"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.”

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:

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

J. C. Collins (DuPont)

DuPont’s Agriculture & Nutrition Platform

**Pioneer**: $2.8B Revenue

**Soybe**: $1.1B Revenue

- Input Providers
- Seed
- Growers
- Grain Processors
- End Users

Food
Feed
Biofuels
Bio materials

2001-2005: Solid top line and bottom line growth
2006-2010: Pipeline delivers expanded market, value, and growth

Date 2005 Actual

- Official Information -

1. Program Change
   - Session 4-2 Speaker: A.D. Buss is replacing M. Everett.
   - Evening Seminar-1 Chairman: B. Johnsen (Belgium).

2. Residue Analysis Seminar
   - This evening seminar will be held in Kairaku 10:00 - 17:00.

3. Environment (S-16)
   - Evening Seminar-2: C. Pan is replacing F. Liu (China).

4. Regulatory, Risk, Food
   - Evening Seminar-3: C. Pan is replacing F. Liu (China).

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

6. Formulation & Application
   - Evening Seminar-1: C. Pan is replacing F. Liu (China).

7. Genomics, New Technology
   - Morning Seminar-1: C. Pan is replacing F. Liu (China).

8. Environment (S-16)
   - Evening Seminar-2: C. Pan is replacing F. Liu (China).

   - Morning Seminar-1: C. Pan is replacing F. Liu (China).
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).
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.

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.

- **Special Seminar** (Kairaku/Portopia Hotel)
  “Advanced Residue Analysis of Pesticide to obtain precise and accurate data - to cope with the “Positive List System”
  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、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くがるので、お弁当はいないという方も受付いたしますので、お申し出ください。

- **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.
Extra Meeting Announcements

Faculty Dinner for RDF Members
17:00 - 20:30 Room 505

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!

Gourmet Guide
There are countless restaurants in the Sannomiya downtown area.
The following are just a few examples.

**Kobe Beef**

<table>
<thead>
<tr>
<th>Restaurant</th>
<th>Phone</th>
<th>Lunch (closed on Sunday)</th>
<th>Dinner (closed on Monday)</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOBES 505</td>
<td>078-391-2581</td>
<td>Dinner: 17:00 – 21:00</td>
<td></td>
<td>5,500 yen~</td>
</tr>
</tbody>
</table>

**Japanese Food**

<table>
<thead>
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<th>Restaurant</th>
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<th>Lunch (closed on Sunday)</th>
<th>Dinner (closed on Monday)</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN YA</td>
<td>078-252-5848</td>
<td>Lunch: 11:30 – 13:30</td>
<td>Dinner: 18:00 – 23:30</td>
<td>5,000 yen~</td>
</tr>
</tbody>
</table>

**Italian Food**

<table>
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<tr>
<th>Restaurant</th>
<th>Phone</th>
<th>Lunch (closed on Sunday)</th>
<th>Dinner (closed on Monday)</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAZIA</td>
<td>078-265-0855</td>
<td>Lunch: 11:30 – 15:30</td>
<td>Dinner: 17:30 – 23:00</td>
<td>5,000 yen~</td>
</tr>
</tbody>
</table>

Pre-registered participants by country*

1. Japan 650
2. USA 108
3. Germany 59
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
11. Hungary, Vietnam 7
12. Nigeria, Taiwan 6
13. Belgium, Brazil, Canada, France, New Zealand, Romania, Russia, Sudan 5
14. Ghana, Sri Lanka, Philippines, Ukraine 4

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

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<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
   Fluopicolide

Weather forecast

Kobe City

7th (Mon)
Max temp. 31 ºC, Min. temp. 26 ºC

Cloudy, occasional sunshine

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

8th (Tue)
Max temp. 31 ºC, Min. temp. 26 ºC

Cloudy, occasional sunshine

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

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