

**Why you may need a
licensed
Pest Control Advisor
(PCA)**



David Pattison
PCA
CaCCA



Today



- Who
- Why
- Where
- When

CAUTION

**THIS SIGN HAS
SHARP EDGES**

DO NOT TOUCH THE EDGES OF THIS SIGN



ALSO, THE BRIDGE IS OUT AHEAD





Department of Pesticide Regulation

*_____ mission is to protect human health
and the environment
by regulating pesticide sales and use,
and by fostering reduced-risk
pest management.*



www.cdpr.ca.gov

www.cdpr.ca.gov

Pesticide

info

WHAT YOU SHOULD KNOW ABOUT PESTICIDES



**Regulating pesticides:
Who, why and how?**

By law, before a pesticide can be used in California, it must be evaluated, registered and pass inspection by the U.S. Environmental Protection Agency and the California's EPA's Department of Pesticide Regulation.



Registration

- Subject to 120 to 142 separate tests
- 10 years for EPA approval – maybe
- Costs 35-50 million
- Now up to 187 million

Registration



On average, only one in 20,000 chemicals make it from the chemist's laboratory to the farmer's field.

Teen People Magazine

- “In 1989 millions of cases of imported fruit were banned after a small amount of cyanide was found in just two grapes.
- There are 33 times more cyanide in a single cigarette than was found in those two grapes.
- “dose-makes-the-poison”
- www.TheTruth.com

Department of Agriculture, Weights and Measures

- Mission:

Enhance and promote the preservation of agriculture and the environment while maintaining the health and safety of all citizens.

Assure equity in the marketplace through the fair and equal enforcement of laws and regulations.



*Land Use & Environment Group
Agriculture/Weights & Measures*



Licensing

- Maintenance Gardener
- Pest Control Business
- Pest Control Dealer
- Pesticide Broker

Licensing



- APCA
- QAC
- QAL
- Dealer
- Designated Agent
- PAC
- Pilots

COUNTY OF SAN DIEGO - DEPARTMENT OF AGRICULTURE, WEIGHTS MEASURES

5555 Overland Avenue, Bldg 3

San Diego, CA 92123-1292

Phone : (858) 694-2748

Fax : (858) 694-3845

OPERATOR/SITE I.D. RECORD

Contact : JAVIER LEON
375 LA COSTA AVE
ENCINITAS CA 92024

Address : ANDERSON GREENHOUSES
375 LA COSTA AVE
ENCINITAS CA 92024

Operator I.D. # 37 / 04 / 37PB089

Inspector # : 68

Expiration Date: 12/31/2004

Issue Date : 11/1/2003

Home : 7607534336

Shop : 7607534336

Fax

Mobile :

**** OPERATOR IDENTIFICATION NUMBER ****

** FOR NON RESTRICTED PESTICIDES ONLY **

PLACE 2002 RENEWAL STICKER HERE

PLACE 2003 RENEWAL STICKER HERE

PLACE 2004 RENEWAL STICKER HERE

PLACE 2005 RENEWAL STICKER HERE

PLACE 2006 RENEWAL STICKER HERE

PLACE 2007 RENEWAL STICKER HERE

The Contact Person must be: the operator of the property, or their authorized representative; responsible for pest control operations; and must sign below.

Operator : X

Signature : X

Title : X

Date : X

Issuing Officer : KATHLEEN A. THUNER,
AGRICULTURAL COMMISSIONER


Date : 08-Apr-04

Operator / Site I.D. Record

- I.D. #
 - On every invoice
 - Site match product
- Expiration Date
- Signatures
- Sites – on page 2

Private Certified Applicator PAC

- Restricted materials permit
- Train employees
- Issued by
the County Commissioners



California Department of
Pesticide Regulation
Pesticide Enforcement Branch

dpr

STATE OF CALIFORNIA

PRIVATE APPLICATOR CERTIFICATE

CERTIFICATE NUMBER VALID THROUGH

PA-37-B0277	DEC.31,04
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NAME: DAVID PATTISON

ADDRESS: 11350 LILAC VISTA DR
VALLEY CENTER CA 92082



Qualified Applicator Certificate

QAC

You use or supervise

- Restricted pesticides

- Federal
- State

- Business of landscape maintenance and performs pest control

- Must have a Landscape Maintenance Pest Control Category on license
- Maintenance Gardener Pest Control Business License



QAC

Pass examinations

Laws, Regulations, and Basic Principles

- And at least one category
 - A. Residential, Industrial, and Institutional
 - L. Wood Preservative
 - N. Sewer Line Root Control
 - M. Antifouling Tributyltin
 - B. Landscape Maintenance
 - C. Right-of-Way
 - L. Wood Preservative
 - D. Plant Agriculture
 - E. Forest
 - F. Aquatic
 - G. Regulatory
 - H. Seed Treatment
 - L. Animal Agriculture
 - J. Demonstration and Research
 - K Health Related

QAC



- At least 20 hours CE every 2 years
- Minimum of 4 hr CE in Laws and Regs
- With only the Landscape Maintenance Pest Control Category and have a Maintenance Gardener Pest Control Business License - need only:
 - 8 CE hours (2 hr Laws & Regs)

QAC



- Application fee \$40
- Examination fee \$50
- 2-year renewal **\$60**
- Late renewal penalty \$30

Qualified Applicator License QAL

- Supervises pesticide applications for a licensed Pest Control Business
- Supervise the use of restricted use pesticides



QAL

Pass examinations

Laws, Regulations, and Basic Principles

- And at least one category
 - A. Residential, Industrial, and Institutional
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QAL

- Application fee \$ 80
- Examination fee \$ 50
- 2-year renewal \$ 120
- Late renewal penalty \$ 60



Agricultural **P**est **C**ontrol **A**dviser **PCA**

- Possess a B.A. or B.S. degree in:
 - An agricultural science
 - A biological science or
 - Pest management
 - Core course requirements of 45 units

PCA



■ Pass examinations

- Laws and Regulations
- Basic Principles
- Integrated Pest Management
- And at least one category
 - A. Insects, Mites and Other Invertebrates
 - B. Plant Pathogens
 - C. Nematodes
 - D. Vertebrate Pests
 - E. Weed Control
 - F. Defoliation
 - G. Plant Growth Regulators

PCA

- At least 40 hours of CE every 2 years
 - A minimum of 4 hours must include pesticides and pest control laws and regulations
 - Register with county agricultural commissioner in “home” county and each county where recommendations are made

PCA

- Retain a copy of written recommendation for 1 year
- Provide property operator a copy
- Provide copy to dealer and applicator prior to application
- Ground Water Protection Training before writing Ground Water Protection Advisories

PCA

- Application fee \$ 80
- Examination fee \$ 50
- 2-year renewal **\$140**
- Late renewal penalty \$ 70

PCA License?

- Offers a recommendation on an 'Agricultural Use'
- Holds Self as Authority on Ag Use
- Solicits Services or Sales for an Ag Use

FAC 11410-11

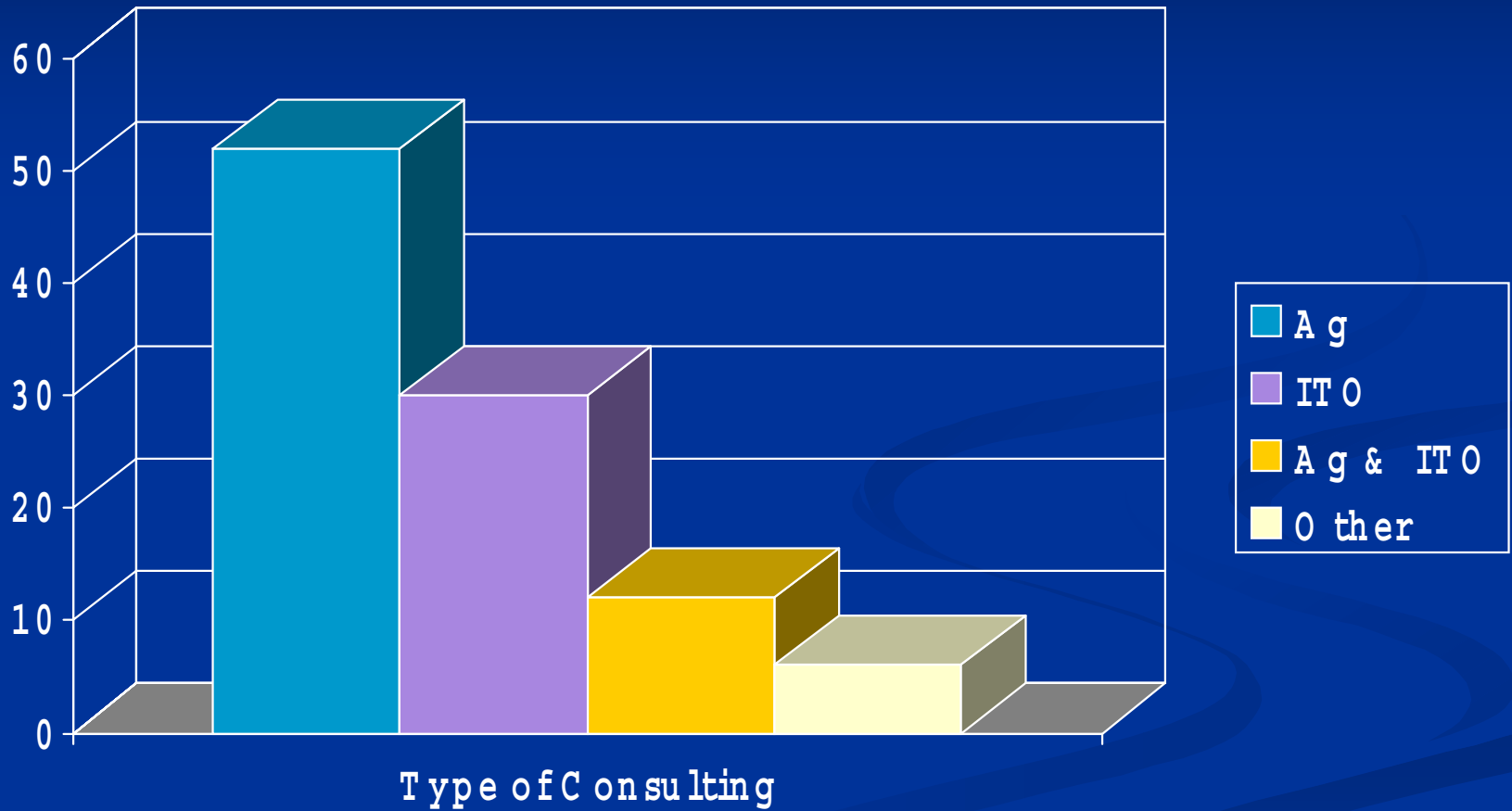


PCA specialties are diverse

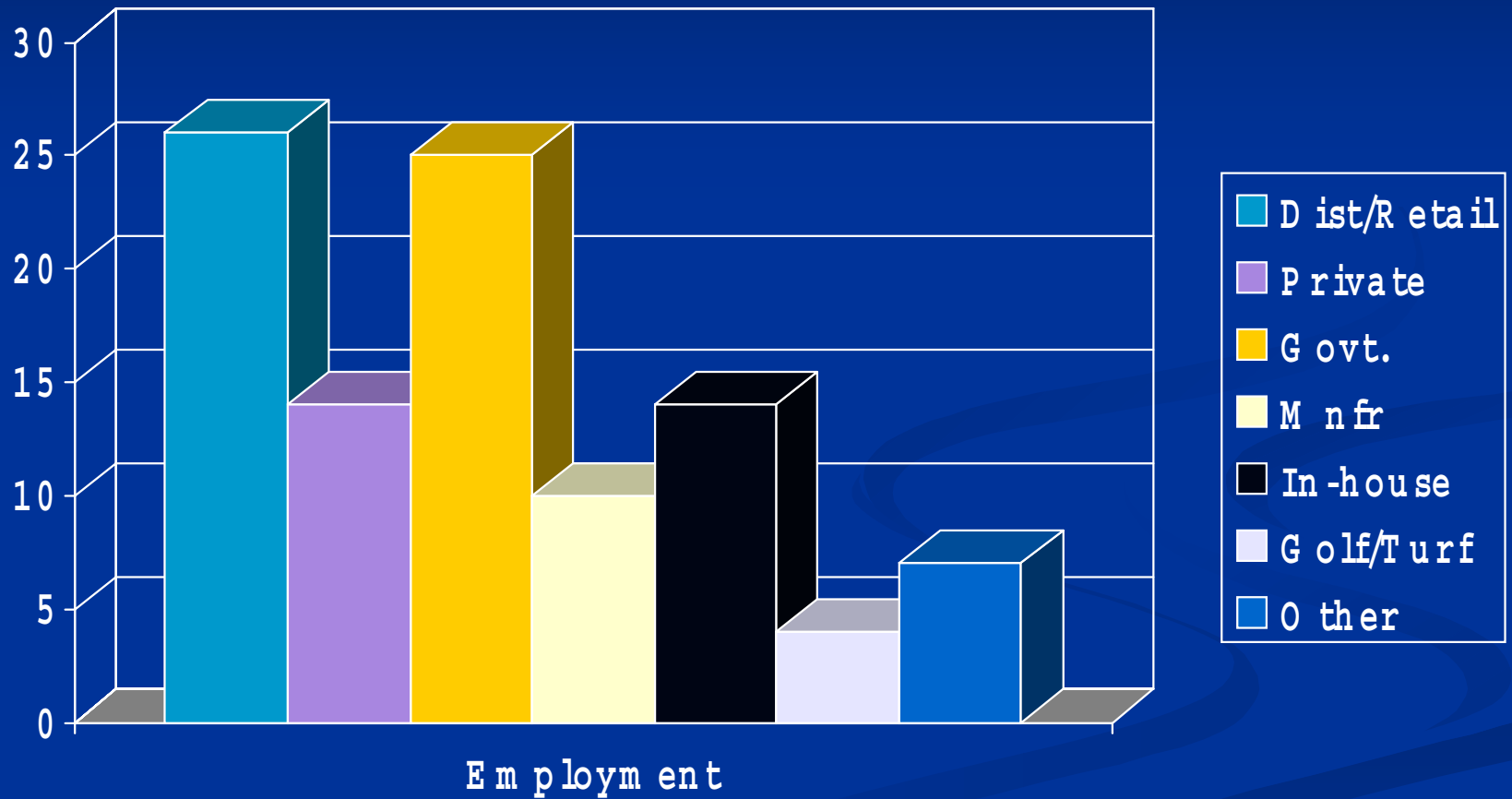
- Highway vegetation
- Weed congestion in public waterways
- Assist in pest-free greenhouses, golf courses, turf and landscape
- Ensure the growth of
 - Healthy and abundant food, fiber and ornamentals
 - from over 9.9 million acres of California farm and public lands.



PCA Demographics



PCA Demographics



Western Farm Service, Inc.

1-800-223-4749 / 760-522-8349

Pest Control Recommendation

1. Operator of the Property SD County Regional Airport Authority		2. Operator ID No. 37/04/37 N6210		3. Recommendation Expiration Date: 12/31/2004	
Address: PO Box 82776			City: San Diego		Zip: 92138
4. Location to be Treated: San Diego Airport area		5. County: San Diego		6. Commodity to be treated: Open areas - fences	
7. Acres or Units to be Treated: 40		8. Method of Application: ground		9. Pest(s) to be Controlled: Weeds	
10. Name of Pesticide(s): Roundup Pro EPA Reg 524-475			Rate per Acre or Unit:	Dilution Rate: 1.5 - 2 gallons	Volume / Unit: 100 gallons

11. Hazards and / or Restrictions:

- 1. Highly toxic to bees
- 2. Toxic to birds, fish, and wildlife
- 3. Do not apply during irrigation or when run-off is likely to occur
- 4. Do not apply near desirable plants
- 5. Do not allow to drift onto humans, animals, desirable plants of property
- 6. Keep out of lakes, streams and ponds
- 7. Birds feeding on treated area may be killed
- 8. Do not apply when foliage is wet (dew, rain, etc.)
- 9. May cause allergic reaction to some people
- 10. This product is corrosive and reacts with certain materials (see label)
- 11. Closed system required
- 12. Restricted use pesticide (California and / or Federal)
- 13. Hazardous area involved (see map and warnings)
- 14. Other (see attachment)

12. Schedule, Time or Conditions

Do not apply when raining - during heavy fog - or when heavy winds are expected. Avoid drift! Do not apply directly to water, or when surface water is present.

13. Surrounding Crop Hazards

Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops, desirable plants and tress.

14. Proximity of Occupied Dwellings, People, Pets, or Livestock

Please keep people and pets off treated areas until solution has dried.

15. Non-Pesticide Pest Control, Warnings and Other Remarks

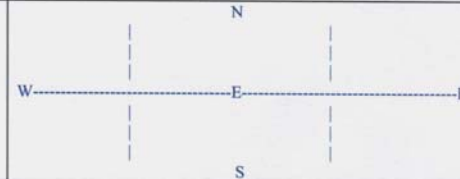
Agriculturally-approved colorants or marking dyes may be added to help track application.

16. Criteria used for determining needs for pest control treatment:

- Sweep net counts
- Field observation
- History
- Leaf or fruit counts
- Pheromone or other trap
- Other
- Preventive
- Soil sampling

17. Crop and site restrictions:

- 1. Worker re-entry interval 4 hours
- 2. Do not use within _____ days of harvest
- 3. Posting required No Yes -No of Days
- 4. Do not irrigate for at least _____ days after application
- 5. Do not apply more than 10.6 Quarts per acre per year
- 6. Do not feed treated foliage or straw to livestock
- 7. Plant-back restrictions (see label)
- 8. Other (see attached)



18. I certify that I have considered alternatives and mitigation measures that would substantially lessen any significant impact on the environment and have adopted those found feasible.

Signed:

David Pattison

Date: August 12, 2004

David Pattison, License No. AA06379
1015 Linda Vista Drive, San Marcos, CA 92069



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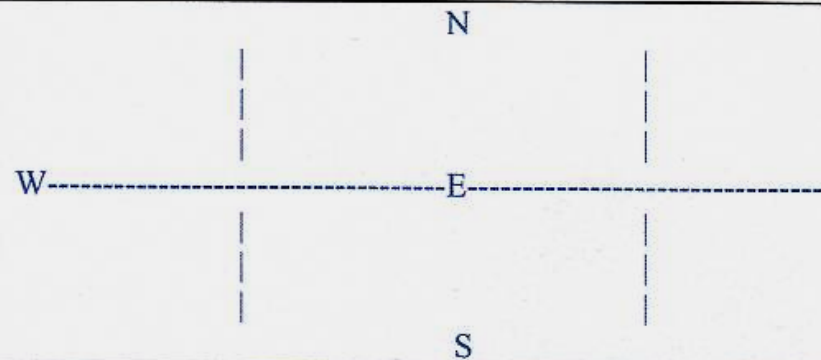
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- | | | |
|---|--|--|
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| <input checked="" type="checkbox"/> Field observation | <input type="checkbox"/> Pheromone or other trap | <input type="checkbox"/> Soil sampling |
| <input type="checkbox"/> History | <input type="checkbox"/> Other | |



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Thank You!