

California:
“Minor” Crops Are Major Business

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#1 Agricultural Economy in the U.S.

- **Governor Schwarzenegger's international focus**
- **Concerned about global warming, other environmental problems**
- **His environmental focus has attracted a *large* following...**

... a LARGE following...



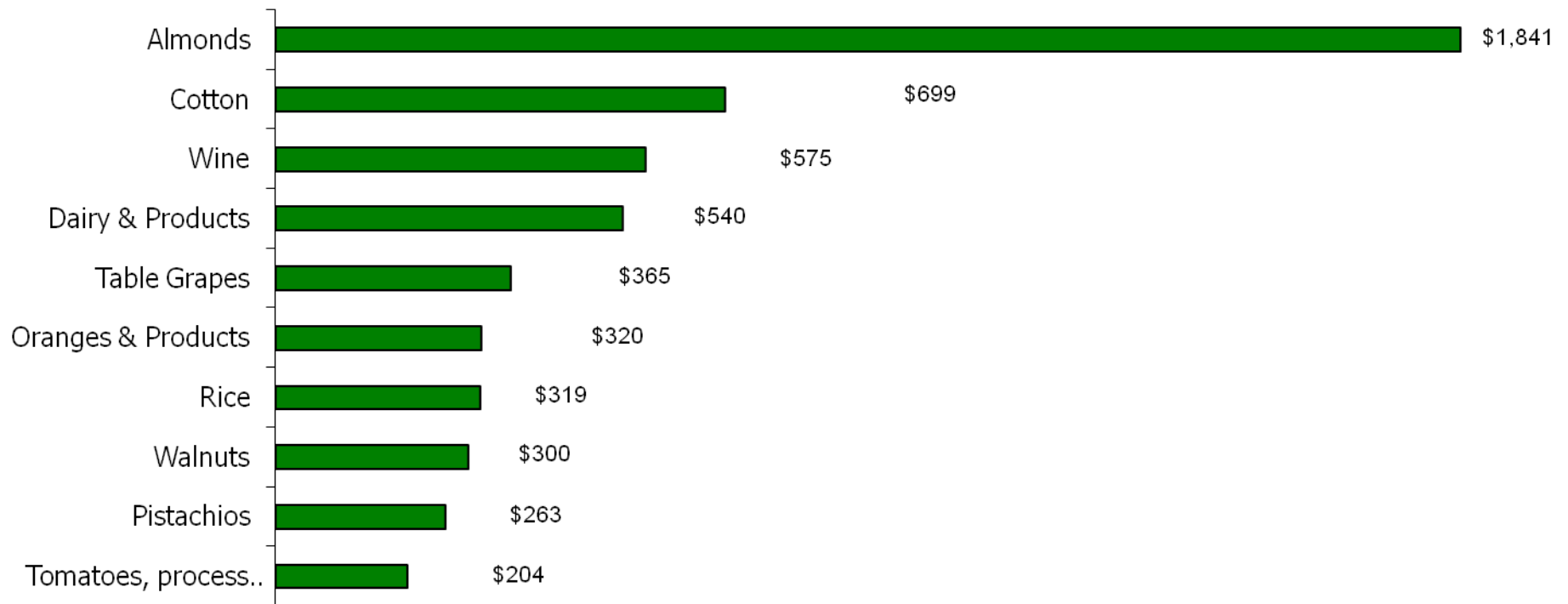
California: “Specialty” Crop State

- **Nothing “minor” about these crops**
- **About half of U.S. production**
- **400 commodities, mostly dairy, fruit, flowers, vegetables and nuts**
- **Bulk of California’s \$350 billion agriculture-related economy**

Top 10 Commodity Exports

TOP TEN CALIFORNIA COMMODITY EXPORTS 2005

Millions of Dollars

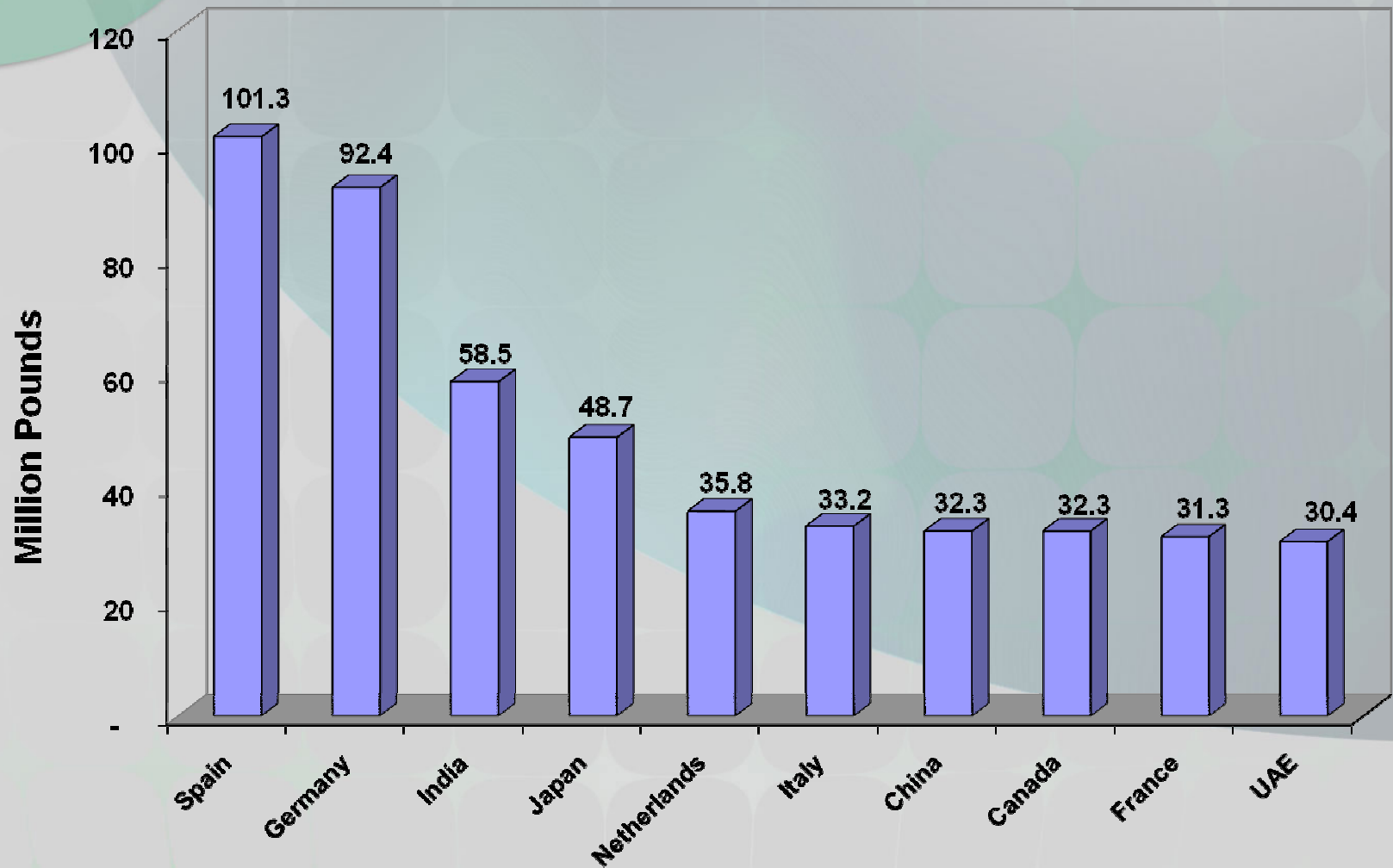


California Almonds in a Nutshell

- **100% of U.S. production**
 - 65% goes to export
- **80% of worldwide production**
- **California's #1 ag export**



Top 10 Almond Export Markets



Source: Almond Board of California, Fiscal Year 06/07

Workload Sharing with U.S. EPA

- **In past decade, stronger efforts by DPR & U.S. EPA to collaborate and cooperate**
 - **Exchanging information and data reviews**
 - **Maximizing scarce resources and emphasizing areas of focus and expertise**

Three Aspects to Workshare Tolerance

- ✓ Tolerance review for minor crops
- ✓ Joint data review
- ✓ Concurrent review

Workshare: “Minor” Crop Tolerances

- **Three partners: DPR, IR-4, & U.S. EPA**
- **Cooperative effort for about eight years**
- **Results: Speeded EPA registration on about 50 California commodities worth \$9.2+ billion**

Workshare: Minor Crop Tolerances

- **DPR work helps U.S. EPA set tolerances and cuts time needed for registrations**
 - DPR doing residue chemistry reviews for selected IR-4 petitions
 - We are continuing IR-4 work, now doing dietary risk evaluations, too

Workshare: Joint Data Review

- U.S. EPA looking for ways to collaborate, bring reduced-risk products to market
- We've done two joint data reviews, look for future opportunities
 - Example: Reviewed “dads” (diallyl sulfides), a natural extract, as alternative to fumigating thousands of acres of garlic white rot
 - DPR now funding garlic industry field trials

Special Registrations for Specialty Crops

- Limited pest management options
- Chemical industry economics, “minor” crops
 - Reluctance to invest in a “one-state” crop
- The solution: Section 18s (FIFRA)

In case of emergency....Section 18

- **Exotic pest outbreak**
- **Other unexpected situations**
- **Threat of major crop, economic losses**
- **Temporary use of pesticide not registered for crop**

How Section 18 Works

- **Commodity groups FIRST confer with trade partner, if export crop**
- **DPR then evaluates commodity group request**
 - **Must fit criteria for Section 18 under FIFRA**
 - **DPR, EPA must agree to exemption**

Major Regulatory Trends and Issues

✓ Air

- Reducing pesticide emissions to fight smog

✓ Water

- Preventing runoff into waterways

✓ Enforcement

- Stronger compliance in the field

✓ Incentives

- Working with industry to promote safer pest management

Trends: Air Quality & Pesticides

- **A national precedent:**
 - **New California regulations effective Jan. 1, 2008**
- **Reducing pesticide emissions to fight smog**
 - **Cut VOC (volatile organic compounds) emissions 20%**
 - **Focus on agricultural fumigants...major pesticide in specialty crops**
 - **Working with industry to minimize disruption**

Trends: Two Challenges for Water Quality

- **Challenge #1...Prevent farm runoff**
 - **Using buffer zones with grass, native vegetation**
 - **Using “soft” chemicals during the winter rainy season**

Clean Water Issue #2...Pyrethroids

- **Another unprecedented regulatory effort, first in U.S.**
- **Farm AND urban stream runoff...aquatic harm confirmed**
 - **Would prefer to keep this “softer” chemical available ... must identify source of problem**
 - **Data call-in from registrants ... more than 500 farm, urban products**

Protecting Our Integrity

- **Ensure consumer confidence in food safety**
- **Provide fair competition for law-abiding farmers**
 - **Law-breakers hurt everyone's reputation**
 - **DPR “zero tolerance” policy for misuse that hurts people or environment**

“Softer” Side of Compliance

- **Seek more cooperation, less conflict**
- **Work with industry on least-toxic methods**
- **DPR Alliance Grants Program**
 - **Strong support from Gov. Schwarzenegger to promote IPM, help our agricultural economy AND improve environment**

The California Look of Success



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