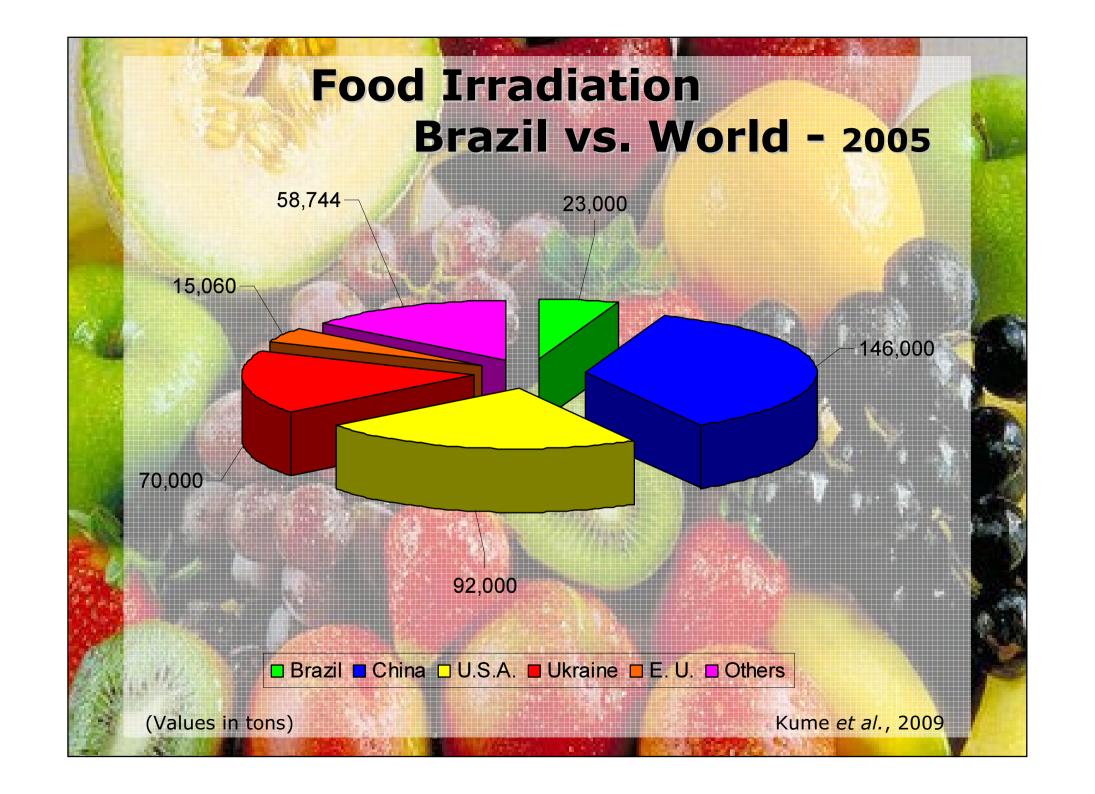




- Increasing international trade of foodstuffs
- Increasing regulatory requirements
- Concerning about food safety
- Healthy food x Safe food

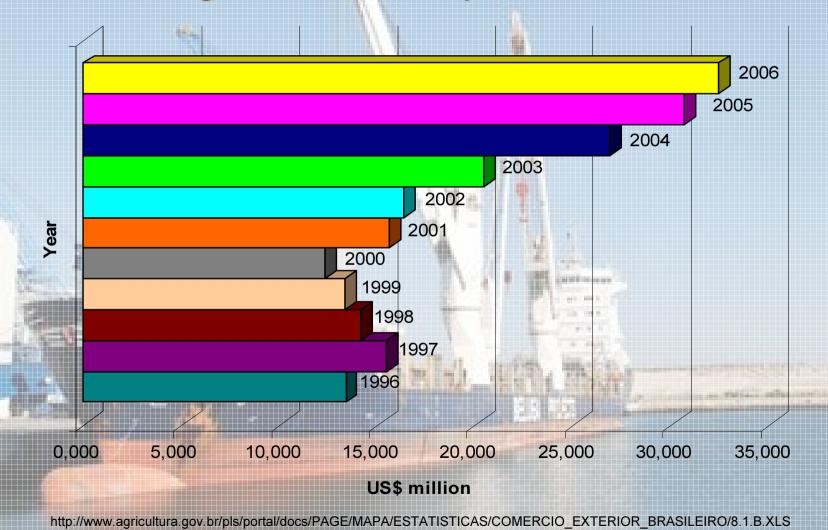
Current E-beam applications in Brazil

- Polymers modifications
- Radiotherapy
- Sterilization of medical devices
- Pharmaceutical sterilization
- Food Irradiation





Agricultural Exportations



Brazilian Legislation

Brazilian Resolution #21 (2001)

"...any food can be irradiated taking into account the minimum and maximum dosage applied, and the lowest dose should be sufficient to achieve the intended purpose and the maximum, less than that would jeopardize the functional properties and/or sensory attributes of food..."

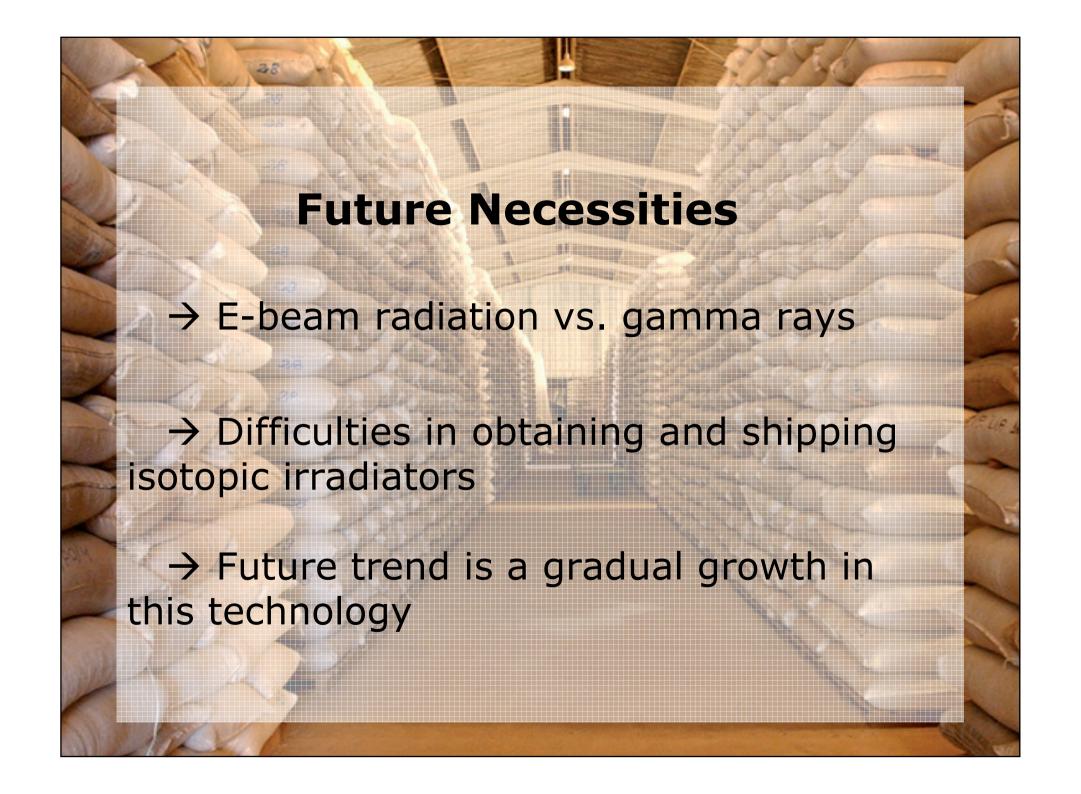
Irradiation Services

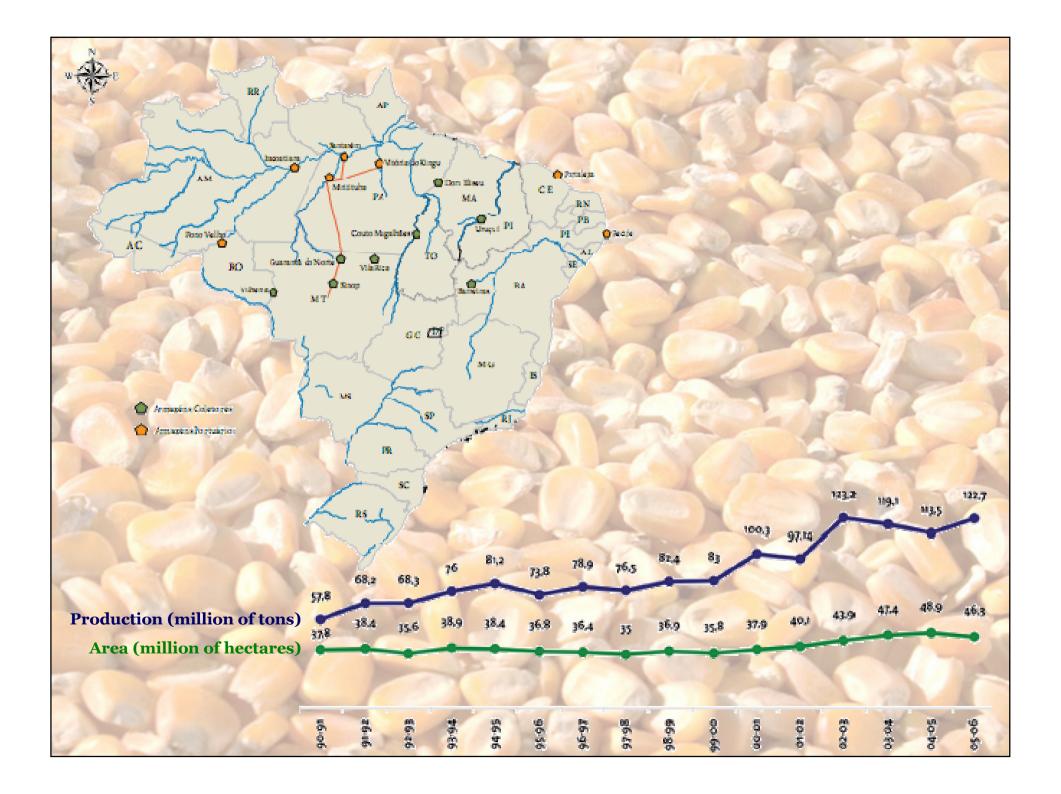
- → Ten gamma rays facilities
- → Six E-beam accelerators 02 IPEN (Research and Industry)

JOB-188 (1.5MeV, 25mA) / JOB-307 (1.5MeV, 65mA)

- 03 Polymers modifications (mainly)
- 01 Industry (Several applications)

Titan Beta 18/10 (18kW, 10MeV)





Acknowledgments

Thank John Brasi



Secretaria da Ciência, Tecnologia,

Desenvolvimento Econômio









