

# QUALIFIED APPLICATOR CERTIFICATE PACKET

## Contains the following documents:

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

## 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 a private applicator<sup>1</sup> (Title 3 of California Code of Regulations [3 CCR], section 6000).

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### Basic licensing requirements

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

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### 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                 |                           |

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

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### Exam schedules/ processing time

The DPR Exam Schedule is posted on the web site at [http://www.cdpr.ca.gov/docs/license/exam\\_sched.pdf](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.

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<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; OR a householder who uses or supervises the use of a pesticide outside a residential dwelling to control ornamental, plant or turf pests on property owned, leased, or rented by that householder.

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**Preparing for the examination**

To prepare for the examination, you should 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 Knowledge Expectations available on our web site that outline the type of information you will be expected to know when you take the examination.

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**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.

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**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.

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**Second-year fee notice**

If you pass the required examinations you may receive a Second-year Fee Notice. If you receive this notice, it means that in order to issue your 2 year certificate, an additional \$30 is required. The 2 year cycles are illustrated in the table below.

<b>If your last name begins with...</b>	<b>Then your certificate will...</b>
A through L	Expire on December 31 of even-numbered years (e.g. 2018, 2020, 2022, etc.)
M through Z	Expire on December 31 of odd numbered years (e.g. 2017, 2019, 2021, etc.)

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**Valid certificates**

List of valid licenses and certificates may be viewed at [www.cdpr.ca.gov/docs/license/currlic.htm](http://www.cdpr.ca.gov/docs/license/currlic.htm).

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**Certificate duration**

Refer to the table above for expiration date.

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**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.<sup>2</sup> 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 section 6511).

QAC holders who have Category M, N, P, or Q 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 renewal of your QAC.

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

- CE requirements: [www.cdpr.ca.gov/docs/license/conted.htm](http://www.cdpr.ca.gov/docs/license/conted.htm)
- DPR-approved CE courses: [www.cdpr.ca.gov/docs/license/classes.htm](http://www.cdpr.ca.gov/docs/license/classes.htm)

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<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.

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

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

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**Miscellaneous fees** The following chart lists possible miscellaneous fees.

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

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

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**Common mistakes**

The most common application errors are:

- incorrect fees submitted;
- final filing date was missed; and
- the preferred month, location and type of examination(s) was not specified.

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

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**Our physical  
address**

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

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**Our mailing  
address**

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

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**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](mailto:licenseemail@cdpr.ca.gov).

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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 appropriate box(es). **FOR COMPLETE INSTRUCTIONS, SEE PAGE 2.**

<input type="checkbox"/> NEW APPLICATION (New Application Fee of \$40 is required in Section G).	<input type="checkbox"/> REEXAMINATION - FAIL OR NO SHOW ON PREVIOUS EXAM	<input type="checkbox"/> ADDING PEST CONTROL CATEGORY(IES)
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**B. Applicant Information.**

NAME (Last)	(First)	(Middle Initial)	QAC NUMBER(Certificate/Application #) (if applicable)	HOME PHONE NUMBER ( )
MAILING ADDRESS (Number and Street or P.O. Box)				WORK PHONE NUMBER ( )
(City)	(County)	(State)	(ZIP Code)	CELL PHONE NUMBER ( )
CURRENT EMPLOYER (Check only one box) City County State Federal Pest Control Business Maintenance Gardener Other or N/A				E-MAIL ADDRESS
EMPLOYER NAME AND MAILING ADDRESS (If Applicable) (Number and Street, P.O. Box, City, State, Zip Code)				

**C. Examination - Laws, Regulations and Basic Principles.**

Laws, Regulations and Basic Principles **\$50** No fee or examination is required if you:

**This examination must be passed in addition to one or more categories in Section D below to obtain a QAC.**

(1) Have a valid PCA, APC, JPC, OR QAL License/Certificate Number: \_\_\_\_\_  
 OR  
 (2) Have passed this exam within the last 12 months Application #: \_\_\_\_\_

**D. Examinations - Categories.** Indicate the examination(s) you want to take by checking the appropriate boxes. One or more of the following exams must be passed in addition to the exam in Section C above to obtain a QAC. Only four (4) examinations may be taken at one time (including Laws, Regulations and Basic Principles).

<input type="checkbox"/> (A) Residential, Industrial, and Institutional <b>\$50</b>	<input type="checkbox"/> (I) Animal Agriculture <b>\$50</b>
<input type="checkbox"/> (B) Landscape Maintenance <b>\$50</b>	<input type="checkbox"/> (J) Demonstration and Research <b>\$50</b>
<input type="checkbox"/> (C) Right-of-Way <b>\$50</b>	<input type="checkbox"/> (K) Health Related <b>\$50</b>
<input type="checkbox"/> (D) Plant Agriculture <b>\$50</b>	<input type="checkbox"/> (L) Wood Preservation <b>\$50</b>
<input type="checkbox"/> (E) Forest <b>\$50</b>	<input type="checkbox"/> (M) Antifouling-Tributyltin <b>\$50</b>
<input type="checkbox"/> (F) Aquatic <b>\$50</b>	<input type="checkbox"/> (N) Sewer Line Root Control <b>\$50</b>
<input type="checkbox"/> (G) Regulatory <b>\$50</b>	<input type="checkbox"/> (O) Field Fumigation <b>\$50</b>
<input type="checkbox"/> (H) Seed Treatment <b>\$50</b>	<input type="checkbox"/> (P) Microbial <b>\$50</b>

(Q) Maintenance Gardener  
 English **\$50**  
 Spanish **\$50**

*Laws, Regulations and Basic Principles exam is not required for this category.*

**E. Examination Schedule.** To complete this section, see DPR Web site for the examination schedule for available months and locations. DPR will assign the exam date.

FIRST CHOICE - EXAMINATION MONTH & LOCATION	SECOND CHOICE - EXAMINATION MONTH & 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.** (Make check payable to "DPR Cashier")

	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 Section C)	\$50	\$ _____
- Category(ies) Examination Fee(s) (If required per Section D)	(Enter the # of categories) \$50 X _____ =	\$ _____
<b>Total Fees Due</b>		<b>\$ _____</b>

**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 (Attach explanation on separate page.) NO

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

APPLICANT SIGNATURE	DATE SIGNED
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# QUALIFIED APPLICATOR CERTIFICATE APPLICATION INSTRUCTIONS

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

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; Qualified Applicator Certificate or Application Number (if applicable); address; e-mail address; home; work; and cell 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.*  
Exemptions: (Check the appropriate box). No fee or examination is required if you: have a current Pest Control Adviser License (PCA), Qualified Applicator License (QAL), Journeyman Pilot Certificate (JPC), or Apprentice Pilot Certificate (APC). To qualify for this exemption, you must enter the number from your current license or certificate next to the (1) exemption, OR (2) have passed the Laws, Regulations and Basic Principles Exam within one (1) year.

D. **Examination – Category(ies):** 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-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, including the Laws, Regulations and Basic Principles examination, and *you may only test once 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](http://www.cdpr.ca.gov/docs/license/app_packets/qac.pdf)>.

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. Exam month and location options may be obtained from DPR's Web site at: <[www.cdpr.ca.gov/docs/license/exam\\_sched.pdf](http://www.cdpr.ca.gov/docs/license/exam_sched.pdf)>. The exam schedule gives the location, schedule, and final filing dates. 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 a written exam. If you check "Yes", you will be contacted via phone, e-mail, or mail.

G. **Fees: All fees are non-transferable and non-refundable.**  
New Application Fee: \$40.....(See Section A)  
Laws, Regulations and Basic Principles Examination Fee: \$50.....(See Section C)  
Category(ies) Examination Fee(s): \$50 *per exam*.....(See Section D)

H. **Read Before Signing:** Check appropriate box and provide explanation on separate page, if necessary.

I. **Declaration/Signature Block:** Sign and date your application.

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

Cashier, Department of Pesticide Regulation  
P.O. Box 4015  
Sacramento, California 95812-4015.



## 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.

<b>Residential, Industrial and Institutional (Category A)</b>	
<p>This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:</p>	<ul style="list-style-type: none"><li>• Residential areas and around households and immediate environments;</li><li>• Industrial establishments, such as, packinghouses, food manufacturing and processing plants, warehouse, grain elevators and factories;</li><li>• Stored or post-harvest commodity fumigations at facilities or on trucks, vans, or rail cars;</li><li>• Mining and chemical processes;</li><li>• Institutions, such as, schools, hospitals, libraries, auditoriums, and office buildings;</li><li>• Landscaping of walkways, parking lots, and other areas adjacent to these buildings;</li><li>• Non-landscaped outside areas, such as, storage yards, tank farms, or electrical substations that are directly related to the operation of buildings or facilities;</li><li>• Treatment of cooling towers and evaporative condensers;</li><li>• Sanitizing institutional potable lines, dairy milk lines, and other similar areas; and</li><li>• Bird control on structures, when birds are damaging ornamental and turf plantings adjacent to structure.</li></ul>
<p>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, <a href="http://www.pestboard.ca.gov">www.pestboard.ca.gov</a>; or call (916) 561-8704.</p>	

<b>Landscape Maintenance (Category B)</b>	
<p>This category allows you to apply or supervise the application of restricted and general use pesticides, substances, methods, or devices to control pests in:</p>	<ul style="list-style-type: none"><li>• Natural or planted ornamental and turf landscaped areas and other outside areas around buildings;</li><li>• 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;</li><li>• Landscaped areas in enclosed shopping malls and indoor plants.</li></ul>
<p>This category does not include direct application to running or standing water.</p>	

<b>Right-of-Way (Category C)</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"><li>• Maintenance of roads, highways, power lines, telephone lines, pipelines, canals, railroads or other similar sites;</li><li>• Landscaped right-of-way areas.</li></ul>
This category does not include direct application to running or standing water.	

<b>Plant Agriculture (Category D)</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"><li>• Production of food, feed, fiber, or ornamental crops;</li><li>• Grasslands and non-crop agricultural areas;</li><li>• Rice and similar crops grown in wet or flooded fields.</li></ul>
This category does not cover applications to running or standing water or field fumigation applications.	

<b>Forest (Category E)</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"><li>• Forest, forest nurseries, and forest seed-producing areas</li><li>• Site preparation for tree planting, conifer release brush control projects, and stump treatment in forestry management.</li></ul>
This category does not include direct applications to running or standing water.	

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

<b>Regulatory (Category G)</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"><li>• Official government programs for the control of regulated pests, such as CDFA quarantine programs for Mediterranean fruit fly, Asian citrus psyllid, etc.</li></ul>

<b>Seed Treatment (Category H)</b>	
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"><li>• Protect seed for planting.</li></ul>

<b>Animal Agriculture (Category I)</b>	
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"><li>• Animals and the facilities in which the animals are confined.</li></ul>

<b>Demonstration and Research (Category J)</b>	
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"><li>• Demonstrating proper application techniques to others if conducting approved field research.</li><li>• Pesticide Research Authorization form has been submitted and approved by DPR. See website for form <a href="http://www.cdpr.ca.gov/docs/registration/regforms/ra/ramenu.htm">http://www.cdpr.ca.gov/docs/registration/regforms/ra/ramenu.htm</a>.</li></ul>
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.	

<b>Health Related (Category K)</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"><li>• Official programs for the management and control of pests having medical and public health importance, such as official government mosquito abatement programs.</li></ul>

<b>Wood Preservation (Subcategory L)</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"><li>• Wood damage;</li><li>• Wood preservation application within the scope of Residential, Industrial and Institutional, and Right-of-Way pest control categories.</li></ul>

<b>Antifouling Paints or Coatings Containing Tributyltin (Subcategory M)</b>	
This category allows you to apply or supervise the application of:	<ul style="list-style-type: none"><li>• 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.</li></ul>

<b>Sewer Line Root Control (Subcategory N)</b>	
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"><li>• Roots in sewer lines.</li></ul>

<b>Field Fumigation (Subcategory O)</b>	
This category allows you to apply or supervise the application of restricted and general use fumigants to control pests in:	<ul style="list-style-type: none"><li>• Field soil only.</li></ul>
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).

A maintenance gardening business that engages in pest control for hire, incidental to their gardening business, must also 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](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)

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 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.

### PRIMARY STUDY MATERIAL

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

Study Material	Source
<u>Knowledge Expectations: Laws, Regulations, and Basic Principles of Safe and Effective Pesticide Use (Core exam).</u>	<ul style="list-style-type: none"> <li>DPR online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_r.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_r.pdf</a></li> </ul>
<u>Laws and Regulations Study Guide, Second Edition.</u> A.R. Gallo, 2011.	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/pubs/laws_regs_study_guide.pdf">http://www.cdpr.ca.gov/docs/license/pubs/laws_regs_study_guide.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> University of California Integrated Pest Management (UC IPM) Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

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

Study Material	Source
<u>Knowledge Expectations: Residential, Industrial, and Institutional (Category A).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_a.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_a.pdf</a></li> </ul>
<u>Residential, Industrial, and Institutional Pest Control, Second Edition.</u> P.J. O'Connor-Marer, 2006.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

#### Landscape Maintenance (Category B)

Study Material	Source
<u>Knowledge Expectations: Landscape Maintenance (Category B).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_b.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_b.pdf</a></li> </ul>
<u>Landscape Maintenance Pest Control.</u> P.J. O'Connor-Marer, 2006.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Suggested Study Material Source List**

**Right-of-Way (Category C)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Right-of-Way (Category C).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_c.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_c.pdf</a></li> </ul>
<u>Forest and Right-of-Way Pest Control.</u> S.H. Dreistadt, 2013.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Plant Agriculture (Category D)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Plant Agriculture (Category D).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_d.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_d.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Forest (Category E)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Forest (Category E).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_e.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_e.pdf</a></li> </ul>
<u>Forest and Right-of-Way Pest Control.</u> S.H. Dreistadt, 2013.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Aquatic (Category F)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Aquatic (Category F).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_f.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_f.pdf</a></li> </ul>
<u>Aquatic Pest Control.</u> P.J. O'Connor-Marer and K.K. Garvey, 2001.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Regulatory (Category G)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Regulatory (Category G).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_g.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_g.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>California Food and Agriculture Code (FAC), Division 6, Division 7, &amp; Division 13.</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://leginfo.legislature.ca.gov/faces/codesTOCSelected.xhtml?tocCode=FAC&amp;tocTitle=+Food+and+Agricultural+Code+-+FAC">http://leginfo.legislature.ca.gov/faces/codesTOCSelected.xhtml?tocCode=FAC&amp;tocTitle=+Food+and+Agricultural+Code+-+FAC</a></li> </ul>
<u>Plant Quarantine Manual.</u>	<ul style="list-style-type: none"> <li>CDFA, online: <a href="http://pi.cdffa.ca.gov/pqm/manual/htm/pqm_index.htm">http://pi.cdffa.ca.gov/pqm/manual/htm/pqm_index.htm</a></li> </ul>

**Suggested Study Material Source List**

**Seed Treatment (Category H)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Seed Treatment (Category H).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_h.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_h.pdf</a></li> </ul>
<u>Seed Treatment.</u> E.L. Foland, Kansas State University, 1997.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Animal Agriculture (Category I)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Animal Agriculture (Category I).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_i.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_i.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>Prevention and Control of Wildlife Damage.</u> S.E. Hygnstrom, R.M. Timm, and G.E. Larson, University of Nebraska Cooperative Extension, 1994.	<ul style="list-style-type: none"> <li>Online: <a href="http://icwdm.org/handbook">http://icwdm.org/handbook</a></li> </ul>

**Demonstration and Research (Category J)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Demonstration and Research (Category J).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_j.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_j.pdf</a></li> </ul>
<u>Demonstration and Research Uses of Pesticides.</u> D. Clarke, 2003.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>Laws and Regulations Study Guide, Second Edition.</u> A.R. Gallo, 2011.	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/pubs/laws_regs_study_guide.pdf">http://www.cdpr.ca.gov/docs/license/pubs/laws_regs_study_guide.pdf</a></li> </ul>
<u>Title 3, California Code of Regulations, Division 6, Sections 6260, 6261, 6262, 6263, 6264, 6266, 6268, 6270, 6272, 6602, 6618, 6619, 6761.1.</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/legbills/calcode/chapter.htm">http://www.cdpr.ca.gov/docs/legbills/calcode/chapter.htm</a></li> </ul>

**Suggested Study Material Source List**

**Health Related (Category K)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Health Related (Category K).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_k.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_k.pdf</a></li> </ul>
<u>Residential, Industrial, and Institutional Pest Control, Second Edition.</u> P.J. O'Connor-Marer, 2006	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
Additional website information that may be helpful.	<ul style="list-style-type: none"> <li><a href="http://www.cdpr.ca.gov/docs/dept/factshts/epadoc.htm">www.cdpr.ca.gov/docs/dept/factshts/epadoc.htm</a></li> <li><a href="http://www.ipm.ucanr.edu/PMG/PESTNOTES/mosquitofarm12.html">www.ipm.ucanr.edu/PMG/PESTNOTES/mosquitofarm12.html</a></li> <li><a href="http://www.ipm.ucanr.edu/PMG/r7600211.html">www.ipm.ucanr.edu/PMG/r7600211.html</a></li> <li><a href="http://www.ipm.ucdavis.edu/PMG/PESTNOTES/">www.ipm.ucdavis.edu/PMG/PESTNOTES/</a></li> <li><a href="http://www.epa.gov/mosquitocontrol">www.epa.gov/mosquitocontrol</a></li> <li><a href="http://www.epa.gov/reducing-pesticide-drift/introduction-pesticide-drift">www.epa.gov/reducing-pesticide-drift/introduction-pesticide-drift</a></li> <li><a href="http://www.epa.gov/sites/production/files/documents/Module05.pdf">www.epa.gov/sites/production/files/documents/Module05.pdf</a></li> <li><a href="https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/CatB-BiologyandControlofMosquitoesinCA.pdf">https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/CatB-BiologyandControlofMosquitoesinCA.pdf</a></li> <li><a href="https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunitization/Hepatitis-A.aspx">https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunitization/Hepatitis-A.aspx</a></li> </ul>

**Wood Preservation (Category L)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Wood Preservations (Category L).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_l.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_l.pdf</a></li> </ul>
<u>Wood Preservation.</u> P.J. O'Connor-Marer and M. Grimes, 1992.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

**Sewer Line Root Control (Category N)**

<b>Study Material</b>	<b>Source</b>
<u>Knowledge Expectations: Sewer Line Root Control (Category N).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_n.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_cat_n.pdf</a></li> </ul>
<u>Sewer Line Root Control.</u> P.J. Marer, 1996.	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/pubs/sewrline.pdf">http://www.cdpr.ca.gov/docs/license/pubs/sewrline.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>



## Suggested Study Material Source List

### Field Fumigation (Category O)

Study Material	Source
<u>Knowledge Expectations: Field Fumigation (Category O).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_o.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_o.pdf</a></li> </ul>
<u>Field Fumigation Study Guide.</u> S. Cohen and T.A. Martin, 2009.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>
<u>Addendum to the Field Fumigation Study Guide.</u> DPR, 2011.	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/pubs/fieldfum_studyguide_addendum.pdf">http://www.cdpr.ca.gov/docs/license/pubs/fieldfum_studyguide_addendum.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

### Microbial Pest Control (Category P)

Study Material	Source
<u>Knowledge Expectations: Microbial Pest Control (Subcategory P).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_p.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_p.pdf</a></li> </ul>
<u>Microbial Pest Control Study Guide.</u> P.J. O'Connor-Marer, 2011.	<ul style="list-style-type: none"> <li>DPR, online: <a href="https://www.cdpr.ca.gov/docs/license/pubs/microbial_pest_control_study_guide.pdf">https://www.cdpr.ca.gov/docs/license/pubs/microbial_pest_control_study_guide.pdf</a></li> </ul>
<u>The Safe and Effective Use of Pesticides, Third Edition.</u> UC IPM Program, 2016.	<ul style="list-style-type: none"> <li>UC, see page 7.</li> </ul>

### Maintenance Gardener (Category Q) QAC ONLY

Study Material	Source
<u>Knowledge Expectations: Maintenance Gardener (Subcategory Q).</u>	<ul style="list-style-type: none"> <li>DPR, online: <a href="http://www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_q.pdf">www.cdpr.ca.gov/docs/license/studymat/knowledge_subcat_q.pdf</a></li> </ul>
<u>University of California IPM – Maintenance Gardener Exam Preparation Help Page</u>	<ul style="list-style-type: none"> <li>UC, online: <a href="http://www.ipm.ucdavis.edu/categoryq">http://www.ipm.ucdavis.edu/categoryq</a></li> </ul>
<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"> <li>UC, see page 7.</li> </ul>

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

Material de Estudio	Fuente
<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"> <li>UC, en línea: <a href="http://www.cdpr.ca.gov/docs/license/studymat/spanish/knowledge_subcat_q_sp.pdf">www.cdpr.ca.gov/docs/license/studymat/spanish/knowledge_subcat_q_sp.pdf</a></li> </ul>
<u>Página de ayuda de preparación de exámen de control de plagas de jardinero de mantenimiento.</u>	<ul style="list-style-type: none"> <li>UC, en línea: <a href="http://www.ipm.ucdavis.edu/categoryq/indexsp.html">http://www.ipm.ucdavis.edu/categoryq/indexsp.html</a></li> </ul>
<u>Control de plagas para cesped 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"> <li>UC, ver la página 7.</li> </ul>

## Suggested Study Material Source List

### SUPPLEMENTAL QAC AND QAL EXAMS STUDY MATERIAL

The QAC and QAL 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	• DPR online: <a href="http://www.cdpr.ca.gov/docs/license/qac.htm">http://www.cdpr.ca.gov/docs/license/qac.htm</a>
Qualified Applicator License Application Packet	• DPR online: <a href="http://www.cdpr.ca.gov/docs/license/qal.htm">http://www.cdpr.ca.gov/docs/license/qal.htm</a>
California Food and Agricultural Code, Divisions 6, 7, and 13.	DPR, online: <a href="https://leginfo.legislature.ca.gov/faces/codesTOCSelected.xhtml?tocCode=FAC">https://leginfo.legislature.ca.gov/faces/codesTOCSelected.xhtml?tocCode=FAC</a>
Title 3, California Code of Regulations, Division 6.	• DPR, online: <a href="http://www.cdpr.ca.gov/docs/legbills/calcode/chapter_.htm">http://www.cdpr.ca.gov/docs/legbills/calcode/chapter_.htm</a>
<u>Harvest Aid Materials and Practices for California Cotton</u> . R.B. Hutmacher, R.N. Vargas, S.D. Wright, and B.A. Roberts, 2003.	• UC, online: <a href="http://anrcatalog.ucanr.edu/pdf/4043e.pdf">http://anrcatalog.ucanr.edu/pdf/4043e.pdf</a>
<u>Herbicide Handbook of the Weed Science, Society of America 7<sup>th</sup> Edition</u> . The Weed Science Society of America, 1994.	• Book sellers • Libraries
<u>IPM in Practice. Principles and Methods of Integrated Pest Management, Second Edition</u> . M.L. Flint, 2012.	• UC, see page 7.
<u>Landscape Pest Identification Cards</u> . L. Strand, 2009.	• UC, see page 7.
<u>Natural Enemies Handbook: The Illustrated Guide to Biological Control</u> . M.L. Flint and S.H. Dreistadt, 1998.	• UC, see page 7.
<u>Pests of Landscape Trees and Shrubs</u> . S.H. Dreistadt, 2004.	• UC, see page 7.
<u>Plant Growth Regulators, Revised Edition</u> . University of California Agricultural and Natural Resources, 2003.	• UC, see page 7.
<u>Weeds of California and Other Western States</u> . J.M. DiTomaso and E. A. Healy, 2007.	• UC, see page 7.
<u>Principles of Weed Control, Fourth Edition</u> . California Weed Science Society, 2014.	• UC, see page 7.
<u>Weeds of the West, New Revised Edition</u> . Western Society of Weed Science, 2012.	• UC, see page 7. • Book sellers.
<u>Wildlife Pest Control Around Gardens and Homes, Second Edition</u> . T.P. Salmon, 2006.	• UC, see page 7.

**Suggested Study Material Source List**

**Obtaining Study Materials from the  
University of California**

Order UC publications:

1. Online: <https://anrcatalog.ucanr.edu>
2. By phone: (800) 994-8849 or (530) 400-0725; or
3. Contact the local University of California Cooperative Extension/County Farm Advisor office.

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Sacramento, CA 95812

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