



GROWER NEEDS FOR CROP PRODUCTION AND SHIPMENT

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GENERAL BARRIERS TO PRODUCTION AND SHIPMENT OF MINOR USE CROPS

- **Lack of Effective Control Tools for Pests, Diseases and Weeds**
- **Lack of Acceptance of National or International Standards (Codex) in Major Markets**
- **Lower Priority by Registrants for the New Pesticides Registrations on Minor Crops**
- **Retailer Restrictions on Pesticide Residues and Use**

LACK OF EFFECTIVE CONTROL TOOLS

- **Lower Sales Potential Results in Fewer New Active Ingredients Registered**
- **Geographic Differences in Registration Requirements and Good Agricultural Practices**
- **Fewer Tools in the Tool Box Leads to Faster Development of Resistance**

REGISTRATION PRIORITIES BY REGISTRANTS

- **Large Acreage Crops have Higher Sales Potential**
- **Regulatory Requirements for Minor Crops are Nearly the Same as for Major Crops**
- **Consideration of Export Markets is not always a Primary Consideration before Registration**
- **Worldwide Registrations are only Now under Consideration**

HARMONIZED PESTICIDE RESIDUE STANDARDS NEEDED

- **Codex is Now a Timely Option for Setting Tolerances International Standards**
- **Registrants and Regulators are now looking at Simultaneous Registrations**
- **Advances by OECD and Codex are Very Promising**

RETAILER RESTRICTIONS

- **European Origins**
- **Retailer Consolidations Worldwide**
- **Lawyers and Marketers are Setting Pesticide Standards for Retailer Purchasing**
- **The Green Movement is Expanding**

CALIFORNIA CITRUS, AN EXAMPLE OF A MINOR CROP

- **Grown for more than 30 Export Markets**
- **Maximum Residue Limits (Tolerances) are not Harmonized**
- **The MRL Data Base Highlights These Differences**
- **For the Five Leading Export Markets Residue Standards Vary Widely**
- **Tool Choices to Maximize Pest Control May not Allow Effective Marketing**
- **Rejections Based on MRL Violations are Very Costly**

FUTURE NEEDS

- **Harmonization of MRL's for all Markets**
- **Greater Access to New Tools for All Crops Including the Use of Crop Groups**