• APHIS—pests and phytosanitary clearance
• FDA—pesticide residues & microbials
  • traceability
  • auto-detention
  • handler registration
  • shipment advance notice
  • country of origin
  • labeling
• Homeland Security—bioterrorism, food security
  • border inspections
  • customs
  • handler registration
  • shipment advance notice
Trends: RFID

- Location
- Traceability back to source
- Anti-Theft
- Unique codes for each product identity
- ‘Smart’ refrigerators tracking expir dates
Shelf Life Extension

- MAP
- Vacuum Pack
- Ozonation
- Ethylene Scrubbers
- Viral bio-phages
- 1-MCP (methyl-cycloprene)
- Anti-microbial spray (e.g., FreshSeal)
- High Pressure Processing
- LPE or lysophosphatidylethanolamine

Packaging Innovations

- Ventilated interlocking cartons
- RPC’s
- Microwaveable trays and bags
- Sleeves
- Deli-packs
- Recyclable corn-based polymers
- Polypropylene containers