

QUALIFIED APPLICATOR CERTIFICATE PACKET

Contains the following documents:

- Certification Requirements
- Application & Instructions
- Pest Control Category Descriptions
- Study Material Source List
- Visa/Mastercard Transaction Form
- Customer Service Survey

QUALIFIED APPLICATOR CERTIFICATION 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 private applicator¹ (Title 3 of California Code of Regulations [3 CCR], Code section 6000).
- If you own a business of maintenance gardening, and perform pest control that is incidental to such a business. If this is the case, you must possess the Maintenance Gardener Category (Q) or the Landscape Maintenance Pest Control Category (B) on your certificate and, in addition, obtain a Maintenance Gardener Pest Control Business License.

Basic licensing requirements

You may obtain a QAC by submitting the application, appropriate fees, and passing the required examinations.

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	K	Health Related
B	Landscape Maintenance	L	Wood Preservative
	C Right-of-Way	M	Antifouling Tributyltin
D	Plant Agriculture	N	Sewer Line Root Control
E	Forest	O	Field Fumigation
	F Aquatic	P	Microbial Pest Control
	G Regulatory	Q	Maintenance Gardener *
H	Seed Treatment		
I	Animal Agriculture		
J	Demonstration and Research		

* Candidates for subcategory Q need only take the pest control category examination Q. Laws and Regulations are included in the examination.

Exam Schedules

Annual DPR Exam Schedules are revised in December and posted on the website at http://www.cdpr.ca.gov/docs/license/exam_sched.pdf. Your application must be postmarked by the final filing date listed in the examination schedule in order for your requested month, location, and type of examination(s) to be processed.

Continued on next page.

¹ A person who uses or supervises the use of a pesticide to produce an agricultural commodity on property owned, leased, or rented by the person or the person's employer. A householder who uses or supervises the use of a pesticide to control ornamental, plant or turf pests on property owned, leased, or rented by that householder.

Preparing for examinations

To prepare for the examination, it is suggested that you read the appropriate study materials listed on the Suggested Study Material Source List included in this packet. 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. For some categories, DPR has posted Knowledge Expectations on their website that outline the type of information you will be expected to know when you take the examination.

Application fee

The application fee is \$40 for this certificate (3 CCR section 6502). This fee is only required once, provided you become certified within one year.

Examination fees

The examination fee is \$50 (3 CCR section 6505) for each examination taken (including reexaminations due to rescheduling or failure to pass). However, if you do not show for your examination(s) and do not reschedule you must again submit the exam fees.

Second-year fee notice

If you pass the required examinations, you may receive a Second-year Fee Notice. This notice will inform you that you have paid for the first year of a 2-year cycle, and that in order to issue your certificate an additional \$30 is required for the second-year fee. 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. 2010, 2012, 2014, etc.)
M through Z	Expire on December 31 of odd numbered years (e.g. 2011, 2013, 2015, etc.)

Valid licenses and Certificates

A list of valid licenses and certificates may be viewed at www.cdpr.ca.gov/docs/license/currlic.htm.

Certificate duration

A new certificate may be valid for up to two years, depending on when you first became certified. Each renewed certificate is valid for two years unless you renew late.

Continuing Education

Once you pass the examination(s) 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. After your first renewal, you are required to accumulate at least 20 hours of approved continuing education (CE) every two years before certificate renewal. Four of the 20 hours must cover the topic of pesticide laws and regulations (3 CCR sections 6511).

QAC holders who have only the Maintenance Gardener Pest Control Category (Category Q) are required to complete eight hours of approved CE after their first renewal. Two of the eight hours must cover the topic of pesticides and pest control laws and regulations (3 CCR section 6511). It is your obligation to ensure that you take the required number and topic areas of CE hours prior to renewal of your QAC.

For information on these requirements and the list of DPR-approved CE courses visit our website at:

- CE requirements www.cdpr.ca.gov/docs/license/conted.htm
- DPR-approved CE courses www.cdpr.ca.gov/docs/license/classes.htm

Renewal fee The renewal fee is \$60 for the 2-year cycle (3 CCR section 6502). We do not prorate your fee if you renew your certificate late. Instead, a late fee is applied.

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

Miscellaneous fees The following chart lists possible miscellaneous fees.

Type	Amount	Details
Name change	\$20	<ul style="list-style-type: none"> You must immediately notify the Licensing and Certification Office in writing (3 CCR section 6508). You must submit legal documents certifying the name change. A new certificate will be automatically issued for all name changes. The <i>Address Change/Name Change/Replacement Card Form</i> is available on our website at http://www.cdpr.ca.gov/docs/license/forms/pr-pml-002.pdf
Address change	\$20	<ul style="list-style-type: none"> You must immediately notify the Licensing and Certification Office in writing (3 CCR section 6508). This fee is only required if you request a new certificate. The <i>Address Change/Name Change/Replacement Card Form</i> is available on our website at http://www.cdpr.ca.gov/docs/license/forms/pr-pml-002.pdf
Duplicate	\$20	<ul style="list-style-type: none"> This fee applies to requests for a duplicate or replacement certificate. The <i>Address Change/Name Change/Replacement Card Form</i> is available on our website at http://www.cdpr.ca.gov/docs/license/forms/pr-pml-002.pdf

Name and/or address change fees are waived when a certificate is reprinted to add a pest control category or to renew.

Timelines for processing applications DPR may take up to 100 days to complete the processing of your application, in compliance with Government Code sections 15374-15378. Failure to comply with this time period may be appealed to the Agency Secretary, California Environmental Protection Agency, P.O. Box 2815, Sacramento, California, 95814, pursuant to regulations set forth in 3 CCR section 301. Under certain circumstances, the Agency Secretary may order that the applicant receive a reimbursement of filing fees.

Common mistakes The most common application errors are

- Incorrect fees
- Missing the final filing date
- Not specifying your preferred month, location and type of examination(s)

You can avoid these errors by reading the application instructions carefully and by mailing your application **before** the final filing date.

**Our physical
address**

Department of Pesticide Regulation Pest
Management and Licensing Branch
Licensing and Certification Program
1001 I Street
Sacramento, CA 95814-2828

**Our mailing
address**

Department of Pesticide Regulation Pest
Management and Licensing Branch
Licensing and Certification Program
P.O. Box 4015
Sacramento, CA 95812-4015

**For more
information**

You may contact us between the hours of 8 a.m. to 5 p.m. at (916) 445-4038, or e-mail us at licenseemail@cdpr.ca.gov.

QUALIFIED APPLICATOR CERTIFICATE APPLICATION

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DEPARTMENT OF PESTICIDE REGULATION
PEST MANAGEMENT AND LICENSING BRANCH
LICENSING AND CERTIFICATION PROGRAM

1001 I STREET, P.O. BOX 4015
SACRAMENTO, CALIFORNIA 95812-4015
(916) 445-4038
FAX - (916) 445-4033
Web site: <http://www.cdpr.ca.gov/>

The mailing address you indicate on this application is your address of record for your license/certificate. Therefore it is public information. You may wish to use a post office box in lieu of the physical address as an address of record.

PLEASE READ INSTRUCTIONS ON PAGE 2.

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

- NEW APPLICATION - FIRST TIME APPLICATION REEXAMINATION - FAIL OR NO SHOW ON PREVIOUS EXAMS
- ADDING PEST CONTROL CATEGORY(IES) OTHER - Specify

B. Applicant Information. Please print or type.

NAME (Last)	(First)	(Middle Initial)	QAC NUMBER/EXAM ID NUMBER	HOME TELEPHONE NUMBER ()
MAILING ADDRESS (Number and Street)				WORK TELEPHONE NUMBER ()
(City)	(County)	(State)	(ZIP Code)	CELL TELEPHONE NUMBER ()
CURRENT EMPLOYER (Check only one box)				EMAIL ADDRESS
<input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Pest Control Business <input type="checkbox"/> Maintenance Gardener <input type="checkbox"/> Private Business <input type="checkbox"/> Other				
EMPLOYER NAME AND MAILING ADDRESS (If Applicable) (Name, Number and Street, City, State, Zip Code)				

C. Laws, Regulations and Basic Principles Examination. Exemption. See instructions on reverse.

- EXEMPT - Check this box and enter the number from your current license or certificate if you are exempt from this examination.

PEST CONTROL ADVISER LICENSE NUMBER	QUALIFIED APPLICATOR LICENSE NUMBER	JOURNEYMAN PILOT CERTIFICATE NUMBER	APPRENTICE PILOT CERTIFICATE NUMBER
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D. Examinations. Indicate the examination(s) you want to take by checking the appropriate boxes. All new applicants must take the Laws, Regulations and Basic Principles examination in addition to one or more category/subcategory examinations, except for applicants seeking only subcategory Q certification. See instructions on reverse.

- | | |
|---|--|
| <input type="checkbox"/> (R) Laws, Regulations and Basic Principles \$50
REQUIRED FOR ALL NEW APPLICANTS, EXCEPT SUBCATEGORY Q ONLY APPLICANTS. | <input type="checkbox"/> (I) Animal Agriculture \$50 |
| <input type="checkbox"/> (A) Residential, Industrial, and Institutional \$50 | <input type="checkbox"/> (J) Demonstration and Research \$50 |
| <input type="checkbox"/> (B) Landscape Maintenance \$50 | <input type="checkbox"/> (K) Health Related \$50 |
| <input type="checkbox"/> (C) Right-of-Way \$50 | <input type="checkbox"/> (L) Wood Preservation \$50 |
| <input type="checkbox"/> (D) Plant Agriculture \$50 | <input type="checkbox"/> (M) Antifouling-Tributyltin \$50 |
| <input type="checkbox"/> (E) Forest \$50 | <input type="checkbox"/> (N) Sewer Line Root Control \$50 |
| <input type="checkbox"/> (F) Aquatic \$50 | <input type="checkbox"/> (O) Field Fumigation \$50 |
| <input type="checkbox"/> (G) Regulatory \$50 | <input type="checkbox"/> (P) Microbial \$50 |
| <input type="checkbox"/> (H) Seed Treatment \$50 | <input type="checkbox"/> (Q) Maintenance Gardener <input type="checkbox"/> English \$50
<input type="checkbox"/> Spanish \$50 |

E. Examination Schedule. To complete this section, see Examination Schedule for the month and location. DPR will assign the exam date.

EXAMINATION MONTH	EXAMINATION SITE LOCATION
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F. Reasonable Accommodation.

- Check if you need reasonable accommodation to take a written exam.

G. Fees. All fees are non-transferable and non-refundable.

	<u>Amount</u>	<u># of Exams</u>	=	<u>Total Amount</u>
New Applicant Fee (First Time Applicant Only)	\$40	---		\$ _____
Examination Fee (New, Adding, or Reexamination)	\$50	X		\$ _____
Total Fees Due/Enclosed				\$ _____

H. Read Before Signing. During the last three years have you had any administrative, civil, or criminal action taken against you for violation of any State or federal laws or regulations relating to the application or use of pesticides that resulted in disciplinary or in which any disciplinary action is pending?

- YES (State explanation below or attach separate page.) NO

I. I declare under penalty of perjury, under laws of the State of California, that the above information is true and correct.

APPLICANT SIGNATURE	DATE SIGNED
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FOR OFFICIAL USE ONLY	PROBLEM	COMPUTER ENTRY DATE
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QUALIFIED APPLICATOR CERTIFICATE APPLICATION INSTRUCTIONS

- 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 by the expiration of your certificate.
 - 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.
 - Reexamination:** Scheduling an examination on which you failed to obtain a passing score or failed to appear for a previously scheduled examination.
 - Other:** Any other change, please specify the change.
- B. **Applicant Information:** Enter your name, Qualified Applicator Certificate or Exam Identification Number if applicable, address, email address, home, work, and cell telephone numbers, employment type, and current employer (if applicable).
- C. **Laws, Regulations and Basic Principles Examination.** Exemption. If you have passed the Laws, Regulations and Basic Principles exam within one (1) year or have a current Pest Control Adviser License, Qualified Applicator License, Journeyman Pilot Certificate or Apprentice Pilot Certificate, check the "Exempt" box. To qualify for this exemption, you must enter the number from your current license or certificate.
- D. **Examinations.** Indicate the examinations you want to take by checking the appropriate boxes. 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-P) 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. A maximum of four (4) examinations may be scheduled per location (testing may occur at only one location per month). See Qualified Applicator Certificate category descriptions and suggested study material source list in the Qualified Applicator Certificate Packet at www.cdpr.ca.gov/docs/license/app_packets/qac.pdf for examination information.
- E. **Examination Schedule.** Indicate the exam month and location in the appropriate boxes. This information may be obtained from the Exam Schedule provided with the General Information Packet or from DPR's web site at www.cdpr.ca.gov. The exam schedule gives the location, schedule, and final filing dates. Your application must be *postmarked* by the final filing date for that location. DPR will assign your exam date.
- F. **Reasonable Accommodation.** Reasonable Accommodation will be provided to applicants who need assistance to take a written exam. If you check "Yes", you will be contacted via telephone or mail to make specific testing arrangements.
- G. **Fees. All fees are non-transferable and non-refundable.**
New Applicant Fee: \$40
Examination Fee: \$50
- A new applicant fee is only required if you meet the criteria for a "New Application" as stated above in Section A, Application Type.
- An examination fee of \$50 is required for each examination (including Laws, Regulations and Basic Principles) you are requesting to schedule.
- H. **Read Before Signing.** Check appropriate box.
- I. **Declaration/Signature Block.** Sign and date your application. Enclose a check, money order or credit card payable to "Cashier, DPR" and mail to: Cashier, Department of Pesticide Regulation, P.O. Box 4015, Sacramento, California 95812-4015.

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

QUALIFIED APPLICATOR CERTIFICATE PEST CONTROL CATEGORY DESCRIPTIONS

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. Contact the Department of Pesticide Regulation (DPR) with questions.

Residential, Industrial and Institutional (Category A)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none">• Residential areas and around households and immediate environments;• Industrial establishments, such as, packinghouses, food manufacturing and processing plants, warehouse, grain elevators and factories;• Stored or post-harvest commodity fumigations at facilities or on trucks, vans, or rail cars;• Mining and chemical processes;• Institutions, such as, schools, hospitals, libraries, auditoriums, and office buildings;• Landscaping of walkways, parking lots, and other areas adjacent to these buildings;• Non-landscaped outside areas, such as, storage yards, tank farms, or electrical substations that are directly related to the operation of buildings or facilities;• Treatment of cooling towers and evaporative condensers;• Sanitizing institutional potable lines, dairy milk lines, and other similar areas; and• Bird control on structures. When birds are damaging ornamental and turf plantings adjacent to structure.
This category does not cover the use of pesticides for landscape maintenance, nor does it include structural pest control for hire. Structural pest control involves the control of pests, which may invade households or other structures. A business that is involved in structural pest control for hire is licensed by the Structural Pest Control Board. For more information, contact the Structural Pest Control Board, 1422 Howe Avenue, Suite 3, Sacramento, California 95825-3280; or call (916) 263-2544.	

Landscape Maintenance (Category B)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none">• Natural or planted ornamental and turf landscaped areas and other outside areas around buildings;• Residential yards (including home gardens and orchards), recreation areas, schoolyards, vacant lots, storage yards, greenbelts, golf courses, cemeteries, parks, landscaped street medians, sidewalk areas and walkways, and parking lots directly related to landscaped areas;• Landscaped areas in enclosed shopping malls and indoor plants.
This category does not include direct application to running or standing water.	

Right-of-Way (Category C)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none">• Maintenance of roads, highways, power lines, telephone lines, pipelines, canals, railroads or other similar sites;• Landscaped right-of-way areas.
This category does not include direct application to running or standing water.	

Plant Agriculture (Category D)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none">• Production of food, feed, fiber, or ornamental crops;• Grasslands and non-crop agricultural areas;• Rice and similar crops grown in wet or flooded fields.
This category does not cover applications to running or standing water.	

Forest (Category E)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none">• Forest, forest nurseries, and forest seed-producing areas• Site preparation for tree planting, conifer release brush control projects, and stump treatment in forestry management.
This category does not include direct applications to running or standing water.	

Aquatic (Category F)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in or on:	<ul style="list-style-type: none">• Standing or running water.
This category does not include the use of restricted use pesticides for health related, regulatory, demonstration and research, sewer line root pest control purposes or applications to rice and similar crops grown in wet or flooded fields.	

Regulatory (Category G)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none">• Official government programs for the control of regulated pests.

Seed Treatment (Category H)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to:	<ul style="list-style-type: none">• Protect seed for planting.

Animal Agriculture(Category I)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests on:	<ul style="list-style-type: none"> • Animals and the facilities in which the animals are confined.

Demonstration and Research (Category J)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices when:	<ul style="list-style-type: none"> • Demonstrating proper application techniques to others if conducting approved field research. • Pesticide Research Authorization form has been submitted and approved by DPR. See website for form http://www.cdpr.ca.gov/docs/registration/regforms/ra/ramenu.htm.
This category is not required of applicators that demonstrate proper techniques, provided they hold all specific categories covering the type of pest control being performed.	

Health Related (Category K)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none"> • Official programs for the management and control of pests having medical and public health importance, such as mosquito abatement pest control activities, and CDFA quarantine programs.

Wood Preservation (Subcategory L)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:	<ul style="list-style-type: none"> • Wood damage; • Wood preservation application within the scope of Residential, Industrial and Institutional, and Right-of-Way pest control categories.

Antifouling Paints or Coatings Containing Tributyltin (Subcategory M)	
This category allows you to apply or supervise the application of:	<ul style="list-style-type: none"> • Antifouling paints or coatings containing tributyltin to control the growth of aquatic organisms on aluminum vessel hulls, commercial or recreational vessel hulls 82 feet or more in length, and/or on outboard motors and lower drive units.

Sewer Line Root Control (Subcategory N)	
This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control:	<ul style="list-style-type: none"> • Roots in sewer lines.

Field Fumigation (Subcategory O)	
This category allows you to apply or supervise the application of restricted and general use <u>fumigants</u> to control pests in:	<ul style="list-style-type: none"> • Field soil only.
This category does not include fumigation of potting soil, soil in greenhouses, or tree/vine hole sites. It also does not include the use of fumigants for rodent and gopher control in fields.	

Microbial Pest Control (Subcategory P)

This category allows you to conduct microbial pest control when engaged in activities, which include:

- Sulfur dioxide fumigant to treat corks and wooden barrels used in wine production;
- Disinfect potable water systems;
- Industrial cooling towers and evaporative condensers.

Maintenance Gardener (Subcategory Q)

This category allows you to apply or supervise the application of general use* pesticides, substances, methods, or devices that is incidental to your commercial maintenance gardening activities in:

- Outdoor ornamental and garden areas surrounding public structures, such as buildings, brick walls, fountains, fences, statues;
- Outdoor ornamental and garden areas surrounding commercial parks, such as, offices, restaurants, warehouses, factories, stores, shopping centers, malls.
- Parks, golf courses, cemeteries, but only on ornamental or turf plantings near buildings (clubhouses, pro shops, restrooms) that are distinct and separate from the plantings that constitute open space landscaping in a park, golf course or cemetery itself.

*General Use versus Restricted Use Pesticides:

Pesticides are classified into two groups, general use and restricted use. General use pesticides are available for purchase by anyone, provided they are applied according to label instructions on the individual's own property or with permission of the property owner. Restricted use pesticides are available only to certified applicators. Restricted use includes any materials that are hazardous to public health, farm workers, domestic animals, the environment, wildlife, or crops other than those being treated (CFR Title 40, Part 152.160-175).

Maintenance Gardeners who engage in pest control for hire, incidental to their gardening business, must obtain a Maintenance Gardener Pest Control Business License. See the Maintenance Gardener Pest Control Business License Packet for more information at http://www.cdpr.ca.gov/docs/license/app_packets/mgardener.pdf. This category does not include direct application to running or standing water.

SUGGESTED STUDY MATERIAL SOURCE LIST
Qualified Applicator Certificate (QAC)

Studying the suggested study material can make the difference between passing and failing Department of Pesticide Regulation (DPR) QAC examinations. The examinations are based on the study materials listed below. Options for obtaining the study material include purchasing, viewing or downloading from the web, and borrowing from public or college libraries. Some University of California (UC) Extension/Farm Advisor offices sell the material. Instructions for obtaining study material are found on page 7.

PRIMARY STUDY MATERIAL

Examination Title:

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

Study Material	Source
<u>Laws and Regulations Study Guide, Second Edition.</u> A.R. Gallo, 2011.	<ul style="list-style-type: none"> • DPR, online: http://www.cdpr.ca.gov/docs/license/pubs/laws_regs_study_guide.pdf • DPR, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> • UC, see page 7.

Examination Title:

Residential, Industrial, and Institutional (Category A)

Study Material	Source
<u>Residential, Industrial, and Institutional Pest Control, Second Edition.</u> P.J. O’Connor-Marer, 2006.	<ul style="list-style-type: none"> • UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> • UC, see page 7.

Examination Title:

Landscape Maintenance (Category B)

Study Material	Source
<u>Landscape Maintenance Pest Control.</u> P.J. O’Connor-Marer, 2006.	<ul style="list-style-type: none"> • UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> • UC, see page 7.
<u>Knowledge Expectations: Landscape Maintenance Pest Control (Category B).</u>	<ul style="list-style-type: none"> • DPR, online: http://www.cdpr.ca.gov/docs/license/knwldg_expcttns_cat_b.pdf

Suggested Study Material Source List – Qualified Applicator Certificate (QAC)

**Examination Title:
Right-of-Way (Category C)**

Study Material	Source
<u>Forest and Right-of-Way Pest Control</u> . S.H. Dreistadt, 2013	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marer, 2000.	• UC, see page 7.
<u>Knowledge Expectations: Right-of-Way Pest Control (Category C)</u> .	• DPR, online: http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_c.pdf

**Examination Title:
Plant Agriculture (Category D)**

Study Material	Source
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marer, 2000.	• UC, see page 7.

**Examination Title:
Forest (Category E)**

Study Material	Source
<u>Forest and Right-of-Way Pest Control</u> . S.H. Dreistadt, 2013	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marer, 2000.	• UC, see page 7.
<u>Knowledge Expectations: Forest Pest Control (Category E)</u> .	• DPR, online: http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_e.pdf

**Examination Title:
Aquatic (Category F)**

Study Material	Source
<u>Aquatic Pest Control</u> . P.J. O’Connor-Marer and K.K. Garvey, 2001.	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marer, 2000.	• UC, see page 7.

**Examination Title:
Regulatory (Category G)**

Study Material	Source
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marer, 2000.	• UC, see page 7.
<u>California Food and Agriculture Code (FAC), Division 6, Division 7, & Division 13</u> .	• DPR, online: http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fac&codebody=&hits=20
<u>Plant Quarantine Manual</u> .	• CDFA, online: http://pi.cdffa.ca.gov/pqm/manual/htm/pqm_index.htm

Suggested Study Material Source List – Qualified Applicator Certificate (QAC)

**Examination Title:
Seed Treatment (Category H)**

Study Material	Source
<u>Seed Treatment</u> . E.L. Foland, Kansas State University, 1997.	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marar, 2000.	• UC, see page 7.

**Examination Title:
Animal Agriculture (Category I)**

Study Material	Source
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marar, 2000.	• UC, see page 7.
<u>Prevention and Control of Wildlife Damage</u> . S.E. Hygnstrom, R.M. Timm, and G.E. Larson, University of Nebraska Cooperative Extension, 1994.	• Online: http://icwdm.org/handbook

**Examination Title:
Demonstration and Research (Category J)**

Study Material	Source
<u>Demonstration and Research Uses of Pesticides</u> . D. Clarke, 2003.	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marar, 2000.	• UC, see page 7.

**Examination Title:
Health Related (Category K)**

Study Material	Source
<u>Residential, Industrial, and Institutional Pest Control, Second Edition</u> . P.J. O’Connor-Marar, 2006.	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marar, 2000.	• UC, see page 7.
<u>Any textbook dealing with community pests and related vector control</u> .	• Book sellers. • Libraries.

**Examination Title:
Wood Preservation (Subcategory L)**

Study Material	Source
<u>Wood Preservation</u> . P.J. O’Connor-Marar and M. Grimes, 1992.	• UC, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition</u> . P.J. O’Connor-Marar, 2000.	• UC, see page 7.

Suggested Study Material Source List – Qualified Applicator Certificate (QAC)

Examination Title:

Antifouling Paints or Coatings Containing Tributyltin (Subcategory M)

Study Material	Source
<u>Certification Training for Safe Handling and Use of Antifouling Paints Containing Tributyltin (TBT).</u> National Paint and Coatings Association revised 2001.	<ul style="list-style-type: none"> DPR, online: www.cdpr.ca.gov/docs/license/studymat/index.htm
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> UC, see page 7.
<u>Section 6488 Antifouling Paints or Coatings Containing Tributyltin.</u> Title 3, California Code of Regulations.	<ul style="list-style-type: none"> DPR, online: http://www.cdpr.ca.gov/docs/legbills/calcode/020404.htm#a6488 and http://www.cdpr.ca.gov/docs/legbills/calcode/020404.htm#a6489
<u>Section 6489 Tributyltin Paint and/or Coating Additives.</u> Title 3, California Code of Regulations.	<ul style="list-style-type: none"> DPR, online: http://www.cdpr.ca.gov/docs/legbills/calcode/020404.htm#a6489

Examination Title:

Sewer Line Root Control (Subcategory N)

Study Material	Source
<u>Sewer Line Root Control.</u> P.J. Marer, 1996.	<ul style="list-style-type: none"> DPR, online: http://www.cdpr.ca.gov/docs/license/pubs/sewrline.pdf
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> UC, see page 7.

Examination Title:

Field Fumigation (Subcategory O)

Study Material	Source
<u>Field Fumigation Study Guide.</u> S. Cohen and T.A. Martin, 2009.	<ul style="list-style-type: none"> UC, see page 7.
<u>Addendum to the Field Fumigation Study Guide.</u> DPR, 2011.	<ul style="list-style-type: none"> DPR, online: http://www.cdpr.ca.gov/docs/license/pubs/fieldfum_study_guide_addendum.pdf
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> UC, see page 7.
<u>Knowledge Expectations: Field Fumigation Pest Control (Subcategory O).</u>	<ul style="list-style-type: none"> DPR online: http://www.cdpr.ca.gov/docs/license/knwldg_expcttns_subcat_o.pdf

Examination Title:

Microbial Pest Control (Subcategory P)

Study Material	Source
<u>Microbial Pest Control Study Guide.</u> P.J. O’Connor-Marer, 2011.	<ul style="list-style-type: none"> DPR, online: http://www.cdpr.ca.gov/docs/license/pubs/microbial_pest_control_study_guide.pdf DPR, see page 7.
<u>The Safe and Effective Use of Pesticides, Second Edition.</u> P.J. O’Connor-Marer, 2000.	<ul style="list-style-type: none"> UC, see page 7.
<u>Knowledge Expectations: Microbial Pest Control (Subcategory P).</u>	<ul style="list-style-type: none"> DPR, online: http://www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_p.pdf

Suggested Study Material Source List – Qualified Applicator Certificate (QAC)

**Examination Title:
Maintenance Gardener (Subcategory Q)**

Study Material	Source
<u>University of California IPM – Maintenance Gardener Exam Preparation Help Page</u>	<ul style="list-style-type: none"> UC, online: http://www.ipm.ucdavis.edu/categoryq
<u>Lawn and Residential Landscape Pest Control: A Guide for Maintenance Gardeners</u> . S. Cohen, M.L. Flint, and N. Hine, 2009.	<ul style="list-style-type: none"> UC, see page 7.
<u>Knowledge Expectations: Maintenance Gardener Pest Control (Subcategory Q)</u> .	<ul style="list-style-type: none"> UC, online: http://www.ipm.ucdavis.edu/PDF/MISC/CatQMGGKnowledgeExpectations.pdf

**Título de Examen:
Jardinero de Mantenimiento (Subcategoría Q)**

Material de Estudio	Fuente
<u>Página de ayuda de preparación de examen de control de plagas de jardinero de mantenimiento.</u>	<ul style="list-style-type: none"> UC, en línea: http://www.ipm.ucdavis.edu/categoryq/indexsp.html
<u>Control de plagas para césped y jardines residenciales: Una guía para jardineros de mantenimiento</u> . S. Cohen, M.L. Flint, and N. Hine, 2009.	<ul style="list-style-type: none"> UC, ver la página 7.
<u>Lista de Expectativas de Conocimientos para la licencia de certificado de aplicador de pesticidas para jardineros de mantenimiento (Subcategory Q)</u> .	<ul style="list-style-type: none"> UC, en línea: http://www.cdpr.ca.gov/docs/license/studymat/spanish/knowledge_subcat_q_sp.pdf

Suggested Study Material Source List – Qualified Applicator Certificate (QAC)

SUPPLEMENTAL QAC EXAMS STUDY MATERIAL

The QAC examinations are based on the primary suggested study material. It is highly recommended that the primary materials be studied to prepare for the examinations. The supplemental study material listed below *may* offer some additional help.

Study Material	Source
Qualified Applicator Certificate Application Packet	<ul style="list-style-type: none"> DPR online: http://www.cdpr.ca.gov/docs/license/qac.htm
California Food and Agricultural Code, Divisions 6, 7, and 13.	<ul style="list-style-type: none"> DPR, online: http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fac&codebody=&hits=20
Title 3, California Code of Regulations, Division 6.	<ul style="list-style-type: none"> DPR online: http://www.cdpr.ca.gov/docs/legbills/calcode/chapter_.htm
<u>Harvest Aid Materials and Practices for California Cotton</u> . R.B. Hutmacher, R.N. Vargas, S.D. Wright, and B.A. Roberts, 2003.	<ul style="list-style-type: none"> UC, online: http://anrcatalog.ucanr.edu/pdf/4043e.pdf
<u>Herbicide Handbook of the Weed Science, Society of America 7th Edition</u> . The Weed Science Society of America, 1994.	<ul style="list-style-type: none"> Book sellers Libraries
<u>IPM in Practice, Principles and Methods of Integrated Pest Management, Second Edition</u> . M.L. Flint, 2012.	<ul style="list-style-type: none"> UC, see page 7.
<u>Landscape Pest Identification Cards</u> . L. Strand, 2009.	<ul style="list-style-type: none"> UC, see page 7.
<u>Natural Enemies Handbook: The Illustrated Guide to Biological Control</u> . M.L. Flint and S.H. Dreistadt, 1998.	<ul style="list-style-type: none"> UC, see page 7.
<u>Pests of Landscape Trees and Shrubs</u> . S.H. Dreistadt, 2004.	<ul style="list-style-type: none"> UC, see page 7.
<u>Plant Growth Regulators, Revised Edition</u> . University of California Agricultural and Natural Resources, 2003.	<ul style="list-style-type: none"> UC, see page 7.
<u>Plants Indoors: Selections for Various Environmental Conditions</u> . Tokuji Furuta, 1976.	<ul style="list-style-type: none"> UC, see page 7.
<u>Weeds of California and Other Western States</u> . J.M. DiTomaso and E. A. Healy, 2007.	<ul style="list-style-type: none"> UC, see page 7.
<u>Principles of Weed Control, Fourth Edition</u> . California Weed Science Society, 2014.	<ul style="list-style-type: none"> UC, see page 7.
<u>Weeds of the West, New Revised Edition</u> . Western Society of Weed Science, 2012.	<ul style="list-style-type: none"> UC, see page 7. Book sellers. Libraries.
<u>Wildlife Pest Control Around Gardens and Homes, Second Edition</u> . T.P. Salmon, 2006.	<ul style="list-style-type: none"> UC, see page 7.

**OBTAINING STUDY MATERIALS from the
University of California and the Department of Pesticide Regulation**

UNIVERSITY OF CALIFORNIA

1. Order UC publications:
 - a. Online: www.anrcatalog.ucanr.edu,
 - b. By phone: (800) 994-8849 or (510) 665-2195; or
 - c. Contact the local University of California Cooperative Extension/County Farm Advisor office.
2. Contact information for University of California, Agriculture & Natural Resources publications:
Communication Services
University of California, Agriculture & Natural Resources
1301 S. 46th Street
Building 478 – MC 3580
Richmond, CA 94804
(800) 994-8849 or (510) 665-2195.

DEPARTMENT OF PESTICIDE REGULATION

1. Order DPR publications by mail:
 - a. Complete the Video/Publication Order Form, available at <http://www.cdpr.ca.gov/docs/dept/dpr003.pdf>, or
 - b. Complete a hand-written request **including** the DPR publication number(s), found in the order form.
 - c. Mail request to:
Department of Pesticide Regulation
Attn: Cashier
P.O. Box 4015
Sacramento, CA 95812-4015
2. Contact the Cashier Office if you have any questions about ordering publications: (916) 323-3885.

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