restaurants, warehouses, or factories) are located. This includes, but is not limited to, business parks, industrial parks, office parks, and shopping centers or malls.

<sup>4</sup>This includes buildings, brick walls, fountains, fences, or statues, etc., where the ornamental or turf planting is near or close to the structure yet distinct and separate from any planting which may constitute a larger landscaped open space (i.e., park, cemetery lawn, golf course turf, etc.).

A person engaged in the business of maintenance gardening who engages in pest control for hire incidental to the maintenance gardening business must also obtain a Maintenance Gardener Pest Control Business License. See the Maintenance Gardener Pest Control Business License (MGPCB) packet for more information.

Subcategory Q is a subcategory of Category B (Landscape Maintenance). A person that <u>regularly</u> engages in landscaping pest control activities should obtain a Category B. Subcategory Q is intended specifically for those performing incidental pest control work in support of the maintenance gardening activities of a licensed MGPCB and would not be appropriate otherwise.

#### This Category does not include:

- 1. The purchase or use of California restricted materials listed in 3 CCR section 6400, or
- 2. Direct application to running or standing water.

### **Suggested Study Material Source List**

#### Qualified Applicator Certificate (QAC) & Qualified Applicator License (QAL)

Studying the suggested study material can make the difference between passing and failing Department of Pesticide Regulation (DPR) QAC and QAL examinations. The examinations are based on the study materials listed below. Options for obtaining study materials include purchasing, viewing, or downloading from the web and borrowing from public or college libraries.

#### Laws, Regulations, and Basic Principles of Safe and Effective Pesticide Use (Core Exam)

- <u>Knowledge Expectations</u>: Laws, Regulations, and Basic Principles of Safe and Effective Pesticide Use (Core Exam).
- Laws and Regulations Study Guide, Third Edition. DPR, 2020.
- <u>The Safe and Effective Use of Pesticides, Third Edition.</u> University of California Integrated Pest Management (UC IPM) Program, 2016.
  - o Order through the <u>University of California Agriculture and Natural Resources (UC ANR) online</u> catalog or by phone: (800) 994-8849

#### Residential, Industrial, and Institutional Pest Control (Category A Exam)

- Knowledge Expectations: Residential, Industrial, and Institutional (Category A).
- Residential, Industrial, and Institutional Pest Control, Second Edition. P.J. O'Connor-Marer, 2006.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849

#### Landscape Maintenance Pest Control (Category B Exam)

- Knowledge Expectations: Landscape Maintenance (Category B).
- Landscape Maintenance Pest Control. P.J. O'Connor-Marer, 2006.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849

#### Right-of-Way Pest Control (Category C Exam)

- Knowledge Expectations: Right-of-Way (Category C).
- Forest and Right-of-Way Pest Control. S.H. Dreistadt, 2013.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849

#### Agricultural Pest Control [Plant] (Category D Exam)

- Knowledge Expectations: Plant Agriculture (Category D).
- Plant Agriculture Pest Control: A Study Manual for Applicators. UC IPM Program, 2019.
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849

#### Forest Pest Control (Category E Exam)

- Knowledge Expectations: Forest (Category E).
- Forest and Right-of-Way Pest Control. S.H. Dreistadt, 2013.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849

#### **Aquatic Pest Control (Category F Exam)**

- Knowledge Expectations: Aquatic (Category F).
- Aquatic Pest Control. P.J. O'Connor-Marer and K.K. Garvey, 2001.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849.
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.

#### Regulatory Pest Control (Category G Exam)

- Knowledge Expectations: Regulatory (Category G).
- California Food and Agricultural Code (FAC) <u>Division 6</u>, <u>Division 7</u>, & <u>Division 13</u>.
- Plant Quarantine Manual. California Department of Food and Agriculture (CDFA).
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849.

#### **Seed Treatment (Category H Exam)**

- Knowledge Expectations: Seed Treatment (Category H).
- <u>Seed Treatment A National Pesticide Applicator Study Manual.</u> Pesticide Educational Resources Collaborative (PERC).
  - o Order through the National Pesticide Safety Education Center website.
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.

#### Agricultural Pest Control [Animal] (Category I Exam)

- Knowledge Expectations: Animal Agriculture (Category I).
- <u>Prevention and Control of Wildlife Damage.</u> S.E. Hygnstrom, R.M. Timm, and G.E. Larson, University of Nebraska Cooperative Extension, 1994.
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.

#### Demonstration and Research (Category J Exam)

- Knowledge Expectations: Demonstration and Research (Category J).
- Demonstration and Research Uses of Pesticides. D. Clarke, 2003.
  - o Order through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.
- Title 3, California Code of Regulations, Division 6 Sections:

o <u>6260</u>	o <u>6264</u>	o <u>6272</u>	o <u>6761.1</u>
o <u>6261</u>	o <u>6266</u>	o <u>6602</u>	
o <u>6262</u>	o <u>6268</u>	o <u>6618</u>	
o <u>6263</u>	o <u>6270</u>	o <u>6619</u>	

- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849.

#### Health Related Pest Control (Category K Exam)

- Knowledge Expectations: Health Related (Category K).
- Residential, Industrial, and Institutional Pest Control, Second Edition. P.J. O'Connor-Marer, 2006.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849.
- Additional resources:
  - o Mosquitos. UC IPM
  - o Rabbits. UC IPM
  - Mosquito Control. United States
     Environmental Protection Agency (U.S. EPA).
  - o Introduction to Pesticide Drift. U.S. EPA.
  - Module 5 Managing Mice and Rats in and around Child Care. U.S. EPA.
  - The Biology and Control of Mosquitoes in <u>California</u>. California Department of Public Health (CDPH).
  - o Hepatitis A. CDPH.
  - Hepatitis A. Center for Disease Control and Prevention (CDC).
  - Hepatitis A Factsheet. World Health Organization (WHO).

- o <u>Viral Hepatitis: Q&As for the Public.</u> (CDC).
- o <u>Viral Hepatitis</u>: <u>Q&As for Health</u> <u>Professionals</u>. (CDC).
- Typhus Fevers: Flea-borne (murine) typhus.
   (CDC).
- o <u>Vector-borne diseases</u>. (WHO).
- Pesticide Application & Safety Training for Applicators of Public Health Pesticides. (CDPH).
- Arthropods of Public Health Significance in California. (CDPH).
- Vertebrates of Public Health Importance in California. (CDPH).

#### Soil Fumigation (Category L Exam)

- Knowledge Expectations: Soil Fumigation (Category L).
- Soil Fumigation, Second Edition. S. Whithaus and L. Blecker, 2023.
  - o Order print copies through the UC ANR online catalog or by phone: (800) 994-8849
  - o Order digital copies through Google Books.
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.

#### Non-Soil Fumigation (Category M Exam)

- Knowledge Expectations: Non-Soil Fumigation (Category M).
- Non-Soil Fumigation: A Pesticide Applicator Study Guide. S. Tomasko, 2023.
  - o Order print copies through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.
  - o Order digital copies through Google Books.
- The Safe and Effective Use of Pesticides, Third Edition. UC IPM Program, 2016.
  - o Order through the UC ANR online catalog or by phone: (800) 994-8849.

#### Maintenance Gardener Pest Control (Subcategory Q) QAC ONLY

- Knowledge Expectations: Maintenance Gardener (Subcategory Q).
- University of California IPM Maintenance Gardener Exam Preparation Help Page.
- <u>Lawn and Residential Landscape Pest Control: A Guide for Maintenance Gardeners.</u> S. Cohen, M.L. Flint, and N. Hine, 2009.
  - Order through the <u>UC ANR online catalog</u> or by phone: (800) 994-8849.

#### Jardinero de Mantenimiento (Subcategoría Q) PARA QAC SOLAMENTE

- <u>Lista de Expectativas de Conocimientos para la licencia de certificado de aplicador de pesticidas para jardineros de mantenimiento (Subcategory Q).</u>
- Página de ayuda de preparación de exámen de control de plagas de jardinero de mantenimiento.
- Control de plagas para cesped y jardines residenciales: Una guia para jardeneros de mantenimiento. S. Cohen, M.L. Flint, and N. Hine, 2009.
  - o Realice su pedido a través del catálogo en línea de UC ANR o por teléfono: (800) 994-8849.

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