

THE RELIABILITY OF GAMMA PROCESSING FOR PHYTOSANITARY APPLICATIONS

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Irradiation using Cobalt-60 has been the choice for radiation sterilization and disinfection globally for more than 60 years for a very wide variety of products including single use medical disposable devices, consumer products, food packaging and many other food applications. The same trusted technology is today being applied to phytosanitary irradiation of produce for import to the United States and for export to other areas of the globe. This presentation will look at the physical application of the irradiation process on real products and show the simplicity and reliability of this process. The presentation will also touch on cobalt supply and total lifecycle management of this critical aspect of the gamma process and finally look at some special considerations in irradiator design for phytosanitary processing, including cold chain management, turn-around time and product handling.

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