

CA Pesticide Product Registration Process



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CA Dept. of Pesticide Regulation
(DPR)

Environmental Monitoring Branch



About DPR

- DPR formed in 1991 from CDFA
 - Product Registration & Compliance
 - Worker/User Health & Safety
 - Medical Toxicology
 - Professional User Licensing & Training
 - Use Enforcement (DPR & CAC)
 - Environmental Monitoring (Air, GW, SW)
- 100% funded by pesticide mil assessment



Pesticide Use in CA

- ~12,000 pesticide products currently registered
- ~1,000 active ingredients (a.i.)
- 190 million lbs. used in 2006
- Example of use categories:
 - Agricultural (crop/livestock)
 - Home & Garden
 - Institutional
 - Industrial
 - Rights of Way
 - Landscape Maintenance
 - Structural Pest Control



CA AFP Pesticide Products

- ~180 AFP products currently registered (< 2%)
- More than 90% utilizes copper-based biocides
 - Copper oxide, copper hydroxide, copper thiocyanate
- Booster biocides are often co-formulated
 - Zinc pyrithione (a.k.a. omadine)
 - Irgarol 1051
 - Sea-Nine (DCOI)
- New AFP active ingredients being considered
 - Econeal

Pesticide products must first be registered federally with U.S. EPA



and then ...

in California by DPR



Product Registration - Federal

- Authority ⌚ FIFRA
- Regulations & requirements ⌚ CFR 40
- R&D by perspective manufacturing use product registrant
- Company design, fund, conduct studies to support registration requirements
- Company obtains federal registration & EPA Reg. number for tracking
- Once approved, federal label cannot be altered by states... unless EPA approves “states only label



CA Registration

- Authority 🕒 FAC
- Regulations & Requirements 🕒 CCR Title 3
- Perspective registrants submits application, fee (\$750) & data
- Registration specialists determine if complete or can return submission
- DPR scientists evaluate data – then must post the proposed decision to register or deny (30-day public comment period)
- If product makes it pass this stage & becomes registered, sales & use in CA can take place



Scientific Evaluation

- Scientific evaluation of data is conducted by chemists, toxicologists, biologists, entomologists, ecotoxicologists, microbiologists, plant physiologists, as appropriate



Data Required for Registration

- Acute toxicology (6 types of studies)
- Product chemistry
- Residue chemistry (if food or feed)
- Worker safety
- Efficacy
- Phytotoxicity (if applicable)
- Fish & wildlife or ecotoxicity (if applicable)



Additional Data Requirements

For a new a.i. to California:

- The following are also needed....
 - Chronic toxicology
 - Environmental fate
 - Groundwater contamination potential
 - Emergency medical treatment & response



Time Frame

- Depends 🕒 2 registration processes involved
- EPA take ~1 ½ to 2 years to review & approve
- DPR adds ~1 to 2 years – also depends on pesticide types (e.g., AFPs)
- Pesticidal devices need to be registered w/ EPA
- If AFP products are not determined to be a pesticide, then these processes can be bypassed completely, but.... Be careful....need to verify w/ EPA Region IX & DPR Registration Branch



Concurrent Registration

- For new a.i.'s & a small sub-group of pesticides, DPR can concurrently evaluate along w/ EPA
- New a.i.'s are also evaluated concurrently by various DPR evaluation scientists
- But still cannot register before EPA
- Shortens overall timeframe for product approval from conception through retail sales & use

Once registration is granted & a final product label is approved.....



The Label is the Law



Label is Determined by Data

- Signal words ⌚ Danger-Warning-Caution
- Precautionary statements
- Use sites
- Crops
- Use rates & method of application
- Environmental precautions



After a Product is Registered, it is Subject to:

- Annual renewal with fee
- Quarterly mill assessment payment on sale of the product
- Use enforcement
- Environmental monitoring
- Possible data call-ins, reevaluation, risk assessments (e.g., pyrethroids, AFPs)



Types of Registrations

- Regular (Section 3) Registration - most common
- Experimental Use Permit
- Special Local Need or Emergency Use Exemption
- Research Authorization - for small areas
- Label amendments - for any of the above



For Assistance w/ DPR Registration Process

Contact DPR Registration ombudsperson:

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Questions?

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