

Wholesale Nursery Practices that Minimize Environmental Impact

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Environmental Evaluation Review

Areas that may be affected by runoff irrigation

- I. Neighboring fields and crops
- II. Protected wildlife zones
- III. Streambeds, creeks and rivers
- IV. Residential neighborhoods

Possible contaminants in nursery runoff

- I. Nutriments including fertilizers and minerals
- II. Pesticides
- III. Silt and other secondary pollutants

Regulatory Agencies

- I. State Fish and Game Departments
- II. Environmental Protection Agency
- III. Regional Water Quality Boards
- IV. City, County and all other governing agencies

Physical Improvements to Reduce Irrigation Runoff

- A. Engineering and design to minimize runoff**
- B. Proper irrigation design and installation**
- C. Recycling systems**
- D. Silt collection facilities**
- E. Bio-filtering zones**

Cultural Improvements and Best Management Practices

A. Irrigation management

- I. Timing and volume of irrigation cycles
- II. Crop usage
- III. Testing of runoff irrigation

B. Pesticide Management

- I. Selection of products with minimal environmental impact
- II. Timing of applications
- III. Post-application irrigation and rainfall
- IV. Ongoing review of efficiency and movement of pesticides