

Commercial Activities on Food Irradiation

(As of May 2003)

Facilities with locations in *italic* are under construction or planned

(All facilities use Co-60 as radiation source except those indicated by * which are electron beam facilities or by ** which are X-ray facilities)

Country	Location (starting date for food irradiation)	Products
Argentina	Ezeiza, Buenos Aires (1970)	Spices, dehydrated vegetables
	Pacheco, Buenos Aires (1989)	Spices, dehydrated vegetables, dehydrated bovine serum, egg powder
Bangladesh	Chittagong (1993)	Potatoes, onions, dried fish
	<i>Savar</i> (2001)	Multipurpose
Belgium	Fleurus (1981)	Spices, dehydrated vegetables, deep frozen foods
Brazil	Sao Paulo (1985)	Spices, dehydrated vegetables
	Sao Paulo (1999)	Spices, Herbs, dried and fresh fruits
	Piracicaba (2000)	Fruits, vegetables, grain
	Manaus (2000)	Fruits, vegetables, beans, spices
	<i>Rio de Janeiro*</i> (2003)	Multipurpose
Canada	Laval (1989)	Spices
Chile	Santiago (1983)	Spices, dehydrated vegetables, onions, potatoes, poultry meat
China	Chengdu (1978)	Spices and vegetable seasonings, Chinese sausage, garlic.
	Shanghai (1986)	Apple, potatoes, onions, garlic, dehydrated vegetables
	Zhengzhou (1986)	Garlic, seasonings, sauces
	Nanjing (1987)	Tomatoes
	Jinan (1987)	Not specified
		Not specified

	Lanzhou (1988)	Not specified
	Beijing (1988)	Not specified
	Tienjin (1988)	Not specified
	Daqing (1988)	Not specified
	Jianou (1991)	Rice, garlic, spices
	Beijing (1995)	Not specified
	Dalian (1998)	Not specified
	Zhongshan (1999)	Not specified
	Inner Mongolia (1999)	Not specified
	Shuanglin (2000)	
Croatia	Zagreb (1985)	Spices, food ingredients, dried beef noodles
Czech Rep.	Prague (1993)	Spices, dry food ingredients
Cuba	Havana (1987)	Potatoes, onions, beans
Denmark	Riso* (1986)) Glostrup	Spices Spices, dried aromatic herbs
France	Lyon (1982) Paris (1986) Nice (1986) Vannes* (1987) Marseille (1989)	Spices Spices, vegetable seasonings Spices/herbs Poultry (frozen deboned chicken)> Spices, vegetable seasonings, dried fruit, frozen frog legs, shrimp, poultry (frozen deboned chicken)
Germany	Munich (1997)	Spices
Hungary	Budapest (1982)	Spices, onions, wine cork, enzyme
India	<i>Nashik Dt.***</i> Vashi, New Bombay	Onions, potatoes Spices
Indonesia	Pasar Jumat (1988)	Spices, rice

	Cibitung (1992)	Multipurpose
Iran	Tehran (1991)	Spices
	Yazd*(1997)	Dried fruits, nuts
Israel	Yavne (1986)	Spices, condiments, dry ingredients
Italy	Bergamo* (1996)	Spices
	<i>Padoa*</i>	Spices
Japan	Shihoro (1973)	Potatoes
Korea, Rep.	Seoul (1986)	Garlic powder, spices and condiments
Malaysia	Bangi (1997)	Spices, herbal and dried food ingredients
Mexico	Mexico City (1988)	Spices and dry food ingredients
	Mexico City (1998)	Spices and dry food ingredients
Netherlands	Ede (1981) Etten-Leur	Spices, frozen products, poultry, pulses, dried fruits, cereal flakes, herbs, shrimps, frog legs, gum Arabic, dehydrated vegetables, egg powder, packaging material
Norway	Kjeller (1982)	Spices
Poland	Wlochy* (1991)	Spices
Peru	Lima (1996)	Spices, food additives, animal feed
Spain	Madrid Tarancon (Cuenca)	Spices, dried aromatic herbs
South Africa	Durban (1989)	Spices
	Kempton Park (1982)	Spices
	Cape Town (1986)	Fruits, spices
Thailand	Patumthani (1989)	Onions, Fermented pork sausages, enzymes, spices
	Leam Chabang (1999)	Service irradiator for food and non-food products
	Leam Chabang* (1999)	Service irradiator for food and non-food products

	Bang Pakong (2000)	
United Kingdom	Swindon (1991)	Spices, herbs
USA	Rockaway, NJ (1984)	Spices
	Whippany, NJ (1984)	Spices
	Tustin, CA (1984)	Spices
	Ames, IA* (1993)	Spices, poultry
	Mulberry, FL (1992)	Spices, poultry, meat
	Schaumburg, IL	Spices
	Columbus, OH	Spices
	Morton Grove, IL	Spices, fruits
	Haw River, NC	Spices
	Salem, NJ	Tropical fruits
	Hilo, HI** (2000)	Meat, meat products
	Sioux City, Iowa* (2000)	Service food irradiation
	Chicago, IL* (2001)	Service food irradiation
	College Station, TX* (2001)	Service food irradiation
Los Angeles, CA* (2001)	Service food irradiation	
Fortworth, Texas (2003)	Service food irradiation	
Milford Township, Quakertown, PA*	Service food irradiation	
Viet Nam	Ho Chi Minh City (1999)	Spices, dried herbs
Yugoslavia	Belgrade (1986)	Spices

*** Plans to irradiate food in the near future

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