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.
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
On average, only one in 20,000 chemicals make it from the chemist’s laboratory to the farmer’s field.
“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.
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 92152-1282
Phone: (858) 564-2748
Fax: (858) 564-3845

OPERATOR/SITE I.D. RECORD

Operator I.D. # 37 / 04 / 37F008
Inspector # 68
Expiration Date 12/31/2004
Issue Date 1/1/2003
Home 7607534336
Shop 7607534336
Fax Mobile

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: N
Title: N
Signature: N
Date: N

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
Qualified Applicator Certificate

**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
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
    - L. Wood Preservative
    - M. Antifouling Tributyltin
    - N. Sewer Line Root Control
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- 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)
QAL

- Application fee $ 80
- Examination fee $ 50
- 2-year renewal $ 120
- Late renewal penalty $ 60
Agricultural Pest Control Adviser (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
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

Type of Consulting

- Ag
- ITO
- Ag & ITO
- Other
PCA Demographics

![Bar chart showing employment distribution across different sectors.](image)
# Pest Control Recommendation

1. Operator of the Property: SD County Regional Airport Authority
2. Operator ID No.: 370437
3. Recommendation Expiration Date: 12/31/2004

<table>
<thead>
<tr>
<th>4. Location to be Treated:</th>
<th>5. County: San Diego</th>
<th>6. Commodity to be treated: Open areas - fences</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego Airport area</td>
<td></td>
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<tr>
<th>7. Acres or Units to be Treated:</th>
<th>8. Method of Application: ground</th>
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<tr>
<td>40</td>
<td></td>
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<tr>
<th>10. Name of Pesticide(s):</th>
<th>Rate per Acre or Unit:</th>
<th>Dilution Rate:</th>
<th>Volume / Unit:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roundup Pro EPA Reg 524-475</td>
<td>1.5 – 2 gallons</td>
<td></td>
<td>100 gallons</td>
</tr>
</tbody>
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11. Hazards and/or Restrictions:
- [ ] Highly toxic to bees
- [ ] Toxic to birds, fish, and wildlife
- [x] Do not apply during irrigation or when run-off is likely to occur
- [ ] Do not apply near desirable plants
- [ ] Do not allow to drift onto humans, animals, desirable plants of property
- [ ] Keep out of lakes, streams and ponds
- [ ] Birds feeding on treated area may be killed
- [ ] Do not apply when foliage is wet (dew, rain, etc.)
- [ ] May cause allergic reaction to some people
- [ ] This product is corrosive and reacts with certain materials (see label)
- [ ] Closed system required
- [ ] Restricted use pesticide (California and/or Federal)
- [ ] Hazardous area involved (see map and warnings)
- [ ] 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 trees.

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
- [ ] Soil sampling
- [ ] Other

17. Crop and site restrictions:
- [ ] Worker re-entry interval: 4 hours
- [x] Do not use within days of harvest
- [ ] Posting required: Yes - No of Days
- [ ] Do not irrigate for at least days after application
- [ ] Do not apply more than 10.6 Quarts per acre per year
- [ ] Do not feed treated foliage or straw to livestock
- [ ] Plant-back restrictions (see label)
- [ ] Other (see attachment)

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: [Signature]
Date: August 12, 2004
David Patterson, License No. A006379
1015 Linda Vista Drive, San Marcos, CA 92069
## Pest Control Recommendation

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<td>37/04/37 N6210</td>
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<tr>
<td>Address:</td>
<td>City:</td>
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☐ 14. Other (see attachment)

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

☐ Sweep net counts
☐ Leaf or fruit counts
☒ Preventive
☐ Field observation
☐ Pheromone or other trap
☐ Soil sampling
☐ History
☐ Other
17. Crop and site restrictions:
- 1. Worker re-entry interval 4 hours
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Thank You!