

## INC UPDATE: MONITORING THE NUT AND DRIED FRUIT INDUSTRY



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Chairman  
International Nut and Dried Fruit Foundation

### OVERVIEW

INTRODUCTION TO THE INC

GLOBAL STATISTICAL REVIEW

FUNDING RESEARCH

FUNDING PROMOTIONAL CAMPAIGNS

INDUSTRY'S UMBRELLA

## MISSION

INC's mission is to be the International source for information on nuts and dried fruits for:

- Health
- Nutrition
- Worldwide Production and consumption statistics
- Food safety
- Government standards
- Government regulations regarding trade barriers and trade quality standards

Over 500 members from 45+ countries



## ACTIVITIES

- Online Database *420+ scientific studies, 250+ legislative documents, 15000+ statistical data*
- The Cracker magazine *New publication dates: MARCH, JULY and NOVEMBER*
- Newsletter *Monthly e-Newsletter: industry news, scientific studies and regulatory issues*
- Website *www.nutfruit.org*
- World Nut and Dried Fruit Congress *Beijing, China, 21-23 May, 2010*
- Scientific and Government Affairs
- Research and Education
- Promotional Campaigns
- Exhibits
- Brochures



## SCIENTIFIC & GOVERNMENT AFFAIRS COMMITTEE

### SCIENTIFIC ISSUES:

- Acrylamide
- Aflatoxins
- Heavy Metals
- Ochratoxin A
- MRLs, et.al.

### TECHNICAL ISSUES:

- Customs, Duties, Trade barriers, Quality Standards, Testing Procedures, Food Safety, Shipping and Transportation.
- CODEX, EU, FAO, UNECE, USDA, WHO, WTO, et. al.

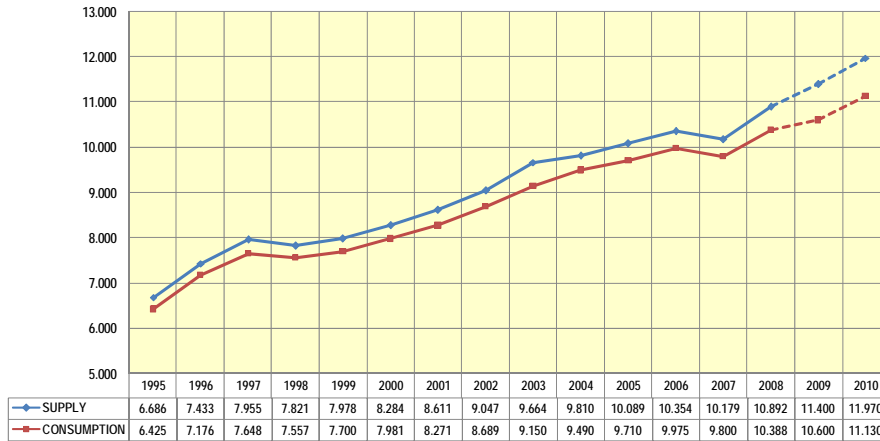


## SCIENTIFIC & GOVERNMENT AFFAIRS COMMITTEE

Mr. Pino Calcagni - Chairman	Besana Group	Italy
Ms. Julie Adams - Vice Chairman	Almond Board of California	USA
Prof. Dr. Uygun Aksoy	Ege University Faculty of Agriculture	Turkey
Dr. Lothar Boers	Eurofins Analytic GMBH/WEJ	Germany
Mr. Marcel Bruggeman	Nofa Laboratory	Netherlands
Dr. Med Achim Bub	Institute for Nutritional Physiology	Germany
Ms. Jennette Higgs	Food to Fit	USA
Dr. Cameon Ivarsson	Napasol AG	Switzerland
Mr. Merle Jacobs	American Council for Food Safety & Quality	USA
Mr. Nico Janssen	Dr. Verweij Laboratory	Netherlands
Mr. Barry F. Kriebel	Sun-Maid Growers of California	USA
Prof. Güner Özay	TUBITAK	Turkey
Prof. Gerhard Rechkemmer	Technical University of Munich	Germany
Dr. Antoni Romeu	Rovira i Virgili University Biochem. Biotec.	Spain
Prof. Jordi Salas-Salvado	Rovira i Virgili University Human Nutrition	Spain
Dr. Angelo Visconti	ISPA – CNR Institute	Italy

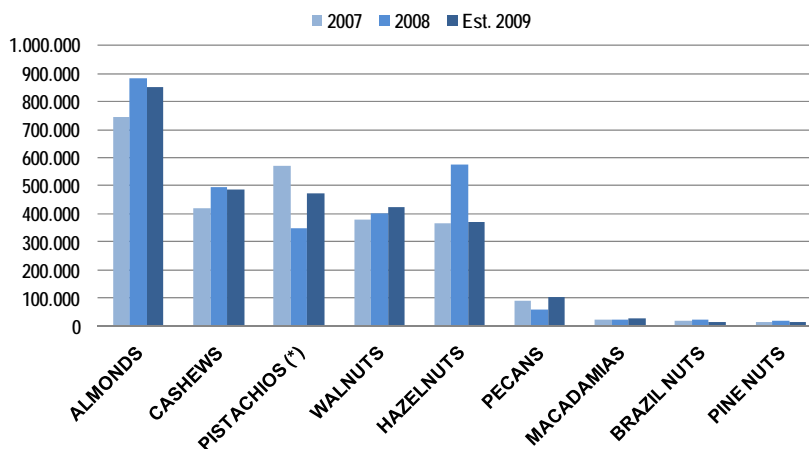
# STATISTICAL REVIEW

## WORLD TREE NUT SUPPLY AND CONSUMPTION 1,000 Metric Tons



# STATISTICAL REVIEW

## WORLD TREE NUTS PRODUCTION Metric Tons - Kernel Basis



(\*) In shell basis

## STATISTICAL REVIEW

### WORLD PEANUTS PRODUCTION

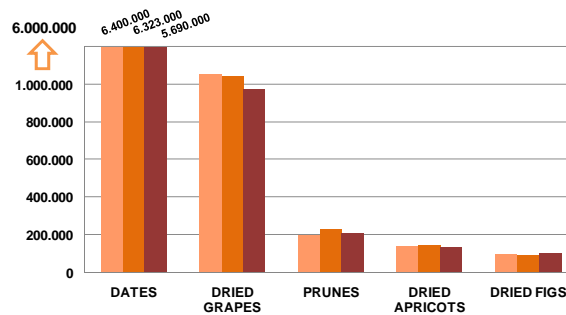
Farmers Stock

2007:	31.224.000 MT
2008:	34.680.000 MT
2009 Est.:	32.974.000 MT

### WORLD DRIED FRUITS PRODUCTION

Metric Tons

2007 2008 Est. 2009



## FUNDING RESEARCH

- «Effect of a Mediterranean Diet Supplemented With Nuts on Metabolic Syndrome Status. One-Year Results of the PREDIMED Randomized Trial». Salas-Salvado J., Fernandez-Ballart J., Ros E., Martinez-Gonzalez MA., Fito M., Estruch R., et. al. Arch Intern Med. 2008;168(22):2449-2458.



A daily serving of nuts in a traditional Mediterranean diet reduces the risk of developing metabolic syndrome, a group of metabolic abnormalities that includes abdominal obesity and risk factors for heart disease and diabetes.

Study led by Jordi Salas-Salvadó, MD, PhD, member of the INC Scientific & Government Affairs Committee.

## FUNDING RESEARCH

- «Functional effect of nuts (almonds, hazelnuts, macadamia nuts, pistachios and walnuts) on gut health». Nucis Germany and the Friedrich-Schiller-University, Jena, Germany.



- All nuts increased beneficial Short Chain Fatty Acids (SCFA) concentrations in the gut lumen.  
This can improve gut health!
- All nuts decreased toxic secondary bile acid DCA.  
This may reduce damage/mutations in colon cells!

## FUNDING RESEARCH

- «In vivo study to evaluate the ability of Captin 50 in reducing aflatoxin B1 contamination in pistachios». Institute of Science of Food Production, Italian National Research Council, ISPA-CNR, Rome, Italy.

Naturally contaminated pistachio kernels treated and untreated with Captin 50 were analyzed to measure Aflatoxin B1 levels and evaluate toxin reduction.

The study concluded that Captin 50 can be considered a natural and effective candidate for decontaminating pistachios from Aflatoxin B1.

## FUNDING PROMOTIONAL CAMPAIGNS

- **“Good Health with Nuts and Dried Fruit”**

*Netherlands Association for the Trade in Dried Fruit, Spices and Allied Products (NZV)*

Promotional campaign within Netherlands on the health aspects of nuts and dried fruits. Scientific reports and informative materials distributed to food and health professionals.

- **“Selected Topics in Primary Care: Nutrition and Updates in Family Medicine”**

*Loma Linda University School of Medicine*

Lectures by Joan Sabate, MD, DrPH, accredited for medical education credits, about nut consumption and risk of cardiovascular diseases, diabetes and obesity.

- **“Nuts and Health”**

*Nucis Italy*

Consumer poster, cards and food education questionnaire, distributed to 440 general practitioners, nutritionists, sports doctors and naturopaths in Italy.



## FUNDING PROMOTIONAL CAMPAIGNS

- **Nuts and Health Session, October 4th, 2009, Bangkok, Thailand**

Within the frame of the International Congress of Nutrition, October 4-9, 2009, Bangkok, Thailand

Preliminary Program:

- ***The Effects of Nuts on Diabetes (epidemiological data)***

Frank Hu, Harvard School of Public Health, USA

- ***Effect of Nuts on Glycemic Control and Coronary Risk Factors in Type 2 Diabetes***

Cyril Kendall, University of Toronto, Canada

- ***Phytonutrient Composition of Tree Nuts***

Jeff Blumberg, Tufts University, Jean Mayer USDA Human Nutrition Research Center, USA

- ***The Effects of Tree Nuts on Inflammation and Insulin Resistance***

Jordi Salas-Salvado, Human Nutrition Unit, University Rovira i Virgili, Spain

- ***Nuts and Maintenance of a Healthy Body Weight: the Mechanisms Involved***

Rick Mattes, Purdue University, USA

- ***Nuts and Cardiovascular disease: Results from a Meta-analysis***

Joan Sabate, Loma Linda University, USA

## FUNDING PROMOTIONAL CAMPAIGNS

### ▪ Nuts and Health Symposium, March 4th, 2010, Barcelona, Spain

Within the frame of FESNAD International Congress of Nutrition, March 3-5, 2010, Barcelona, Spain

Preliminary Program:

#### • *Nut Consumption, Weight Gain and Obesity*

Dr. Miguel A. Martinez-Gonzalez, Preventive Medicine & Public Health, Univ. of Navarra, Spain

#### • *Nuts, Lipids and Cardiovascular Risk*

Dr. Penny Kris-Etherton, Penn State University, USA

#### • *Nuts, Insulin Sensitivity and Diabetes*

Dr. Linda C. Tapsell, School of Health Sciences, University of Woollongong, Australia

Moderators:

- Dr. Emili Ros, Lipids Unit, Barcelona Hospital Clinic
- Prof. Jordi Salas-Salvado, Human Nutrition Unit, University Rovira i Virgili, Spain

## INDUSTRY'S UMBRELLA

INC participates as International Observer Organization in the Codex Alimentarius and the UNECE meetings.

### ▪ CODEX ALIMENTARIUS

"Analysis on Aflatoxin Data for the Discussion Paper on Maximum Levels for Total Aflatoxins in Almonds, Hazelnuts and Pistachios" presented to the Codex Committee on Contaminants in Food, CCCF (April 2007). Electronic Working Group led by the EU and supported by INC.

The CCCF reached consensus to increase the maximum total aflatoxin levels (The Hague, 31 March - 4 April, 2008):

- 10 µg/kg for almonds, hazelnuts and pistachios ready-to-eat
- 15 µg/kg for almonds, hazelnuts and pistachios for further processing

Discussion Paper on Maximum Levels for Total Aflatoxins in Brazil Nuts, led by Brazil and supported by INC (March 2009).

### ▪ EU/CODEX

Alignment of the EU Aflatoxin Maximum Levels (MLs) for tree nuts to the new Codex MLs.

## INDUSTRY'S UMBRELLA

- [UNECE](#)

Monitoring UN Agricultural Quality Standards:

- UNECE Specialized Section on Standardization of Dry and Dried Produce
- UNECE Working Party on Agricultural Quality Standards

- [Macadamias Working Group](#)

International Standards on Macadamias (UNECE's agricultural quality standards, pesticides, heavy metals, et.al.)

Data Collection: statistics on worldwide crop estimates and stocks from processors and marketers will be gathered under INC's umbrella and distributed to the industry.

- [Dried Fruit Working Group](#)

Monitoring regulatory and scientific issues affecting the dried fruit industry.



**3 days to gain an exclusive insight into the nut and dried fruit industry**

***Don't miss out!***

THANK YOU

