

Welcome to the 2021 Virtual ACE Prep Course



Meet our Speakers

Date	Topic	Speaker/Instructor
February 26, 2021 8:00 AM – 10:00 AM	Introduction to ACE – what to expect. What is IPM?	Janet Hurley
March 5, 2021 8:00 AM – 10:00 AM	Selection and implementation of control methods: The science and technology of insecticides and Pesticide Safety, Laws and Labels	Dr. Bob Davis
March 12, 2021 8:00 AM – 10:00 AM	Insect Classification, Biology and Morphology	Wizzie Brown
March 19, 2021 8:00 AM – 10:00 AM	Biting and stinging arthropods and Flies (order Diptera)	Molly Keck
March 26, 2021 8:00 AM – 10:00 AM	Wood destroying insects, Occasional invaders, and Stored product pests	Dr. Bob Davis and Molly Keck
April 2, 2021	Skipping this week – study, study, study	
April 9, 2021 8:00 AM – 10:00 AM	Ants and Cockroaches	Wizzie Brown
April 16, 2021 8:00 AM – 10:00 AM	Putting it all together, what to expect on the exam, finding a proctor	Hurley, Davis, Brown, and Keck



ACE Preparatory Course

INTRODUCTION TO THE
ACE PROGRAM



Introduction



What do you hope to learn from the 7 week ACE prep course?

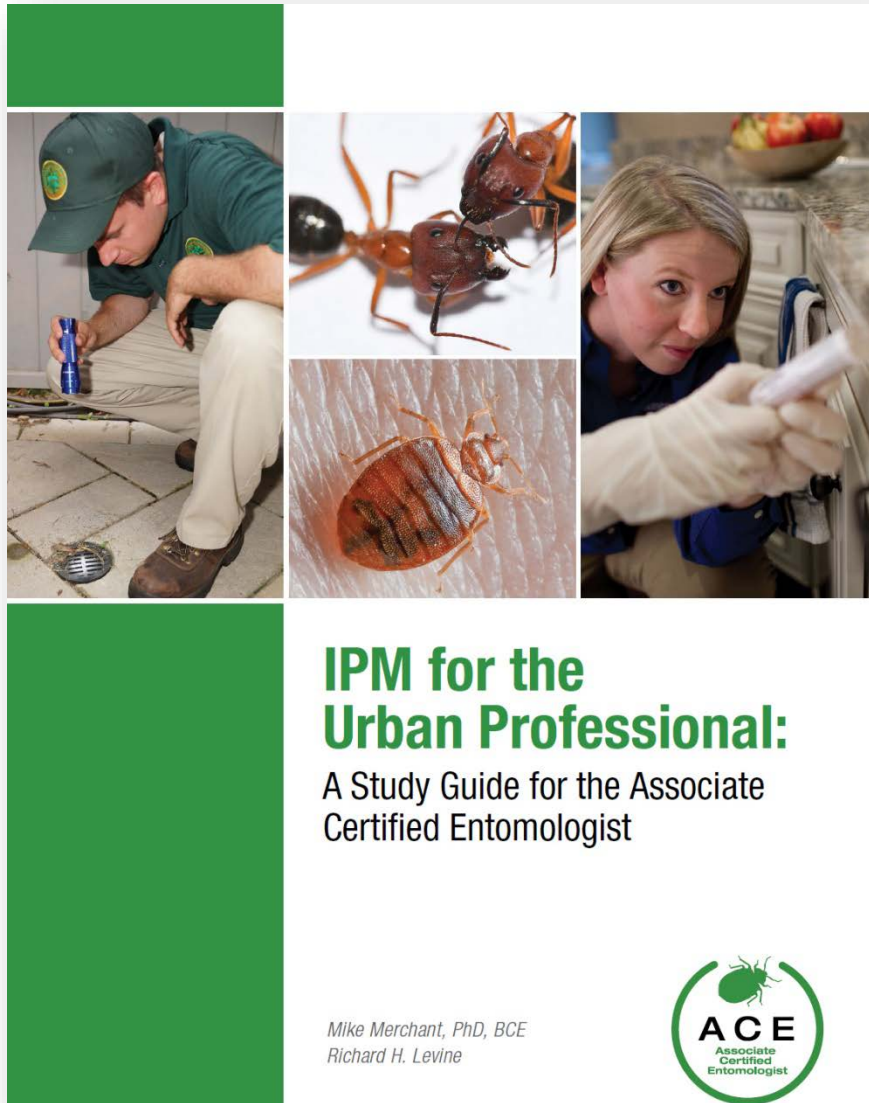
IPM for the Urban Professional

A study guide for the ACE

<http://www.entocert.org/ACE-study-guide>

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ESA Certification Corporation Certification Programs

USER LOGIN

To Entomological Society of America website

- HOME
- ABOUT
- WHY GET CERTIFIED?
- BCE CERTIFICATION
- ACE CERTIFICATION
- FIND AN ENTOMOLOGIST
- RENEW

ACE Certification

ACE Certification can lead to better visibility, opportunities, and jobs.



In today's increasingly complex and highly-specialized economy, credentials are everything. Sure, you know you've got the skills to do the job, but how do you convince potential customers and employers? For many career-minded pest management professionals, certification is often the answer.

The Entomological Society of America, long the industry leader in certification through its Board Certified Entomologist (BCE) program, is pleased to announce a new certification option geared specifically toward the pest management industry. Launched in May of 2004, the ACE program is rapidly becoming the industry-standard for professionalism and training. Consider these remarks from an ACE. His success story is not isolated.

Step 1: Determine eligibility

Step 4: Select a proctor

Step 2: Application

Step 5: Take Your Examination

Step 3: Study for your examination

Step 6: Maintain your certification

ACE Certification

- Requirements
- Application Process
- Examinations
- Fee Schedule
- FAQ
- Maintain My Certification



Why Get Certified?



Become A BCE

For ACE applications, information

HTTP://WWW.ENTO CERT.ORG/ACE- CERTIFICATION

What does it mean to be an ACE?

Certification offered by the ESA Certification Corporation

Widely recognized credential for PMPs

Backed by the Entomological Society of America

Endorsed by the National Pest Management Association





Benefits of ACE?

Embroidered uniform patch

Lapel pin

Decal for office or vehicle

Certificate of accomplishment

Free online subscription to the ESA Newsletter

Discounted rate to attend ESA Annual Conferences

Advertising assistance (upon request)

Right to display letters ACE after name on business cards, correspondence

Right to use ACE logo in promotional advertisements



Eligibility requirements

A current pesticide applicator's license issued in the U.S.,

A minimum of 5 years of verifiable pest management experience*,

Ability to pass a test of your knowledge of structural pest control,

Application fee, which includes your exam and first year of certification, and

A willingness to adhere to the [ACE Code of Ethics](#).

ACE Code of Ethics



Very important aspect of the ACE program

States obligations to

- Society
- The public
- The profession
- Employers and clients
- Fellow professionals

Must read and adhere to

ACE Code of Ethics For Associate Certified Entomologist

PREAMBLE

The profession of Entomology is increasingly important to the welfare and progress of human society. Associate Certified Entomologists (ACE)s have the position and authority to render effective service to humanity, in keeping with high standards of ethical conduct. In order that the honor and dignity of the profession be advanced and maintained, the Entomological Society of America (ESA) has established the following code to define the professional conduct and ethics, binding on ACEs.

OBLIGATIONS TO SOCIETY

- 1 The ACE's knowledge and skills will be used for the betterment of human welfare.
- 1.2 The ACE will share in sustaining the laws, institutions, and burdens of the community.

OBLIGATIONS TO THE PUBLIC

- 2.1 The ACE will follow standard IPM guidelines in the performance of all of his or her professional duties – ensuring proper regard for the safety, health, and welfare of the public and environment; documenting findings as appropriate and required; and keeping all stakeholders informed of the process.
- 2.2 The ACE will be honest and impartial, and will preface any one-sided statements, criticisms, or arguments by clearly indicating on whose behalf they are made.
- 2.3 The ACE will express an opinion on an entomological subject only when it is founded on adequate knowledge and honest conviction, and will be factual in all estimates, reports, and testimonies.

OBLIGATIONS TO THE PROFESSION

- 3.1 The ACE will strive to advance the science and art of entomology, to guard and uphold its high standard of honor, and to conform to the principles of professional conduct.

What must I do to maintain certification?

1

Renew every three years

2

Submit required number (18) of CEUs during the three-year period

3

Submit photocopy of current pesticide applicator's license

4

Sign document stipulating adherence to ACE Code of Ethics

5

Pay required fees (\$375/\$295 for ESA members)



Is an ACE an entomologist?

Section 3.4 of the ACE Code of Ethics stipulates that ACEs must refer to themselves as Associate Certified Entomologists, or ACEs—not as “entomologists” or even “certified entomologists”

What's the difference between an ACE and a BCE?

BCE is a separate credentialing program



A Board Certified Entomologist is generally an entomologist with a degree in entomology or closely allied field



BCE is designed around mastery of academic concepts of entomology, as opposed to practical, applied pest control skills (ACE)

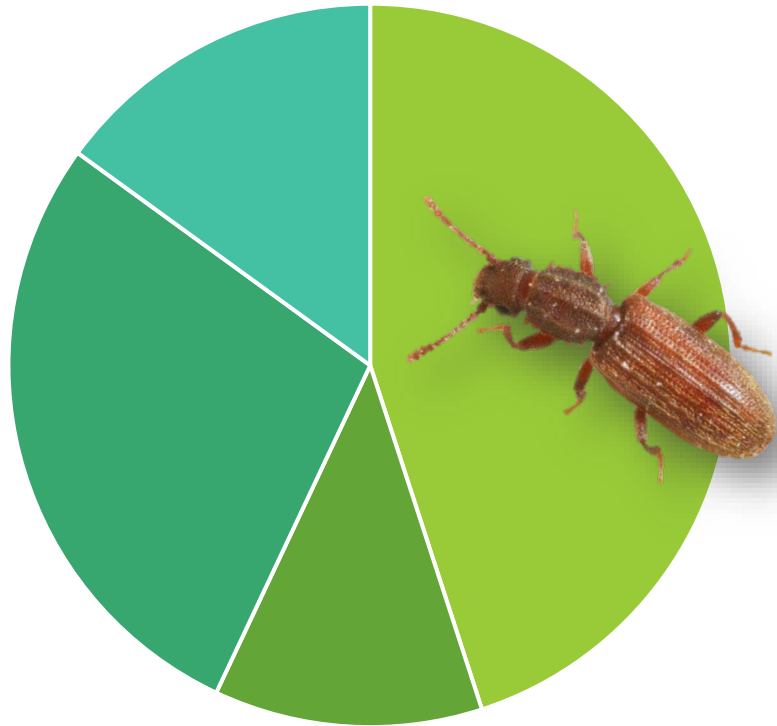


Testing and recertification requirements more stringent



Researchers, teachers, product developers, Extension specialists, regulators, and some pest management professionals carry BCE credentials

Domains and skills covered by ACE exam



- Inspection and ID
- Monitoring
- Control methods
- Reporting and evaluating

Inspection and Identification (45%)

- Inspection skills
- Pest ID and biology

Monitoring (12%)

- Monitoring tools and technology
- Documentation and recordkeeping

Selection and Implementation of Control Methods (28%)

- Familiarity with pesticide and non-pesticide technologies
- Legal requirements and labeling

Evaluation (15%)

- Evaluating effectiveness of program
- Interpreting and Communicating findings



Pest ID and biology

Preparing for the exam

Print out a copy of the ACE Exam Content Outline
<http://www.entocert.org/new-ace-exam-content-outline>

Get the NPMA Field Guide to Structural Pests and ACE Study Guide

Check out additional recommended study materials (see link below)

Take the practice exam

Take a prep class!



ACE Content Outline

Updated July, 2013 • Effective, January 1, 2014
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INSPECTION AND IDENTIFICATION (45% of Exam Content)

Inspect for evidence of pests

Knowledge needed to accomplish the skill:

- Tools available for inspection and appropriate uses (e.g., flashlight, moisture meter, flushing agents)
- Probable locations of pests
- Types of evidence of pest presence (e.g., damage caused, egg types, frass)
- Safety precautions (e.g., equipment, personnel)

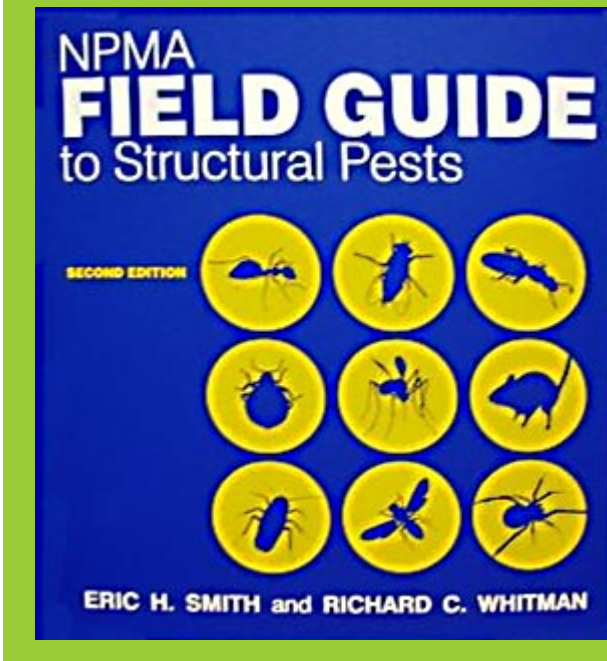
Inspect for conditions conducive to pests

Knowledge needed to accomplish the skill:

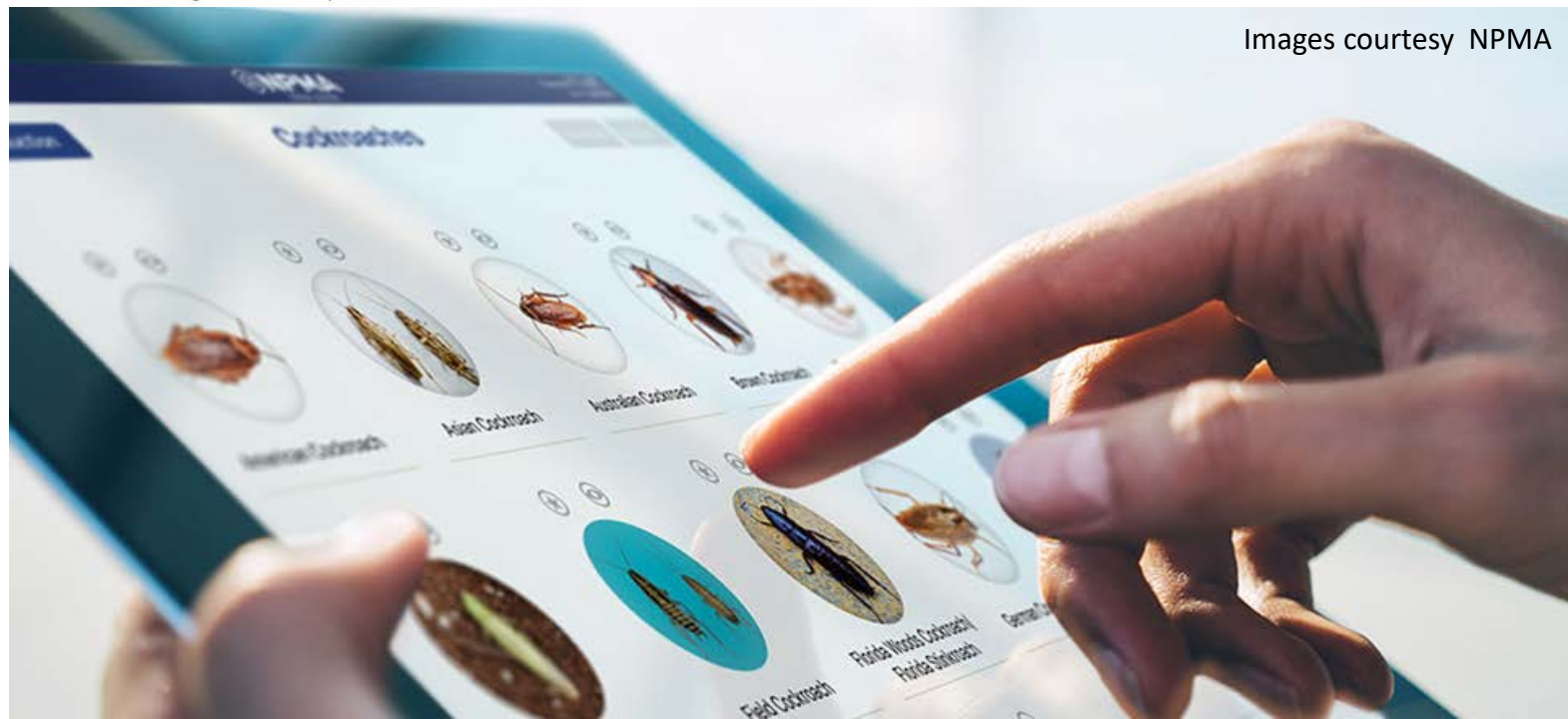
- Tools available for inspection and appropriate uses (e.g., flashlight, moisture meter, flushing agents)
- Conditions conducive to pests (e.g., site, weather, ambient conditions)
- Safety precautions (e.g., equipment, personnel)

Identify pests

Knowledge needed to accomplish the skill:



Images courtesy NPMA



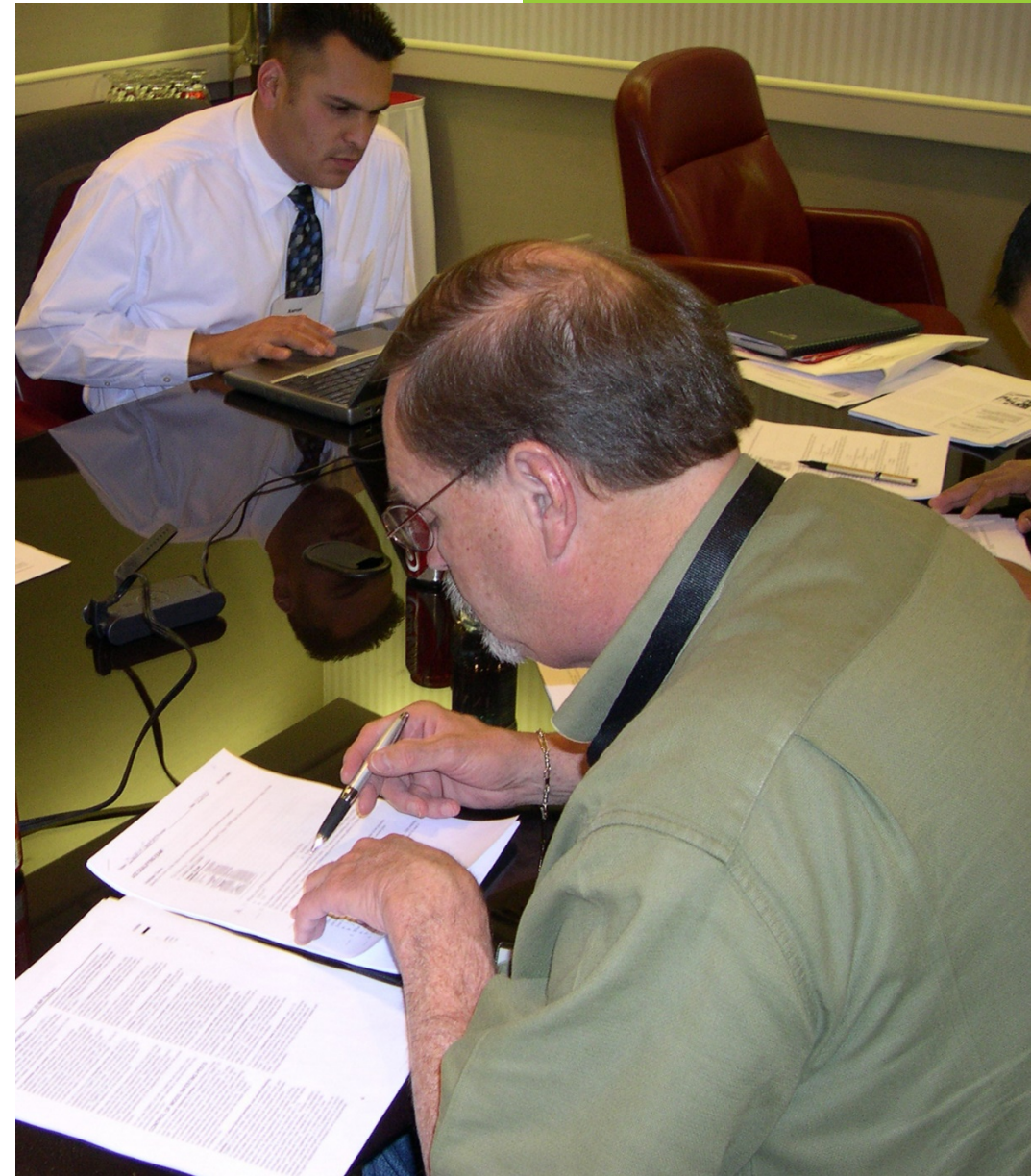
Studying for the exam

Start with the content outline

Spend 15 minutes a day

Form a study group


Start studying early (figure on at least 40 hours of study)



Sample exam questions

Pages 199-201

Questionmark Perception - Google Chrome
Questionmark Corporation [US] | <https://ondemand.questionmark.com/delivery/perception.php?customerid=398448>

 Online Examination

Nov 30 2017 | Logged in as : ACEQ

ACE - Pest Control SAMPLE EXAM

This is a sample exam for the ACE-Pest Control Qualifying Assessment. It is designed to give potential applicants (a) a "test drive" of the exam software, (b) a sense of the kinds of questions that might be found on the ACE-Pest Control exam, and (c) an idea of the difficulty range of the items on the exam. The actual ACE-Pest Control exam is longer and covers a broader array of subjects that includes 4 Knowledge Domains:

- Inspection and Identification
- Monitoring
- Selection and Implementation of Control Methods
- Evaluation

Please note that this exam is for sampling purposes only. Anyone who wishes to apply for ACE Certification should contact the ESA at ace@entsoc.org. Full details about the ACE program are online at www.entocert.org.

1 of 23
The Federal Insecticide, Fungicide and Rodenticide Act requires certain information to be printed on each pesticide label.

True
 False

2 of 23
Electrocution-type light traps are not allowed in food handling areas because of problems with ...

effect of UV light on some foods
 attracting flies to food handling areas
 hazards of UV light to workers
 contamination of food preparation areas

3 of 23
Which of the following statements is true regarding the Odorous House Ant - *Tapinoma sessile* (Say) - and the Ghost Ant - *Tapinoma melanocephalum* (Fabricius)?

They are similar in appearance; but the Ghost Ant is larger and overall darker in color.
 They are similar in appearance; but the Ghost Ant is smaller and has a lighter color to the abdomen.
 They are similar in appearance; but the Ghost Ant is smaller and has a lighter color to the thorax.
 They are different enough in appearance that there should be no confusion to even a layperson.

4 of 23
Insect repellents are required to carry an EPA-approved label, subject to the same requirements of an insecticide or herbicide label.

True





Electrocution-type light traps are not allowed in food handling areas because of problems with...

Effect of UV light on
some foods

Attracting flies to food
handling areas

Hazards of UV light to
workers

Contamination of food
preparation areas



Which of the following statements is true regarding the odorous house ant (*Tapinoma sessile*)(Say) – and the ghost ant – (*Tapinoma melanocephalum*) (Fabricius)?

They are similar in appearance, but the ghost ant is larger and overall color darker

They are similar in appearance, but the ghost ant is smaller and has a lighter color abdomen

They are similar in appearance, but the ghost ant is smaller and has a lighter thorax

They are different enough in appearance that there should be no confusion, even to a layperson

You may retake the exam without reapplying to the program after 1 month (but don't wait more than one year if you don't want to reapply).

You have a three-year time period in which the exam may be re-taken multiple times without reapplying

There is a re-testing fee (currently \$75, or \$50 for ESA members)

What if I
don't pass
on my first
try?

If I don't pass, how will I know what to do to improve my chances on 2nd try?

Your will receive your exam results immediately

Results include scores summarized by domain, showing what parts of the test you did and did not score well on

Additional analysis available upon request from the ESA Certification Program Manager



UNLESS OTHERWISE INDICATED,
PHOTOS BY MIKE MERCHANT

Questions

