



United States QPS Use of Methyl Bromide

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Outline

- Plant Protection and Quarantine Mission
- 2012 PPQ QPS Usage
- QPS Usage Trends
- International Perspective
- PPQ Research on Alternatives

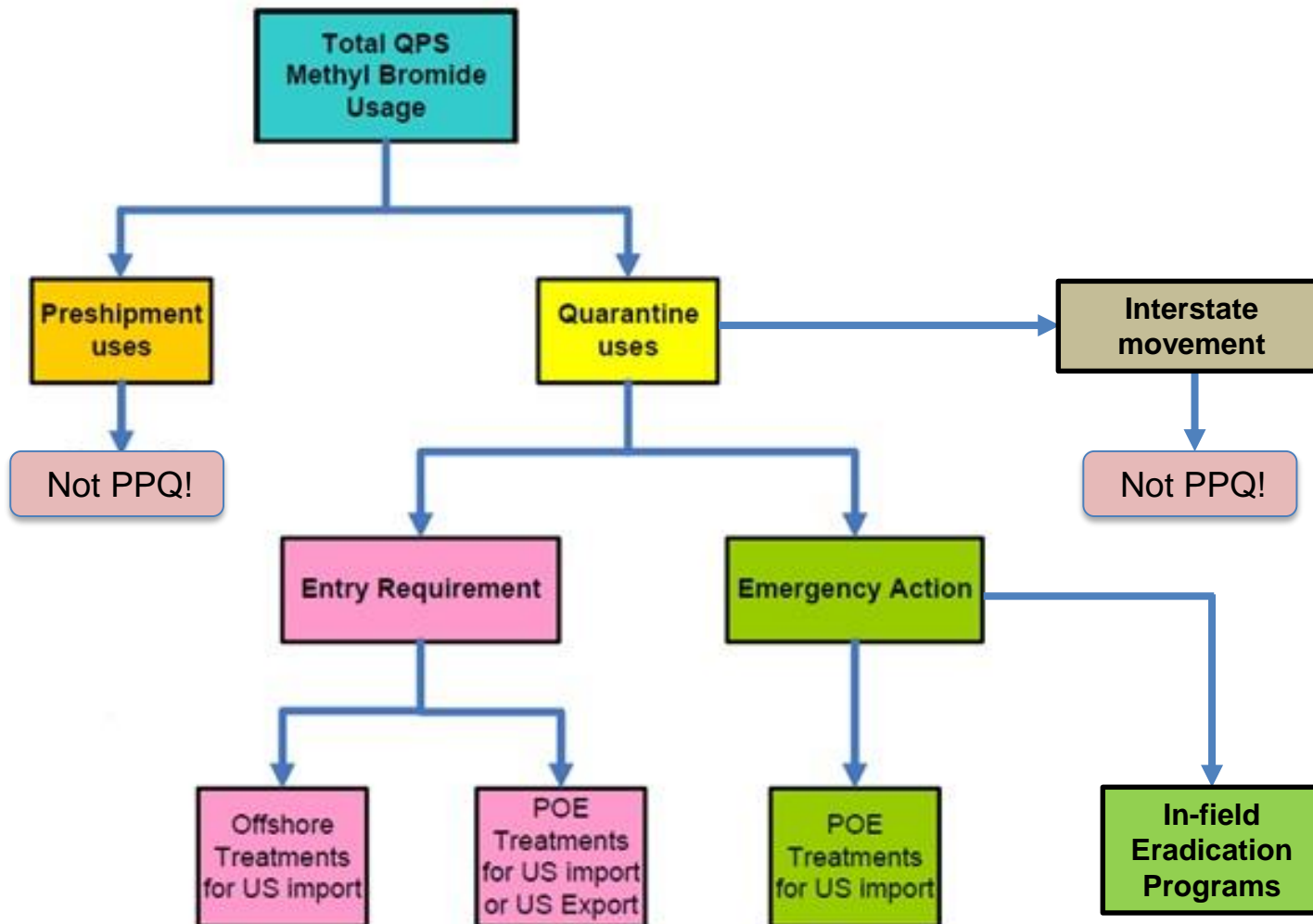


Plant Protection and Quarantine Mission and Authority

Plant Protection Act of 2000

- Protect the “agriculture, environment, and economy of the United States”
- Regulate the movement of any commodity capable of harboring invasive plant pests and noxious weeds
- Facilitate import, export, and interstate commerce of agricultural products and other commodities that pose a risk of harboring these plant pests and weeds

Quarantine and Preshipment (QPS) Methyl Bromide Use in the U.S.

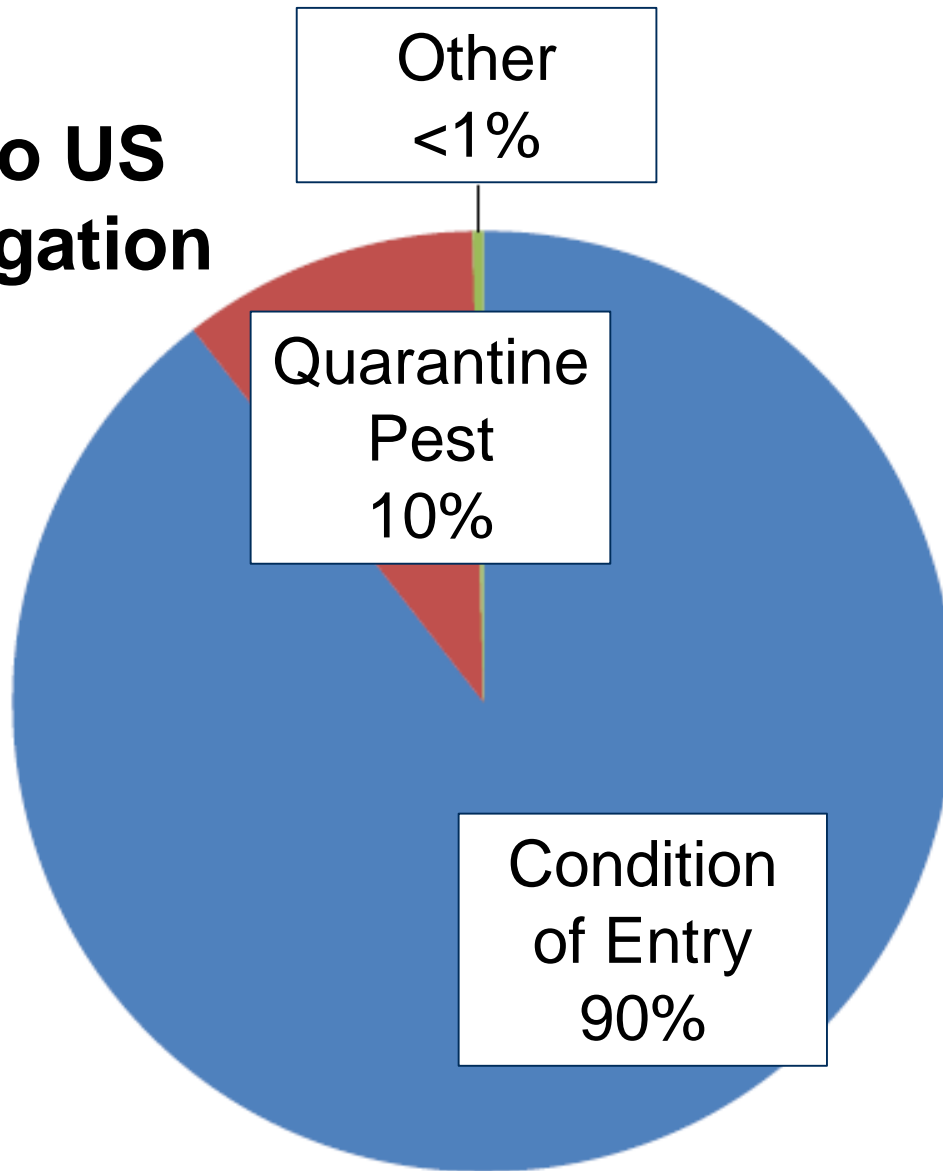


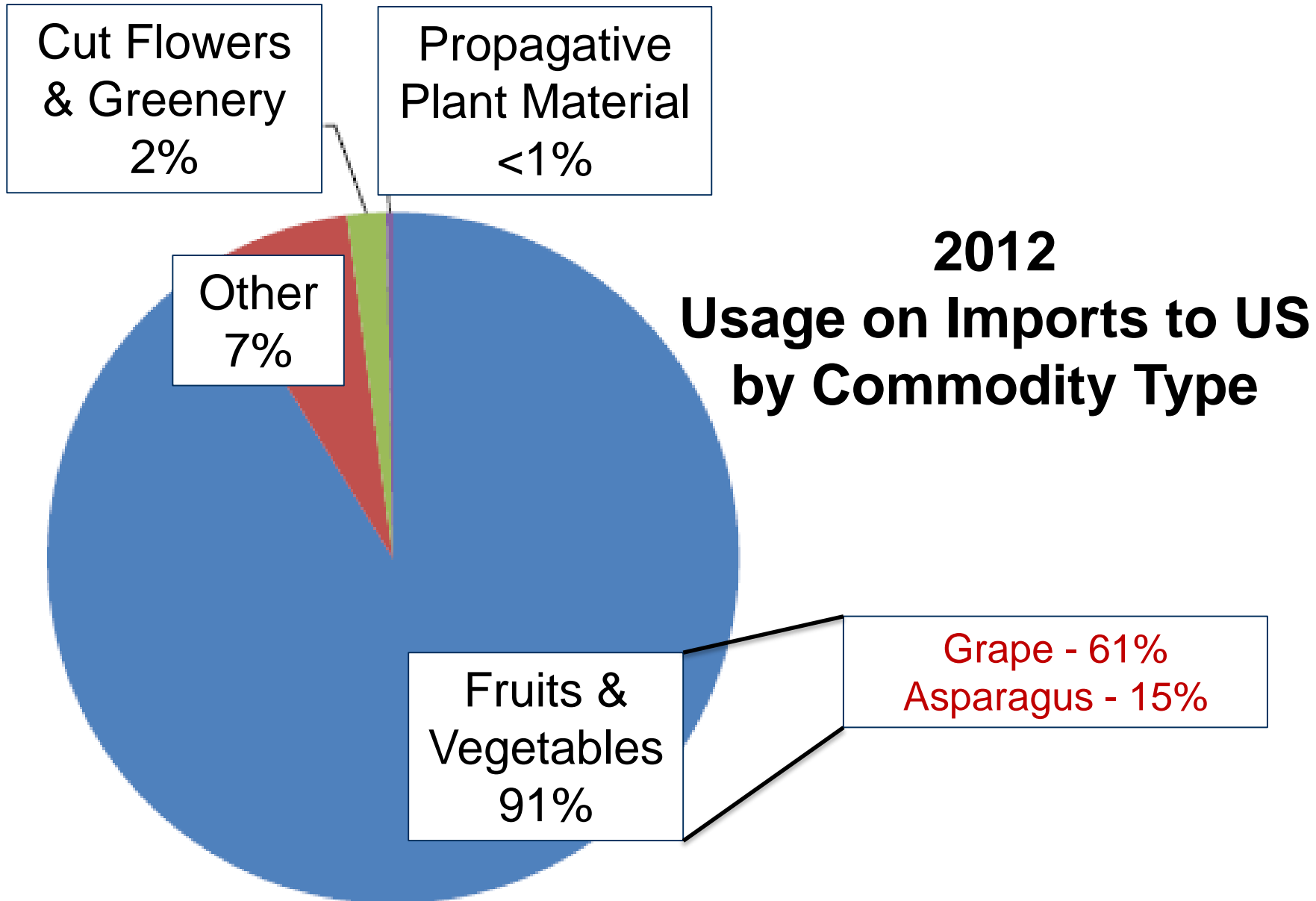


PPQ 2012 Methyl Bromide Use On Commodities

Category	Pounds	Percentage
All PPQ-monitored Fumigations	544,535	100%
Import Fumigations	461,410	85%
Export Fumigations	82,041	15%
'Other' Fumigations	1,082	<1%

2012 Usage on Imports to US by Reason for Fumigation





2012

PPQ-monitored Export Fumigations

**PPQ does not monitor
US export fumigations
except for...**

- Logs
- Majority are destined for Europe and China
- 82,041 pounds in 2012

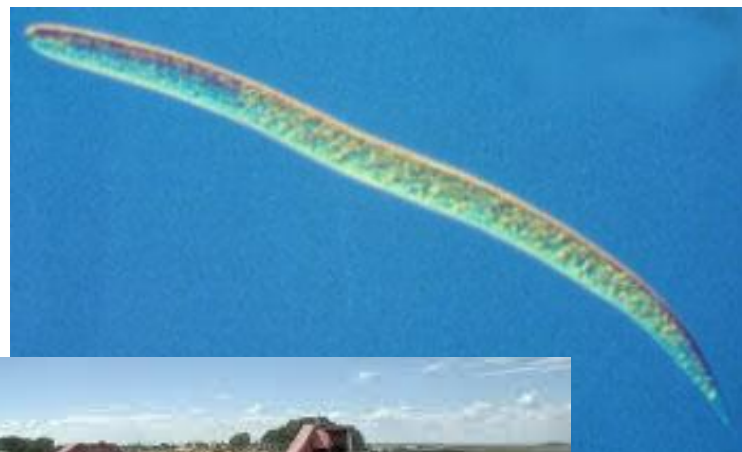


2012

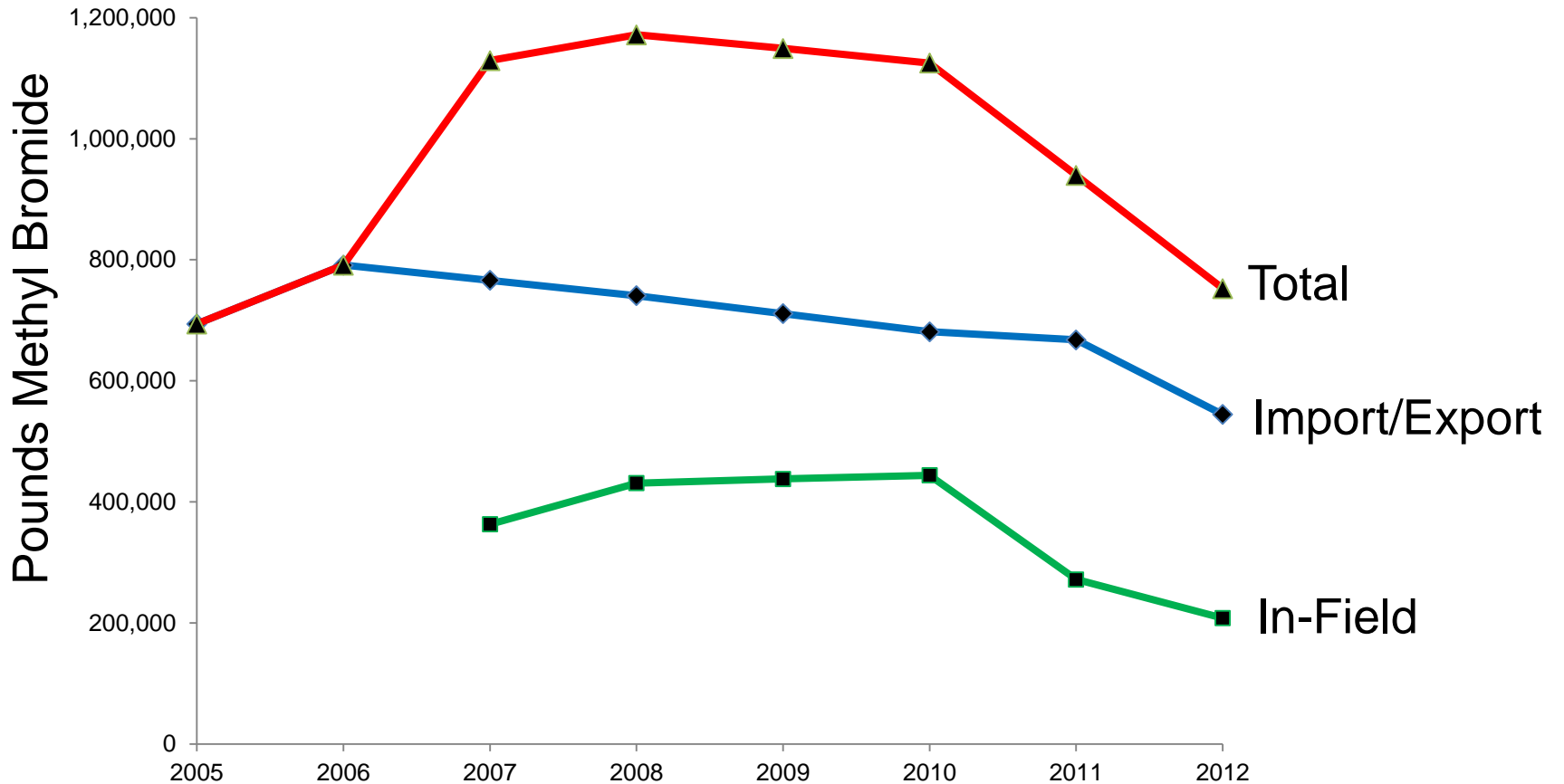
In-Field Eradication Fumigations

PPQ conducts in-field eradication of invasive species

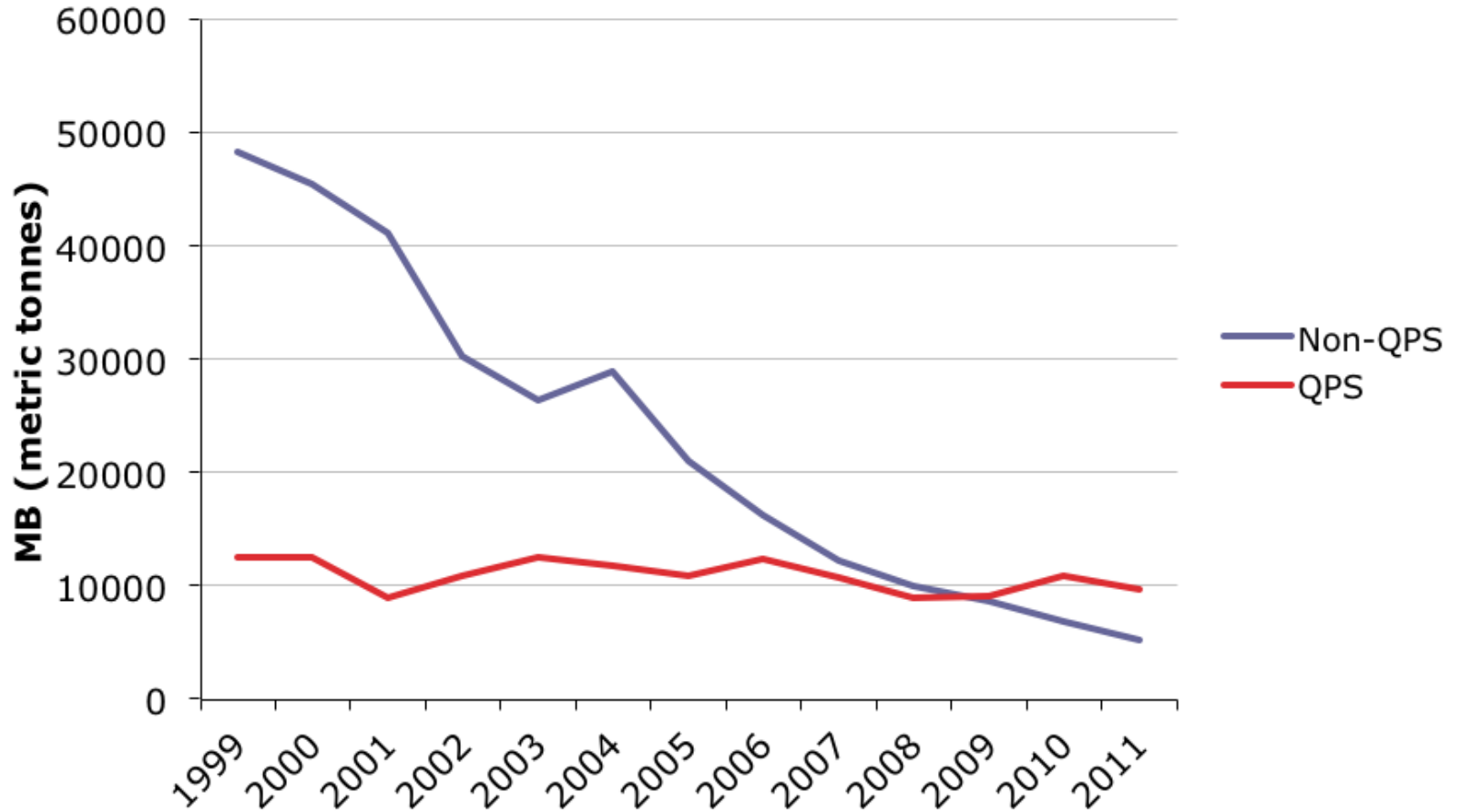
- Cyst nematodes
- ~208,000 pounds in 2012
- Switched from 98% methyl bromide to 80% with no decrease in efficacy



Annual Totals for All PPQ-monitored Fumigations (import, export, & in-field)



International Methyl Bromide Use



2012 US QPS Methyl Bromide Use

Source	Pounds
All sources	2,579,408
PPQ commodity	544,535
PPQ in-field	~208,000
Remaining	1,826,873

- ‘All sources’ is not truly use, but a surrogate
- ‘Remaining’ consists of non-PPQ export, preshipment, and interstate treatments

The Future of QPS Methyl Bromide

- The Montreal Protocol exempts methyl bromide from global phase-out when used for QPS purposes
- Other countries are questioning this exemption
- QPS discussions were limited this year
- Multiple parties and the Methyl Bromide Technical Options Committee will likely ask probing questions on QPS next year
- PPQ committed to maintaining the QPS exemption, while researching and implementing feasible alternatives

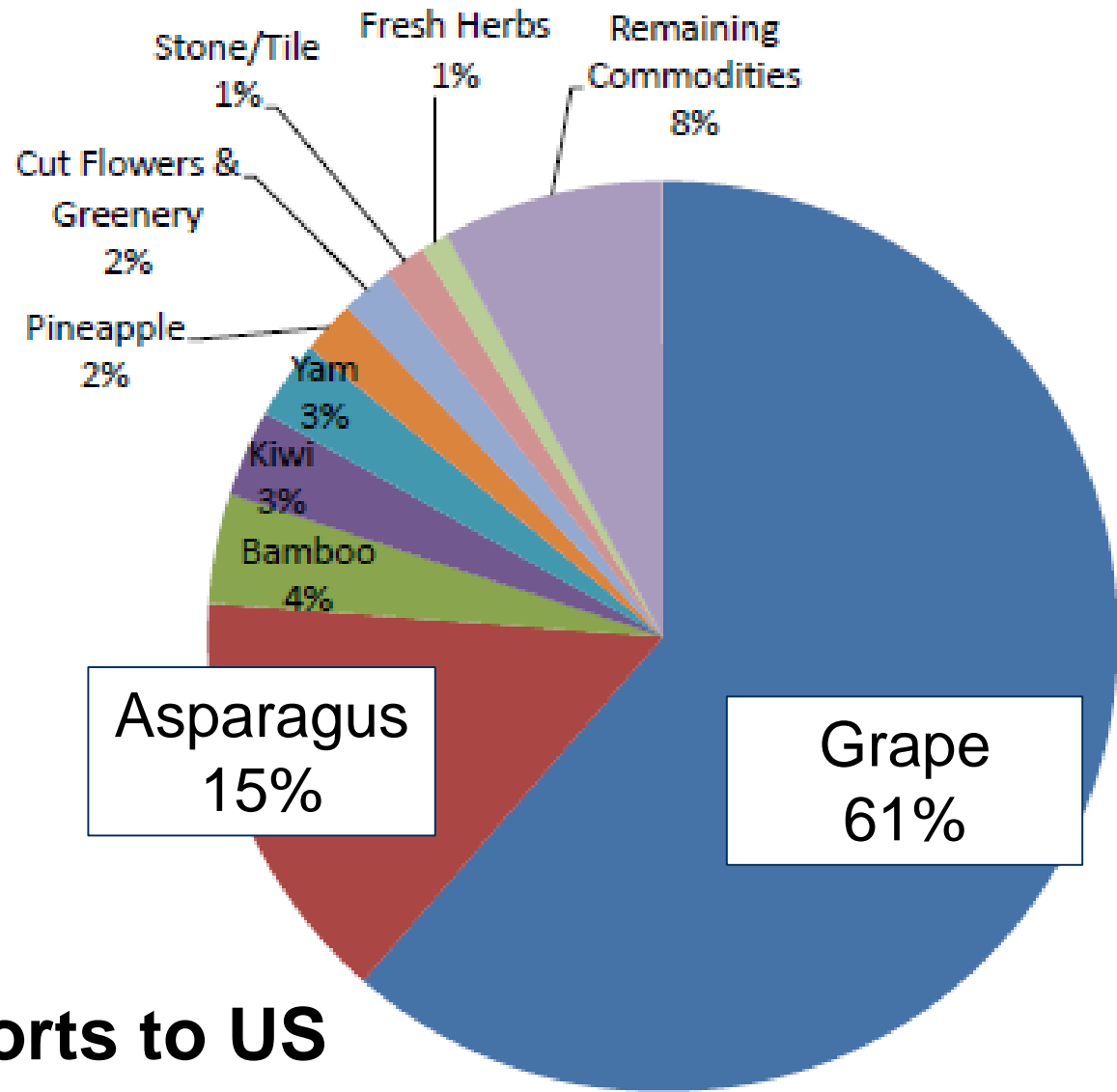


PPQ Methyl Bromide Alternatives Work

- Bilateral discussions with trading partners
- Alternatives research priorities
- Pest-specific research
- Tool-specific research
- Increased efficiencies when methyl bromide must be used



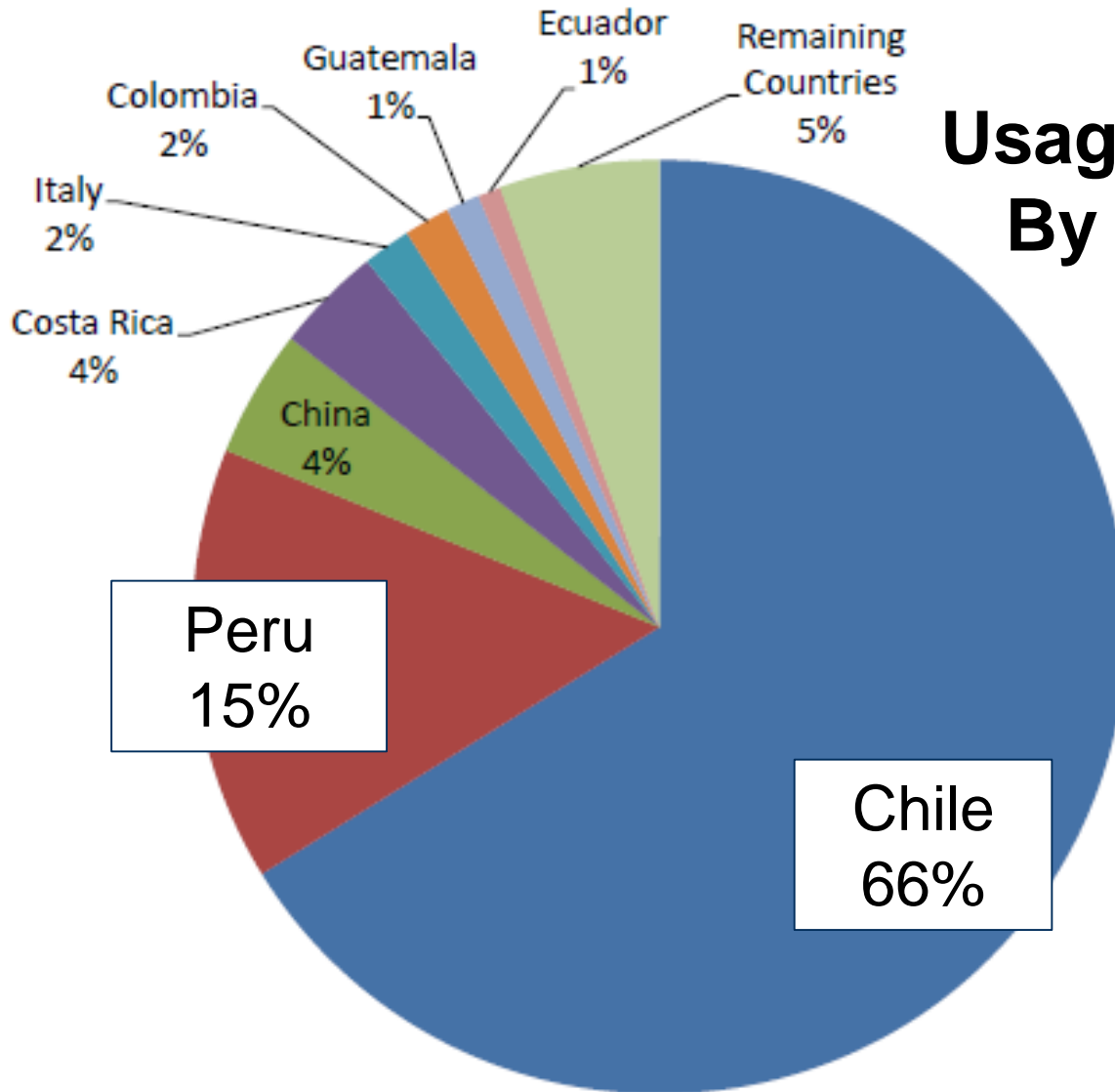
Questions?



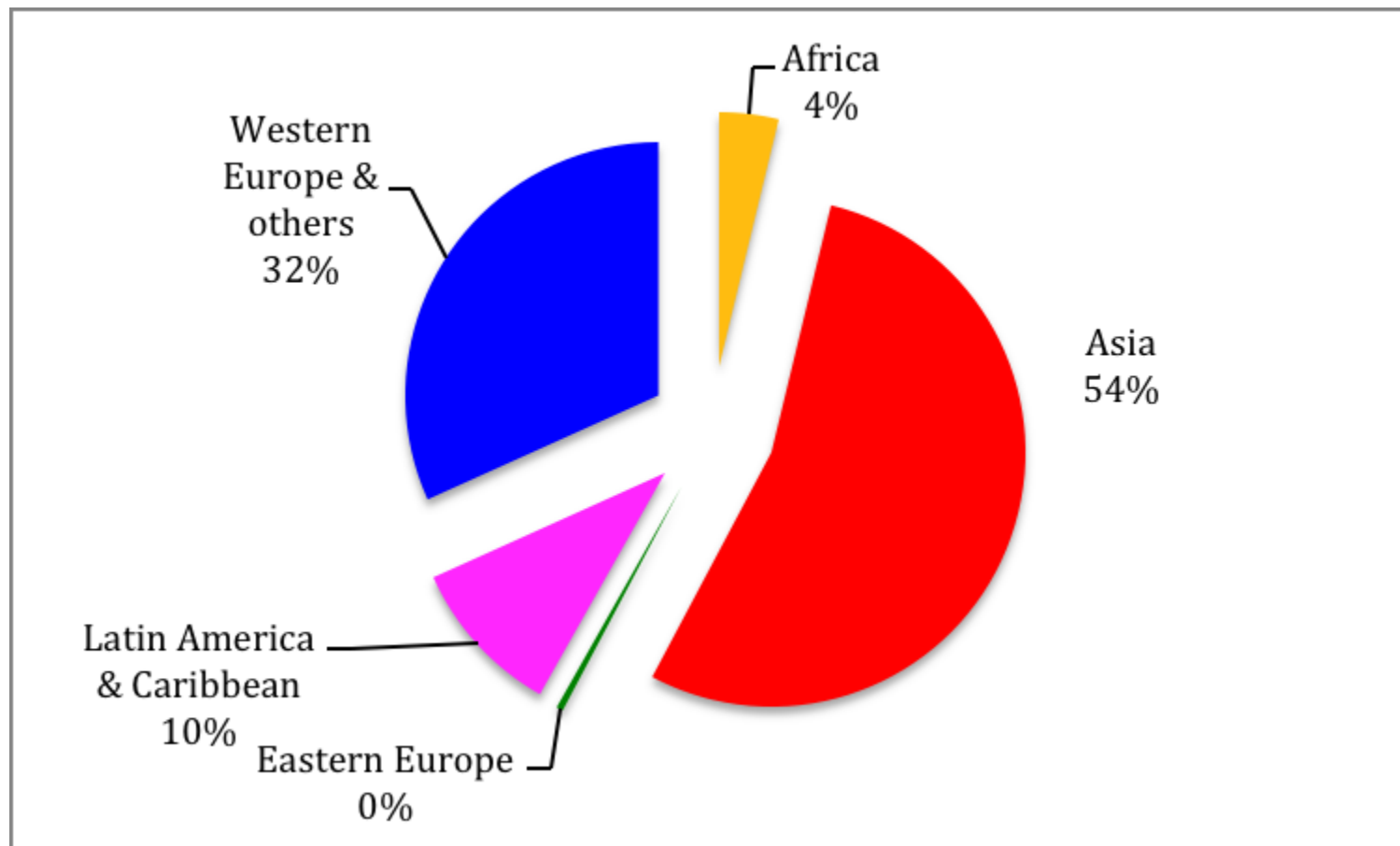
2012

**Usage on Imports to US
by Commodity**

2012 Usage on Imports to US By Country of Origin



Montreal Protocol Update



Regional consumption of MB for QPS uses in 2011



Annual Totals for Import & In-Field Fumigations

Year	Pounds- Import	Pounds- In-Field
2012	461,410	~208,000
2011	528,178	~272,000
2010	556,476	~444,000
2009	553,604	~438,000
2008	548,824	~431,000
2007	515,256	~363,000
2006	540,287	-
2005	470,653	-