

# Kobe Gazette

# 2



## August 7th (Mon), 2006

### Evolution for Crop Protection, Public Health and Environmental Safety

(Sponsoring Organizations)

The International Union of Pure and Applied Chemistry (IUPAC) & Pesticide Science Society of Japan

## “Expand the crop protection market over the next decade!” Collins (DuPont) urges in Keynote Lecture

James C. Collins, Jr., Vice President and General Manager, DuPont Crop Protection, delivered his Keynote Lecture, entitled “Challenges and Opportunities in Crop Production over the Next Decade”, at the Opening Ceremony of the Congress. He stated that “there is no one solution to the challenges the agriculture industry faces today, and that chemical and genetic solutions are both essential to the future of agriculture. Technology will drive change in the years ahead. Across the global crop production industry, we will need to look at creative business models to meet the demands of the public. New technologies make innovation a key to the future. Replacing older technologies with safer, more effective crop solutions will lead to growth opportunities for companies that understand this trend.”



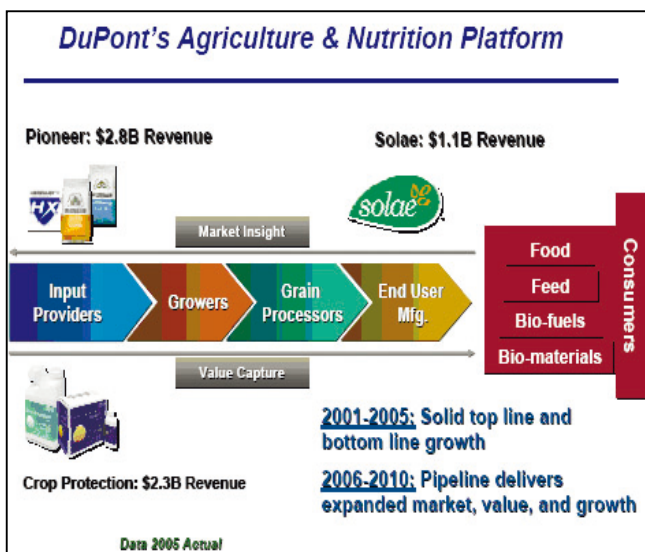
J. C. Collins (DuPont)

The DuPont Agriculture and Nutrition platform provides consumer services, products and solutions, from valued added seeds to food quality/safety management, and is well positioned for solid top and bottom line growth and future market expansion.

He also pointed out that **biofuel** was a relatively new area of focus with expected double digit growth rates in the global market over the next several years. The impact of biotechnology remains dramatic, and consumer acceptance will become more favorable as direct benefits can be demonstrated.

Mr. Collins highlighted the following key factors impacting on the crop production industry in 2006 and beyond:

- o A complex global regulatory decision-making process
- o Product re-registration timelines
- o Uncertainties such as terrorism, price/availability of oil and water, natural disasters
- o Energy prices
- o Future commodity crop price levels
- o Government support for agriculture
- o Traits and geographic expansion for genetically modified crops.



### All Day, Every topic

<b>Plenary Lecture-1</b>	
Main Hall	8:45-9:45
Prof. Kenji Mori (see Page 2)	
<b>Natural Products (S-4)</b>	
Main Hall	10:00-12:45
<b>Insecticide (S-7)</b>	
Main Hall	15:30-18:30
<b>Fungicide (ES-3)</b>	
Room 403	18:45-19:45
<b>Herbicide (S-5)</b>	
Room 401	15:30-18:30
<b>Genomics, New Technology</b>	
<b>Session-18</b>	
Room 401	10:00-12:45
<b>Evening 4</b>	
Room 501 (BTRAI)	18:45-19:45
<b>Residue Analysis</b>	
<b>Special Seminar (in Japanese)</b>	
Kairaku	10:00 - 17:00
<b>Luncheon 4 (USDA/IR-4)</b>	
Room 501	13:00-14:00
<b>Luncheon 5 (Nisso)</b>	
Room 502	13:00-14:00
<b>Evening 2 (PSSJ/Yamamoto)</b>	
Room 401	18:45-19:45
<b>Formulation &amp; Application</b>	
<b>Session-10</b>	
Room 501	15:30-18:30
<b>Luncheon 3 (Batelle)</b>	
Room 403	13:00-14:00
<b>Regulatory, Risk, Food</b>	
<b>Session-20</b>	
Room 301	10:00-12:45
<b>Session-19</b>	
Room 301	15:30-18:30
<b>Luncheon 3 (Batelle)</b>	
Room 403	13:00-14:00
<b>Evening 1 (CLI)</b>	
Room 301	18:45-19:45
<b>Evening 5 (Huntingdon LS)</b>	
Room 502	18:45-19:45
<b>Environment (S-16)</b>	
Room 501	10:00-12:45

### - Official Information -

#### 1. Program Change

Session 4-2 Speaker: A.D. Buss is replacing M. Everett.

Evening Seminar-1 Chairman: B. Johnen (Belgium).

Evening Seminar-2: C. Pan is replacing F. Liu (China).

#### 2. 残留農薬分析セミナー

本日 10 時から開催される残留農薬分析セミナーの受付は 9 時半より借楽の間にて開始。(詳細は 3 頁を参照して下さい。)

**ptr!** 明日 12:30 より Room 401 にてランチョンセミナーを行います。是非ご参加ください

<http://www.ptrwest.com>

## Who's Who in the Congress

Prof. Kenji Mori

Plenary Lecturer - 1

Kenji Mori was born in Seoul, Korea, in 1935, and is the son of a Japanese Christian pastor. He obtained his B.Sc. (1957, agricultural chemistry), M.Sc. (1959, biochemistry), and Ph.D. (1962, organic chemistry) degrees from the University of Tokyo. He remained there until March 1995 (1962-1968, assistant; 1968-1978, associate professor; 1978-1995, professor), and then moved to Tokyo University of Science as a professor. His research interests include the enantioselective synthesis of pheromones and other biofunctional molecules, biotransformations, and chemical ecology.

He has been honored with awards from the Japan Academy, the International Society of Chemical Ecology (Silver Medal in 1996 in Prague), and the American Chemical Society (The Ernest Guenther Award in the Chemistry of Natural Products in 1999 in Anaheim). His hobby is collecting fossils.

The following list shows his huge accomplishment in many academic fields.

1. Monographs in English (18 books and chapters)
2. Reviews (24 articles)
3. Original Papers (759 papers)
  - A. Pheromone Synthesis (270 papers)
  - B. Pheromone Biology (72 papers)
  - C. Synthesis of Compounds with Juvenile Hormone Activity (48 papers)
  - D. Synthesis of Sphingosine Relations (38 papers)
  - E. Synthesis of Substances related to Gibberellins (29 papers)
  - F. Diterpenoid Total Synthesis (40 papers)
  - G. Brassinolide, Auxin, Strigol & Other Plant Bioregulators (35 papers)
  - H. Synthesis of Mono- and Sesquiterpenoids (32 papers)
  - I. Synthesis of Degraded Carotenoids & Triterpenoids (25 papers)
  - J. Synthesis of Microbial Hormones & Microbial Metabolites (62 papers)
  - K. Preparation of Optically Active Compounds By Biocatalytic Methods (25 papers)
  - L. Analytical Biochemistry (6 papers)
  - M. Liquid Crystals (8 papers)
  - N. Other Works (69 papers)



## Highlights of the Opening Day

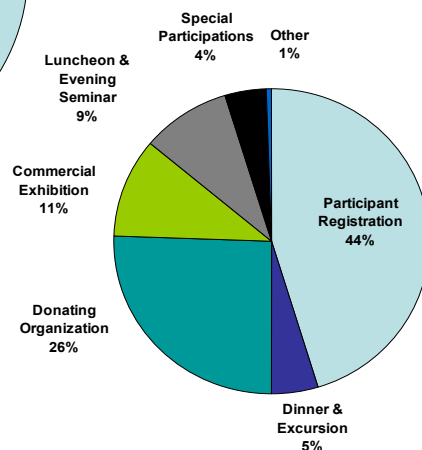
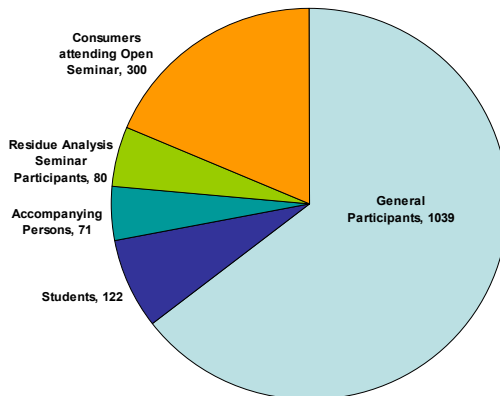
An exciting visual display entitled "from Basel to Kobe" was accompanied with live music by "Rosa String Quartet". Music numbers played were "Divertiment No.1, K136, 1st and 2nd Movements" by W. A. Mozart, "Take the A-Train" by D. Ellington, "Divertiment No. 3, K138, 2nd Movement" by W. A. Mozart, and others. The members of the "Rosa String Quartet" are T. Murara (1st Violin), K. Nakayama (2nd Violin), M. Arato (Viola) and Y. Kumamoto (Cello).



Prof. Hideo Ohkawa of the Fukuyama University delivered a welcome address as the Chairperson of the Organizing Committee. He emphasized that this Congress is certain to provide all participants with a unique chance to discuss not only new developments in chemistry and related technologies but also public health issues such as vector control, environmental science matters and other current topics.

Dr. Kenneth D. Racke, the President of the IUPAC Division of Chemistry and Environment, gave a welcome speech as the representative of one of the host sponsoring organizations, IUPAC.

Finally, Dr. Noriharu Ken Umetsu, the President of the Pesticide Society of Japan, extended a hearty welcome to all participants. He announced that nearly 1,600 participants had registered for the Congress (See figures below). This includes 71 accompanying persons and 300 general consumers who will attend the "Open Seminar" on August 9. The remaining 1,250 is made up of scientists, including students, from 66 countries (Also see page 4).



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Ecotoxicology & Environmental Fate

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## Kampai! Cheers! Prost! Ganbei! Salute!

The Welcome Reception began with a toast given by Prof. S. Matsunaka, and proceeded in a very friendly atmosphere. Participants enjoyed food and beverages, but, best of all, every one got to know each other and talk.



Moderator: Prof. M. Sasaki



Toast by Prof. S. Matsunaka



Getting to know each other!



Welcoming words by  
Prof. K. Mori



## Highlights of Evening Seminars on August 7th (Mon.)

(Evening seminars will start at 18:45 and end at 19:45)

### ➤ Evening Seminar-1 (Room 301) Sponsor: CropLife International Probabilistic Approaches in Dietary Risk Assessment

Dr. Lois Rossi (US EPA) will explain the probabilistic approach, which helps the regulatory process by providing more realistic and scientific estimations of acute dietary exposure. This allows, for instance, account to be taken of different crop protection products in the same sample in a realistic manner, which isn't possible using the deterministic approach.

### ➤ Evening Seminar-2 (Room 401) Sponsor: PSSJ Export of crops and pesticide residue issues in China and Thailand

Two key persons from each crop export country will explain the current situation in pesticide residue issues.

### ➤ Evening Seminar-3 (Room 403) Sponsor: PSSJ Current and future R&D activities in agrochemical area in Korea and Japan (Fungicide)

Battelle is a Swiss company, and this seminar consists of two different topics. Dr. Weidenauer will introduce the complex registration situation of agrochemicals in Europe. Next, Dr. Bell will explain the Life Cycle Management by formulation strategy.

### ➤ Evening Seminar-4 (Room 501)

Sponsor: Bio-oriented Technology Research Advancement Institution

Biomonitoring of POP's in Transgenic Flowering Plants

### ➤ Evening Seminar-5 (Room 502) Sponsor: Huntingdon Life Sciences

*Simultaneous Interpretation in Japanese is provided.*

### ➤ Special Seminar (Kairaku/Portopia Hotel)

"Advanced Residue Analysis of Pesticide to obtain precise and accurate data - to cope with the "Positive List System"  
Sponsor: PSSJ

August 7th (Mon) from 10:00 to 17:00 (include lunch)  
Language is Japanese.

日本農薬学会主催の残留農薬分析セミナーは、8月7日(月)、ポートピアホテルの本館地下1階、「偕楽の間」で開催します。受付開始は9時半より、直接会場にお越しください。先着順で受付いたします。参加費は無料ですが、定員をオーバーするような場合は、このセミナーに事前登録された方を優先しますので、ご了解のほどお願い申し上げます。関係資料、お弁当がでます。なお、昼食時は他の会場のランチョンセミナーをきくので、お弁当はいらないという方も受付いたしますので、お申し出ください。

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Stands H2 and I17

**Extra Meeting Announcements**

**\$ Faculty Dinner for RDF Members**

17:00 - 20:30 Room 505

**Weather forecast  
(Kobe City)**

**7th (Mon)**

Max temp. 31 °C, Min. temp. 26 °C



Cloudy, occasional sunshine

Time: 0-6 6-12 12-18 18-24  
Chance of Rain: 0% 10% 0% 0%

**8th (Tue)**

Max temp. 31 °C, Min. temp. 26 °C



Cloudy, occasional sunshine

Time: 0-6 6-12 12-18 18-24  
Chance of Rain: 0% 10% 0% 0%

**9th (Wed)**

**10th (Tue)**

Weather:

Chance of Rain: 10% 30%

**Map of Sannomiya Station Area**

(There is a shuttle bus from Kobe Portopia Hotel to Sannomiya every 20 minutes)



**Join SCC GmbH for  
an Evening of German Wines!  
Tuesday, 8 August 2006  
6:00 – 9:00 PM  
Matsu Meeting Room,  
Hotel Portopia Kobe  
We'll see you there!**



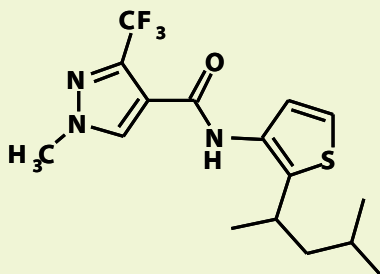
**<Chemist's Corner>**

**Interesting Fungicides**

The following two new fungicides, and many more, are being introduced in this Congress.

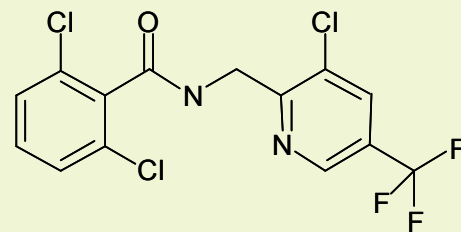
1) Mitsui Chemicals  
Session: S9-2

Penthiopyrad (MTF-753)



2) Bayer CropScience  
Session: S3-6, S9-3  
Poster: II-1-iii-02A (SPW5-1)

Fluopicolide



**Pre-registered participants by country\***

1. Japan	650	28. Costa Rica, Egypt, Malaysia, Singapore, Iran, Bangladesh	3
2. USA	108	34. Argentina, Italy, The Netherlands, Greece, Jordan, Kazakhstan, Kenya, Kyrgyz Republic, Mexico, Nepal, Norway, Pakistan, Senegal	2
3. Germany	59	47. Austria, Belarus, Cameroon, Chile, Ethiopia, Haiti, Indonesia, Morocco, Oman, Palestinian Authority, Peru, Saudi Arabia, Serbia & Montenegro, Solomon Island, South Africa, Spain, Syria, The Gambia, Uganda, Zimbabwe	1
4. People's Republic of China	46		
5. Republic of Korea	44		
6. United Kingdom	35		
7. India	17		
8. Switzerland	12		
9. Australia	11		
10. Israel, Thailand	10		
12. Hungary, Vietnam	7		
14. Nigeria, Taiwan	6		
16. Belgium, Brazil, Canada, France, New Zealand, Romania, Russia, Sudan	5		
24. Ghana, Sri Lanka, Philippines, Ukraine	4		
		<b>Total 66 countries</b>	<b>1,161</b>

\*Actual participants number will be reported in Kobe Gazette No. 6.

**Gourmet Guide**

There are countless restaurants in the Sannomiya downtown area.

The following are just a few examples.

**Kobe Beef**

① **KOBE STEAK**

☎ 078-391-2581  
🕒 Lunch: 11:30 - 15:00  
Dinner: 17:00 - 21:00  
Budget: Course: 5,500 yen~

② **MOURIYA Head Office**

☎ 078-391-4603  
🕒 11:30 - 22:00  
Closed: August 7 (Monday)  
Budget: Lunch: 3,000 yen~  
Dinner: 7,000 yen~

③ **MOURIYA Sannomiya**

☎ 078-321-1990  
🕒 11:30 - 22:30  
Budget: Lunch: 3,000 yen~  
Dinner: 7,000 yen~

**Japanese Food**

④ **DAN YA (段屋)**

☎ 078-252-5848  
🕒 Lunch: 11:30 - 13:30  
Dinner: 18:00 - 23:30  
Budget: Lunch 2,500 yen ~  
Dinner 5,000 yen ~

⑤ **HANA MURASAKI (Sushi bar)**

☎ 078-333-4103  
🕒 Lunch: 11:30 - 15:00  
Dinner: 17:00 - 23:00  
Budget: 1,500 yen~

**Italian**

⑥ **GRAZIA**

☎ 078-265-0855  
🕒 Lunch 11:30 - 15:30  
Cafe 15:00 - 17:30  
Dinner 17:30 - 23:00  
Budget: 1,500 yen~