New Board of CCPIA establishment
China Pesticide Industry Awards

CCPIA issued list of Top 100 pesticide enterprises in AgroChemEx 2012
Founded in April, 1982, China Crop Protection Industry Association (CCPIA) was one of the earliest trade associations in China’s chemical field. It is a non-profit national institution covering different regions, organizations/departments and industries, and possesses independent legal person status.

In the course of the more than two decades period since its establishment, CCPIA has undergone rapid development, witnessing its members increased from the originally 45 to 564 at present, covering producers/enterprises, R & D and design institutions, universities and colleges, provincial/municipal pesticide associations related with technicals and formulations, intermediates, auxiliaries, packing materials, packing equipments and applying machines, etc. CCPIA members companies’ production value accounts for 90% of the national total pesticide production.

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The 2013 International Forum on the Procurement & Services of Crop Protection Products and Conference on Crop Protection Science & Technology, in parallel with Agrochemex 2013, organized by China Crop Protection Industry Association, will be held at Shanghai Everbright International Hotel on October, 2013. The events will cover marketing, new legislation and new data requirements, as well as innovation and technology improving. Since it began six years ago, the events has attracted thousands people, especially for technical and regulatory staff and marketing specialists.

Original papers, surveys and presentations on all aspects of crop protection are invited. Possible topics for submission to the various sessions include, but are not limited to:

- Markets: status of local agrochemical industry or agriculture, strategies of international marketing, cooperation with Chinese companies
- Policies: registration overseas, view of local pesticides regulation
- R&D: synthesis of technicals, intermediates and pro-pesticides
- Environmental science: new pollution treatment technology, green process, energy reduction and comprehensive use of resources
- Process and application: formulation process, adjuvant and formula, application and efficiency
- Marketing strategy: market exploration, import/export
- Bio-pesticides
- Others: Agrochemical Residue & Metabolism Chemistry

All papers should make clear titles, abstract, author(s), the affiliation (institution, agency or company) and location (city and state or country). Deadline is July 30th, 2013. Excellent papers will be selected and be presented in the forum, the authors will be awarded. All the papers should be sent to ccpia.acc@gmail.com or yousheng@ccpia.org.cn before July 30th.

http://www.agrochemex.org
China’s pesticide production up 20% in Q3

According to the statistics of National Bureau of Statistics, total 800 Chinese pesticide enterprises above designated size which data were collated realized a total industrial output value of Yuan 176.27 billion ($27,979 million at the current rate) in first nine months 2012, with an increase of 22.6% on the same period last year. Among which, growth of biological pesticide achieved 46.4%, Sales of pesticide grow by 25.6% to Yuan 19.43 billion in September and accumulative sales has grown 21.9% to Yuan 171.04 billion. Due to the higher domestic demand, fast growing market overseas, higher price of products, the profit of pesticide industry grow by 25.2% to Yuan 8,940 million, which showed that economic benefits had improved apparently.

Table major economic indicator (Yuan billion)

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of company</th>
<th>Industry output value</th>
<th>sales</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Industry output value</td>
<td>sales</td>
<td></td>
</tr>
<tr>
<td></td>
<td>September</td>
<td>% change</td>
<td>September</td>
</tr>
<tr>
<td>pesticide</td>
<td>800</td>
<td>19.35</td>
<td>26.7</td>
</tr>
<tr>
<td>chemical</td>
<td>678</td>
<td>16.23</td>
<td>21.7</td>
</tr>
<tr>
<td>biological</td>
<td>122</td>
<td>3.12</td>
<td>43.0</td>
</tr>
</tbody>
</table>

It is shown from the table above that the imported and exported pesticide increased greatly. The volume of imported pesticide reached 687.100 tonnes, increased by 12.4%, the exported pesticide value was $2,155 million, increased by 16.4%, and the exported average price was $3,136.4/t, rose by 3.6%. The volume of exported pesticides accounts for 26.8% of the total output. Among them, exported herbicides volume was 457,400 tonnes, increased by 21.2%, accounting for 66.6% of the total export, 38.9% of herbicide production. The exported herbicide value was $1,245 million; the average exported price was $2,721.9/t, increased by 2.6%. The exported fungicide was 54,400 tonnes, decreased by 7.6%, accounting for 7.9% of the total exported volume, 52.3% of fungicide production; the exported fungicide value reached $257 million, down 10.5%, the average exported price was $4,724.3/t, decreased by 3.1%.

According to the data released by the Chinese General Administration of Customs, pesticide import/export in the first nine months of 2012 is shown in table 2.

Table 2 pesticide import/export in first 9 months of 2012

<table>
<thead>
<tr>
<th>Product category</th>
<th>Type</th>
<th>Import</th>
<th>Export</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Amount</td>
<td>Value</td>
</tr>
<tr>
<td></td>
<td></td>
<td>September &amp; change</td>
<td>September &amp; change</td>
</tr>
<tr>
<td>Insecticides</td>
<td>259</td>
<td>1.5</td>
<td>2,565</td>
</tr>
<tr>
<td>Fungicides</td>
<td>85</td>
<td>-0.6</td>
<td>588</td>
</tr>
<tr>
<td>Total</td>
<td>344</td>
<td>1.5</td>
<td>3,153</td>
</tr>
</tbody>
</table>

Source: National bureau of statistics.

China’s new Pesticide Management Regulation will come out

In the AgroChemEx2012, Director of ICAMA, Ministry of Agriculture, Sui Pengfei said, new Pesticide Management Regulation will come out soon.

He noted, compared with existing Regulation, new Regulation basically has the following some changes:

For registration: Pesticide registration will no longer be restricted, and any individual can apply for the registration of new pesticide; Allowing registration data transfer and data sharing; pesticide registration certificate can be transferred like a stock to the manufacturers; Registration fraud is forbidden. The manufacturer, which is discovered for registration fraud, can’t apply for the registration of new products in five years.

For production and consigned processing: Approval of the consigned processing will be liberalized for promoting sharing of the productive resources of industry.

For distribution: Pesticide business license is required in pesticide business activities, which will eliminate country’s 350,000 distributors; besides, new Regulation establishes product traceable mechanism, and implements the pesticide recall system.

In recent years, with the rapid development, China’s pesticide industry exposes many problems, including excessive pesticide use, Illegal additive, residues issues, illegal distribution, fake pesticides as well as patent infringement, “forthcoming Pesticide Management Regulations, is expected to solve these problems.” Sui Pengfei said.

About agrochemical show:

www.agrochemex.net

More info: Visit: www.ccapia.org.cn/en
New board of CCPIA establishment

China Crop Protection Industry Association (CCPIA) recently announced the appointment of Sun Shubao as the new president of the Board for a term of five years, from October 2012 to October 2017.

Besides, Dr. Li Zhonghua joined the CCPIA as Secretary-General, Mr. Luo Haizhang, former president of the CCPIA held the post of Honorary President.

Along with the leadership on the new board, total of 19 industry professionals includes chairman of Qingdao Haixi, Mr. Ge Quanf, chairman of Qingdao Binhong, Mr. Huang Yanchang, chairman of Yangdong, Mr. Qi Mingzhu, chairman of Wynca, Mr. Wang Wei, chairman of Anhui Huaxing, Mr. Xie Ping, chief manager of Shandong Sino-agri United, Mr. Xu Hui, chairman of Redsun, Mr. Yang Shouhai, etc. are selected.

New Board Members of CCPIA

<table>
<thead>
<tr>
<th>Vice President</th>
<th>Vice president Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Su Rui</td>
<td>Paper Pesticides and Chemical Co., Ltd.</td>
</tr>
<tr>
<td>Suo Ganiu</td>
<td>Jiangsu Hansen Biologic Science Co., Ltd.</td>
</tr>
<tr>
<td>Huang Mingshi</td>
<td>Hunan Hait Agrochemical Co., Ltd.</td>
</tr>
<tr>
<td>Huang Yanchang</td>
<td>Jiangxi Binhong Technology Co., Ltd.</td>
</tr>
<tr>
<td>Li Bin</td>
<td>Shenyang Chemical Research Institute</td>
</tr>
<tr>
<td>Li Daqin</td>
<td>Nanjing Jiangnan Agrochemical and Chemical</td>
</tr>
<tr>
<td>Li Zuoyong</td>
<td>Hanmi Sanoma Group</td>
</tr>
<tr>
<td>Su Baoping</td>
<td>Shanxi Jinping</td>
</tr>
<tr>
<td>Li Mingzhi</td>
<td>Jiangxi Changjiang Chemical Co., Ltd.</td>
</tr>
<tr>
<td>Qi Mingzhu</td>
<td>Jiangxi Yangdong Chemical Co., Ltd.</td>
</tr>
<tr>
<td>Su Yi</td>
<td>Sino-agri Leading Biosciences Co., Ltd.</td>
</tr>
<tr>
<td>Wang Wei</td>
<td>Qingdao Wynca Chemical Co., Ltd.</td>
</tr>
<tr>
<td>Xie Ping</td>
<td>Anhui Huaxing Chemical Co., Ltd.</td>
</tr>
<tr>
<td>Su Hua</td>
<td>Shandong Sino-agri United</td>
</tr>
<tr>
<td>Tang Shouhai</td>
<td>Jiangsu Redsun Group Biochemical Co., Ltd.</td>
</tr>
<tr>
<td>Yang Chenhua</td>
<td>Jiangsu Suhua Group</td>
</tr>
<tr>
<td>Ye Jingming</td>
<td>ICAMA</td>
</tr>
<tr>
<td>Zhang Qing</td>
<td>Hebei Weiyang</td>
</tr>
<tr>
<td>Li Zhonghua</td>
<td>China Crop Protection Industry Association</td>
</tr>
</tbody>
</table>

Mr. Cao Chengyu and Mr. Li Zhengmin and Mr. Yang Guangliang were appointed as deputy secretary general.

Cao Chengyu
Mr. Cao Chengyu has served as deputy general secretary of the China Crop Protection Industry Association (CCPIA) for twelve years since 2005, before he worked in China National Petroleum & Chemical Planning Institute (NPCPI). As the expert, he has involved in drafting pesticide policies.

Li Zhengmin
Prof. Li Zhengmin engaged in organic chemistry and R&D of new pesticides over a long period of time. He made many outstanding contributions to China’s career of organic chemistry, pesticide and industry development. In 1995, Mr. Li was elected as academician of the Chinese Academy of Engineering.

Shen Yinchu
Prof. Shen Yinchu has long been engaged in the research and development of Bio-chemical engineering and Bio-pesticide, and made important contribution. He discovered and developed Jinganmycin which is the first kind of new bio-pesticide of high effective and safe to environment.

Besides, Mr. Tan Zhuzhou, former deputy director of former Ministry of Chemical Industry is employed as Lifelong honorary President; Mr. Yin Yimin, Mr. Wang Luxian, as the Academicians of CAE, Professor Li Zhengmin and Professor Shen Yinchu are employed as senior consultants.

Wang Luxian
Mr. Wang Luxian had served as Chairman of CCPIA for 12 years and as senior consultant for 8 years. In his career, he worked in former China Ministry of Chemistry Industry for nearly 20 years.

Yin Yimin
Mr. Yin Yimin had been Chairman of NPCPI for many years and as senior consultant of CCPIA for 8 years. In his career, he presided over a number of chemical project and provided many suggestions for government.

China Crop Protection Industry Association has 564 members at present, covering producers’ enterprises, R&D and design institutions, universities and colleges, provincial/municipal pesticide associations related with technicals and formulations, intermediates, auxiliaries, packing materials, packing equipment and applying machines, etc. Member companies’ production value of CCPIA accounts for 85% of the total national pesticide production.

Sun Shubao
Dr. Sun Shubao had served as general secretary of the China Crop Protection Industry Association (CCPIA) for twelve years since 2000. He started his career in the agrochemical division of the China Petroleum and Chemistry Commission in 1990. He work for the National Development and Reform Commission on pesticide policy issues has involved drafting several high profile policies.

Li Zhonghua
Dr. Li Zhonghua, served as Associate Dean and Chief Engineer of Central Research Institute of Chemical Science and Technology for many years. She presided over a number of National pesticide created project. In 2005, she was employed as doctoral supervisor of Science Department of China Agricultural University.

Yang Guangliang
Mr. Yang Guangliang has served as Deputy Chief Engineer of NPCPI for many years. He provides technical consultancy on new agrochemical projects and as the expert, he is involved in drafting pesticide policy.
**Industrial News**

**Plant control change (%):**
- Insect: -23.9%
- Mite: +560.0%
- Fungi: +22.2%

**Output change (%):**
- Weed: +45.5%
- Fungi: +14.0%
- Insect: +12.5%
- Pesticide: +12.7%

**Production:**
- Weed: 147,212 tonnes
- Fungi: 59,208 tonnes
- Insect: 87,000 tonnes

**Exported insecticides of Zhejiang companies boosted 135% in first 10 months 2012**

According to Zhejiang Pesticide Association, in first 10 months, total output value of 48 main pesticide enterprises grew by 18% to Yuan 11,940 million. Sales of the companies grew by 15% to Yuan 11,518 million. The profit grew by 2% to Yuan 429 million. The output of insecticides grew by 7% to 74,636 tonnes. The sales volume grew by 8% to 96,610 tonnes. Volume of exported pesticides went up by 7% to 72,051 tonnes.

In October, total output value of Zhejiang 48 main pesticide enterprises grew by 25% to Yuan 1,154 million. Sales of pesticide rose by 15% to Yuan 1,315 million. The output of insecticides grew by 12.5% to 55,208 tonnes; that of fungicides fell by 0.9% to 43,453 tonnes output of PGR and acaricides dipped. Output of insecticide fell by 12.5% to 9,226 tonnes; that of fungicides fell by 19.1% and 7.3% to 5,581 tonnes and 922 tonnes, respectively.

The export pesticide volume was 111,440 tonnes and the value reached Yuan 3,106 million.

**Varieties:**
- For categories, herbicide is the largest variety, the output of herbicides went up by 16.7% to 151,911 tonnes. Volume of exported pesticides went up by 7% to 72,051 tonnes.
- For varieties, volume of glyphosate increased by 16.1% to 90,641 tonnes, while paraquat decreased by 4.8% due to its use restriction. Detailed see table 1.

### Table 1. Output of pesticides by category (tonnes)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Pesticide target</th>
<th>Output change (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glyphosate</td>
<td>Weed</td>
<td>+16.1</td>
</tr>
<tr>
<td>Parquat</td>
<td>Weed</td>
<td>-4.8</td>
</tr>
<tr>
<td>Butachlor + acarol</td>
<td>Weed</td>
<td>+22.5</td>
</tr>
<tr>
<td>trifluralin</td>
<td>Weed</td>
<td>+101.4</td>
</tr>
<tr>
<td>Chlorpyrifos</td>
<td>insect</td>
<td>+700</td>
</tr>
<tr>
<td>Imidacloprid</td>
<td>insect</td>
<td>+127</td>
</tr>
<tr>
<td>Diamethoxide</td>
<td>insect</td>
<td>+560</td>
</tr>
<tr>
<td>Cypermethrin</td>
<td>insect</td>
<td>-16.2</td>
</tr>
<tr>
<td>Mancozeb</td>
<td>Fung</td>
<td>-7.6</td>
</tr>
<tr>
<td>Chlorothalon</td>
<td>Fung</td>
<td>+10.6</td>
</tr>
<tr>
<td>Teluroxazole</td>
<td>Fung</td>
<td>-3.9</td>
</tr>
<tr>
<td>Carfeniram</td>
<td>Fung</td>
<td>-33.1</td>
</tr>
<tr>
<td>Thiophanate-methyl</td>
<td>Fung</td>
<td>-15.3</td>
</tr>
<tr>
<td>Thioctozone</td>
<td>Fung</td>
<td>+65.5</td>
</tr>
<tr>
<td>Diclofop</td>
<td>W</td>
<td>-10.4</td>
</tr>
<tr>
<td>Pyridaben</td>
<td>W</td>
<td>-2.4</td>
</tr>
<tr>
<td>Ethephon</td>
<td>Plant control</td>
<td>-22.9</td>
</tr>
<tr>
<td>azodinobenzonil</td>
<td>Plant control</td>
<td>+22.2</td>
</tr>
</tbody>
</table>

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- [www.agrochemex.net](http://www.agrochemex.net)

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**China probes anti-dumping on imported pyridine from Japan, India**

China's Ministry of Commerce (MOC) on Friday launched anti-dumping investigations over imported pyridine from Japan and India.

Pyridine is an organic compound used as an important raw material and solvent in the production of pesticides, drugs, animal feed, food additives and other chemicals. Among them, herbicide paraquat and vitamin B3 are the main products of pyridine downstream.

China Agrochemical company Redsun broke through the bottleneck of synthetic technology of pyridine and achieved industrialization, which led to quick expansion of pyridine's production capacity.

In 2010, Redsun’s pyridine capacity reached 62,000-ton/a, which is beyond vatelus, became the largest pyridine supplier. According to the statistics, domestic pyridine capacity reached 87,000-ton/a in 2011, accounting for 60% of global capacity. Paraquat is the biggest downstream of pyridine. However, the new “mother liquid” and water-based formulations (includes complex water-based formulations of paraquat, the same as below)/new field test, registration or production (includes production certificates and documents, the same as above) will not be processed. The approval of registration and production of new “mother liquid” and formulations products will be haunted. Supply exceed the demand recently.

Along with the down spiral of imported pyridine owing to the improved domestic supply, volume imported from India and Japan are up year by year. Pyridine volume imported dipped by 15% in 2011 compared with the same period of 2008, while volume imported from India and Japan jumped by 42% in 2011 over the same period of 2008, accounting for 83% of total volume imported. Besides, the price of pyridine imported from India and Japan are more lower than the domestic price.

For these factors, authorities will examine whether and to what extent such imports hurt the Chinese pyridine industry and make decisions according to law, according to statement posted on the MOC’s website.

The probes are expected to end within a year and can be extended for another six months under special circumstances.
Police confiscated 12,000 tonnes of substandard agricultural products, it was announced on Friday [29 June] year to crack down on counterfeit and suspect in 900 cases since a special police have arrested more than 1,700 suspects in 900 cases since a special campaign launched at the start of this year to crack down on counterfeit and substandard agricultural products, it was announced on Friday [29 June].

To strengthen the crackdown efforts to maintain the international image of the agrochemical industry

Illegal behavior, such as producing and selling fake products, has a huge negative impact on pesticide market. For those legal enterprises, it is an unfair competition and for purchasers and customers, also potential losses and risks. CCPIA has established 14 collaborative working groups on major products in the hope of building healthier environment. The aim is to promote production level, prolong products’ life circle and maintain the market order as well as fighting against illegal behaviors.

Disorder status of pesticide market has an adverse effect on sustained development of the industry. CCPA shall pay close attention to and take effective measures on anti-fake products activities in cooperation with polices and related administrative departments.

In recent years, we continued to receive the report, which prosecute the unlawful pesticide business. Around March 15th in 2011, the association reported to the government and requested to strengthen the efforts to anti-counterfeiting after investigation based on the social prosecution. It is reported that more than 10 illegal pesticide production enterprises were found, one of which in Jiangsu involving nearly 20 million RMB, as a one of the national major cases. Mr. Luo Haizhang hopes that central government and relevant administrative departments will strengthen the crackdown of the illegal acts, make normalization of the assault-style crackdown and effectively protect the interests of farmers.

In 12th AgroChemEx, Mr. Liao Changsheng from Singapore had the experience of deceived. When referring to how to prevent such incidents, he said, the first step is for the CCPA to work with various Chinese authorities to set up some form of control and management of such fraudulent cases. At the moment, as far as I know, there are no means for foreign buyers cheated by fraudulent parties in China to get compensation or to have bad products returned to the sellers or to China unless the case gets to a government to government level. Legal procedures are complicated to follow and often totally ineffective. The culprits hide themselves when pursued.

If there is a legal entity formed by the CCPA that has power to assist foreign buyers pursue fraudulent parties in China or even to address complaints, and such an entity is then publicized in foreign countries through their respective chemical industry association, this will go a long way in restoring confidence of foreign buyers.

Actually, CCPA has taken steps in import and export trade, protecting the industry interests and maintaining the image of the industry in China. On October 18, 2012, CCPA established Trade Commission and issued the list of Chinese Pesticide Industry credit enterprises.

Fake and shoddy agricultural materials not only damage the interests of the farmers, it is a major blow to the industry as a whole. Black-sheep suppliers helping to ruin reputation of the industry and the adverse influence even spread to the world. Which led many countries arise the bad publicity and often totally ineffective. The culprits hide themselves for foreign buyers cheated by fraudulent parties in China to get compensation or to have bad products returned to the sellers or to China unless the case gets to a government to government level. Legal procedures are complicated to follow and often totally ineffective. The culprits hide themselves when pursued.

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Wynca sales up 32.5% in Q3

Wynca sales rose by 32.5% in the third quarter of 2012 compared with the same period last year to Yuan 1,566 million. The net profit attributable to stockholders of listed company reached Yuan 35.45 million.

For nine months, due to upward spiral on profit of glyphosate, sales of Wynca rose by 25.5% to Yuan 4,535 million. The net profit attributable to stockholders of listed company reached Yuan 7.7 million, the company succeeded in turning the dip in the third quarter.

Wynca is a national leading glyphosate technical producer. The company reports China’s agrochemical sales ratings on several consecutive years. In AgroChemEx 2012, the company won the Responsible Care Award once again.

Yangnong sales boosts in Q3

Yangnong sales went up by 23% to Yuan 1,712 million in the first nine months over Yuan 1,392 million on the same period last year. Company’s operating profit and total profit maintained growth, reached Yuan 170 million and Yuan 166 million, up 29.8% and 28.0%, respectively.

In third quarter, sales of the company grew up by 28.8% to Yuan 480 million over the same period last year. Company’s operating profit and total profit reached Yuan 40.52 million and Yuan 37.13 million, respectively.

The company said, company’s main products include pyrethroid insecticides and herbicide glyphosate. Higher benefit and gross margin of company was driven by a increase in insecticide applications due to higher incidences of pest this year and improvement of glyphosate market from the start of this year.

Lanfeng sales dipped 12.9% in Q3

Lanfeng Biochemical sales dipped 12.9% to Yuan 296 million in the third quarter of 2012. The net profit attributable to shareholders of listed companies reached Yuan 3.97 million, slumped by 82.2%.

For first nine months, sales reached Yuan 924 million, down by 0.8% and net profit attributable to shareholders of listed companies reached Yuan 41.59 million, dipped by 44.7%. The company said, due to lower incidences of diseases, domestic demand for fungicides fell; because concerns were raised after reports from the United States that authorities had suspended some imports after trace amounts of carbendazim were found in orange juice imported from Brazil, demand for carbendazim, which is Lanfeng’s main product, fell considerably. Which lead to insufficient operating rate, increasing stock and lower price, although price of raw material fell, company’s gross margin still reduced.

It is expected to see profit between Yuan 41.73 million to Yuan 83.46 million attributable to shareholders of listed companies this year, down 50%~0%.

Huifeng sales boost 65% in the first nine months

In the third quarter, sales of Jiangsu Huifeng Agrochemical CO., Ltd. grew by 39% to Yuan 367 million. The net profit attributable to shareholders of listed company grew by 74% to Yuan 28.66 million.

During the first nine months, the company promoted the market development, and merged the chemical companies, which make sales grow by 65.5% to Yuan 108.1 million and the net profit attributable to shareholders of listed company grow by 47.9% to Yuan 77.9 million.

The company expects to see the net profit of Yuan 99.75 million to Yuan 112.22 million attributable to shareholders of listed company, up 60% to 80%.

Changqing’s pesticide sales up in Q3

In first nine months, Changqing sales went up by 34% to Yuan 970 million over Yuan 723 million on the same period last year.

The net profit attributable to shareholders of listed company grew by 45.5% to Yuan 129 million.

Sales of Changqing was up by 37.55% in the third quarter compared with the same period last year to Yuan 316 million. The net profit attributable to shareholders of listed company jumped by 102.36% to Yuan 50.3 million.

The company notes, growth came from positive planting season in China, higher demand for company’s main insecticide products and higher sales of subsidiaries. While operating costs rose by 31.7% along with the scale-up of distribution.

Changqing expects to see the net profit of Yuan 148-182 million attributable to shareholders of listed company in 2012, up 30-60% over that of Yuan 113 million in 2011.

Lier sales up 34% in the first nine months

Lier sales grew by 25.8% to Yuan 268 million in the 3rd quarter. The net profit attributable to shareholders of listed companies reached Yuan 25.2 million, with an increase of 135%.

For the first nine months, company sales grew by 34% to Yuan 874 million. The net profit attributable to shareholders of listed companies reached Yuan 70 million, up 29%.

Lier Chemical is mainly engage in R&D, production and sale of chloropyridine herbicide. Recently, company has been awarded two government subsidies of Yuan 7.5 million and Yuan 3 million for two ongoing projects, upgrade equipment for a 600 tonnes/a production facility for the herbicide, glyphosate-ammonium and the construction of a pyridine pesticide wastewater treatment plant. Company said, company’s main products sold well due to the higher demand, and company upgraded its main products manufacturing plants, lead to improvement of production efficiency , enhancement of supply ability, as to sales quite risen considerably.

The company expects to see the net profit of Yuan 83.54 million to 104.43 million attributable to shareholders of listed companies.

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About agrochemical show: www.agrochemex.net
HuaPont Pharm acquires 58% stake in Qingfeng Agro-Chemical

Chongqing HuaPont Pharm. Co., Ltd. entered into a State-Owned Stock Transfer Agreement with Hangzhou Industrial Assets Management Investment Group Co., Ltd. in early September, where HuaPont Pharm acquired 58.26% stake in Hangzhou Qingfeng Agro-Chemical Co., Ltd. at a cost of Yuan 58.06 million.

The acquisition will enable HuaPont Pharm to utilize the resources of Qingfeng Agro-Chemical and move directly into the agro-chemical formulation production and marketing sector, which will further diversify its product range and pave the way for cooperation with world class agro-chemical industry players.

Qingfeng Agro-Chemical was founded in 1956. It is a pesticide based state-owned company and the biggest-scale company in Zhejiang. It has a registered capital of Yuan 54.68 million, mainly covering production of pesticide technical and formulation such as alachlor, acetochlor, propachlor, butachlor, metolachlor, propisochlor and prochlorizone; its brand names include "Qingfeng", "Caoshate" and "Caoshan", etc. Up to 31 December 2011, total assets of Qingfeng Agro-Chemical reached Yuan 555 million; in 2011 sales income reached Yuan 365 million at a loss of Yuan 51 million.

Following the acquisition of Qingfeng Agro-Chemical, HuaPont Pharm is prepared to carry out technical renovation, process upgrade and marketing consolidation to erase the loss situation step by step and endeavor to achieve profitability in 2013.

Apart from Chinese domestic market, HuaPont Pharm is meanwhile growing its presence in overseas market and plans to invest in an enterprise in North America in the near future.

30% hexaconazole WDG approved registration

Recently, Shenniu Thompson Biotechnology Co., Ltd. approved the registration of 30% hexaconazole WDG product.

Before, Shenniu Melbang Pesticide Co., Ltd. and Beijing Yoluo Pesticide Co., Ltd. approved the registration of 50% hexaconazole WDG product, Jiangsu Suke Agrochemical Co., Ltd. approved the registration of 40% hexaconazole WDG product.

China approved Cyantraniliprole product temporarily

Recently, DuPont’s product, cyantraniliprole technical and formulation, 10% DOF approved the registration temporarily in China. It can control Liriomyza sativae Blanchard on shallot, beet armyworm, chrysomelids, aphid, plattella xylostella, prosenion litura and cabbage caterpillar.

Cyantraniliprole, which is discovered by DuPont, is a second-generation antranilic diamide insecticide after chlorantraniliprole. Antranilic diamides have a unique mode of action that involves activating nyamone receptors (RyRs), which play a critical role in muscle function. Cyantraniliprole binds to the RyRs, causing uncontrolled release and depletion of calcium from muscle cells, thus preventing further muscle contraction and ultimately leading to death. Cyantraniliprole is a reduced-risk insecticide, with a very low toxicity to vertebrates and non-target organisms. It has excellent root systemic and transaminator activity against a broad spectrum of sucking and chewing insects. The first generation antranilic diamide insecticide, chlorantraniliprole, has shown promising results in the management of lepidopteran, hemipteran and coleopteran pests.

Anpon Electrochemical approved the registration of Pyrimetone technical

Recently, Jiangsu Anpon became the third domestic company which approved the registration of Pyrimetone technical. Except for Syngenta, Shenyang Scienceand Chemical Co., Ltd. and Nantong Shihuang Chemical held the registration. Pyrimetone is a nonselective herbicide but its site of action in the nervous system is unknown. Based on previous studies of symptoms in the locust, the feedback loop controlling the femoral–tibia joint of the middle leg was chosen to examine possible targets of the insecticide. The femoral chordotonal organ, which monitors joint position and movement, turned out to be the primary site of pymeetone action, while interneurons, motoneurons and central motor control circuitry in general did not noticeably respond to the insecticide.

It can control aphids and whitely in vegetables, potatoes, ornamentals, cotton, deciduous and citrus fruit, tobacco, hops; both juvenile and adult stages are susceptible. Also control of plant hoppers in rice.

Nicosulfuron registration OKs rise in China

Recently, Shangyu NutriChem Finechemical Co., Ltd. approved the registration of nicosulfuron following other 39 companies, which is the first company approved the nicosulfuron registration so far this year.

Up to now, total 13 companies in Jiangsu, 5 companies in Anhui, 4 companies in each province of Shandong, Henan, Hebei and Zhejiang, 2 companies in Tianjin and 1 company in each province of Liaoning, Jiangxi and Hubei.

More registration of azoxystrobin technical in China

In October, some 6 companies approved the registration of azoxystrobin technical in China by ICAMA, including Jiangsu Weunite Fine Chemical Co., Ltd., Hebei Veyong Biochemical Co., Ltd., Xinyi Taisong Chemical Co., Ltd., Hebei Veyong Biochemical Co., Ltd., Hebei Veyong Biochemical Co., Ltd., Shandong Sino-agri United Chemical, Ltd., Nantong CAC Chemical Co., Ltd., Nanjing Redsun Group. So far, some 13 companies have azoxystrobin technical approval.

In the first nine months of 2012, some 7 companies approved the registration of azoxystrobin technical, including Sichuan Lier Chemical Co., Ltd., Zhejiang BOSS Cropscience Co., Ltd., Jiangsu Fendieng Pesticide Co., Ltd., Jiangsu Greenise Chemical Co., Ltd., Jiangsu Flag Chemical Industry Co., Ltd., Lumin Chemical Co., Ltd. while, three companies, Shanghai Heben, Shangyu NutriChem Finechemical Co., Ltd. and Taizhou Baili Chemical Co., Ltd. approved the registration in last year. So total 16 companies have the registration license, and more companies are actively engaged in registration, which spurs fierce competition.
China Pesticide Industry Awards

In October 2012, China Pesticide Industry Awards curtain raised in Shanghai. China Pesticide Industry Awards sponsored by the China Crop Protection Industry Association. Three awards, including Marketing Award, Technology Innovation Award and Responsibility Care Award were set up. The awards will be held and designed to encourage innovation per year.

In recent years, Chinese agricultural enterprises have vividly grasped the essence of the expression. The market decides the destiny of the enterprise. Due to ups and downs of glyphosate market, domestic market has slumped for several years. A slacky market coupled with excess capacity led to vicious competition, in which companies struggled to survive. In this context, several companies come to the fore and develop into the market leader.

Ningbo TIDE Imp. & Exp. Co., Ltd., Shandong Sino-agri United Biotechnology Co., Ltd. and Limin Chemical Co., Ltd. obtained Marketing Award 2012. In the past 10 years, through localized operations, Ningbo TIDE successfully entered the U.S. market, and became only the member of the CropLife America and CPA from China. TIDE has made 54 EPA registration certificate, and has their own patented products. Company’s brand TIDE also has entered deeply into the U.S. agrochemical market and has highly adoption for U.S. end users.

Shandong Sino-agri United Biotechnology Co., Ltd. is a professional neonicotinoids enterprise. The company has established an integrate distribution network in the domestic market, with 360 primary dealers and 1083 sub-distributors for technical support to end users in 26 regions. For overseas, company has been carrying out the registration in a number of countries in the products and the products are exported to Southeast Asia, Africa, the Middle East and other regions.

Limin Chemical is a professional fungicide enterprise, but also the world’s largest mancozeb producer. In 2012, company has made 128 global registrations, covering more than 80 countries and regions in five continents. Limin has become a stable supplier to Bayer (propineb, pyrimethanil and phosethyl-al), Syngenta (mancozeb) and Helm (phosethyl-al).

Technological innovation is an inexhaustible motive for enterprise development and the basic foundation of enterprises. At present, China is still heavily relying on universities and research institutes for technology innovation. But R & D, development of homegrown proprietary products, is the future direction within a period of time, and is the only way for the survival and growing of enterprises. Yangzong Chemical, Mr. Song Bao’an, Vice-Chancellor of Guizhou University and three cooperative enterprises, Jiangsu Sevencontinent Green Chemical, Zhejiang Hisun Chemical and Shanghai Pesticide Research Institute won the Technology Innovation Award 2012.

Professor Song Bao’an, Vice-Chancellor of Guizhou University is the only individual to win the award. Professor Song Bao’an, Ph.D., Vice-Chancellor of Guizhou University, serves as the director of the Key Laboratory of Green Pesticide and Agricultural Bioengineering, China Society of Plant Protection and Chinese Chemical Society. Besides, he holds the position of Science and Technology division Committee of Ministry of Education and deputy director of pesticide division of the Chinese Chemical Society. In 2009, he won the Award for outstanding contributions for China Pesticide Industry.

Professor Song Bao’an has engaged in the research and development of novel pesticide discovery and engineering, pest control and fine chemical for a long time. He discovered the high efficient antiphytoviral agent, successfully discovered a new series of antiviral agents with resistant-disease immune activator and industrialized. As China’s largest pyrethroids manufacturer, Jiangsu Yangnong Agricultural Co., Ltd. has been devoting to R & D activities, with more than 10 new pyrethroid products and intermediates discovered and 70 patent applications submitted in 3 years.

Cooperation between Shanghai Pesticide Research Institute, Zhejiang Hisun Chemicals and Jiangsu Sevencontinent Green Chemicals developed a new process technology of WDG and WP, which reduce the pollution of the environment considerably, energy consumption, labor intensity and increase the profits. Responsible Care is the binding duty of chemical companies. It is not only the right path towards achieving international standards, but also the action to establish a good image of the park and industry and promotion of social harmony and sustainable development.

Responsible Care Award was awarded to Wincy, Changqing and Bayer (China), in recognition of their remarkable achievement in the implementation of the health, safety and environment (HSE) management.

Zhejiang Wynch Chemical Group Co., Ltd. is China’s largest manufacturer of glyphosate. In 2011, sales of glyphosate segment reached Yuan 2,140 million, ranking first of China agricultural industry for consecutive years. The Company focuses on technology innovation and has applied for 106 patents, 54 of which have been authorized by the end of April 2011, of which 47 patents related to glyphosate, topping itself in the ranking list of Chinese enterprises.

Through chlorine-recycling technology, the company effectively reduces the emissions of chlorinated water. After cessation of marketing for glyphosate 10% AS, Wynch quickly re-oriented itself to the market and developed phosphorus-recycling technology for the utilization of mother liquor to reduce the environmental pollution. These innovations, in particular the promotion of technological innovation glyphosate, generated great economic benefits. Meanwhile, it reflects the responsible care. Therefore, Wynch won well-deserved China Pesticide Industry Responsible Care awards.
In 2011, China’s pesticide industry maintained a steady growth in face of dramatic price rise for raw materials, the appreciation of RMB and rising labor costs. Among them, pesticide production has maintained double-digit growth, with an increase of 21.4%, which is higher than the average level of China’s industrial economic development; Sales grew by 28.5%, which is higher than the output growth; Export rose by 29.9%, while export value climbed up 36% due to the higher export price; the growth of import price is rapid than that of import volume; Total profit grew by 21.4% to Yuan 12.6 billion, its growth is roughly similar compared with output growth; however, the margin is still very low, only 5.1%; The export of formulations is greater than the technicals for the first time. In this situation, larger domestic companies did well. In term of statistics and analysis, CCPIA issued the list of 2011 Top 100 pesticide companies.

For the performance of Top 100 in 2011, the threshold of Top 100 sustained uplift, which reflects the enhancement of enterprises’ strength. Sales of ranked 100th grew up 17.6% to Yuan 200 million in 2011 over Yuan 179 million in 2010. A total sale of Top 100 enterprises grew up 24.5% to Yuan 61.86 billion in 2011 over Yuan 49.7 billion in 2010, which shows that large enterprises play the increasingly important role in the economic and industrial structure adjustment and reflects the higher demand for pesticide.

## ACE conference Special

### CCPIA issued list of Top 100 pesticide enterprises in AgroChemEx2012

In 2011, China’s pesticide industry maintained a steady growth in face of dramatic price rise for raw materials, the appreciation of RMB and rising labor costs. Among them, pesticide production has maintained double-digit growth, with an increase of 21.4%, which is higher than the average level of China’s industrial economic development; Sales grew by 28.5%, which is higher than the output growth; Export rose by 29.9%, while export value climbed up 36% due to the higher export price; the growth of import price is rapid than that of import volume; Total profit grew by 21.4% to Yuan 12.6 billion, its growth is roughly similar compared with output growth; however, the margin is still very low, only 5.1%; The export of formulations is greater than the technicals for the first time. In this situation, larger domestic companies did well. In term of statistics and analysis, CCPIA issued the list of 2011 Top 100 pesticide companies.

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<table>
<thead>
<tr>
<th>Rank</th>
<th>Company Name</th>
<th>Sales (Yuan million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Zhejiang Winca Chemical</td>
<td>2,140</td>
</tr>
<tr>
<td>2</td>
<td>Jiangsu Yangong Chemical</td>
<td>1,850</td>
</tr>
<tr>
<td>3</td>
<td>Hubai Sanode Group</td>
<td>1,700</td>
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<tr>
<td>4</td>
<td>Jiangxi Jinhua Chemical</td>
<td>1,640</td>
</tr>
<tr>
<td>5</td>
<td>Shenzhen Nopason Chemical</td>
<td>1,530</td>
</tr>
<tr>
<td>6</td>
<td>Shandong Benlong Technology Co., Ltd.</td>
<td>1,520</td>
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<tr>
<td>7</td>
<td>Shandong Jianshan Chemical</td>
<td>1,490</td>
</tr>
<tr>
<td>8</td>
<td>Jiangsu Longtuo Chemical</td>
<td>1,380</td>
</tr>
<tr>
<td>9</td>
<td>Nanjing Redsun Group</td>
<td>1,290</td>
</tr>
<tr>
<td>10</td>
<td>Jiangsu Yangong Chemical</td>
<td>1,230</td>
</tr>
<tr>
<td>11</td>
<td>Shandong Wening Rainbow Chemical Co., Ltd.</td>
<td>1,190</td>
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<tr>
<td>12</td>
<td>Jiangsu Kwin Group Co., Ltd.</td>
<td>1,160</td>
</tr>
<tr>
<td>13</td>
<td>Shandong Qiaofang Chemical Co., Ltd.</td>
<td>1,130</td>
</tr>
<tr>
<td>14</td>
<td>Jiangsu Changtong Chemicals Co., Ltd.</td>
<td>1,120</td>
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<tr>
<td>15</td>
<td>Jiangsu Hufeng Agrochemical Co., Ltd.</td>
<td>1,040</td>
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<tr>
<td>16</td>
<td>Fuhua Tong-da Agro-chemical Co., Ltd.</td>
<td>1,030</td>
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<tr>
<td>17</td>
<td>Jiangsu Changyong Agrochemical Co., Ltd.</td>
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<tr>
<td>18</td>
<td>Zhejiang Lai Chemical Co., Ltd.</td>
<td>930</td>
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<tr>
<td>19</td>
<td>Hunan Haley Chemical Co., Ltd.</td>
<td>850</td>
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<tr>
<td>20</td>
<td>Anhill Guanqun Agrochemical Co., Ltd.</td>
<td>850</td>
</tr>
<tr>
<td>21</td>
<td>Jiangsu Lanfeng Biochemical Co., Ltd.</td>
<td>850</td>
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<tr>
<td>22</td>
<td>Anhill Huiqin Chemical Co., Ltd.</td>
<td>840</td>
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<tr>
<td>23</td>
<td>Zhejiang Sui chemistry Ltd.</td>
<td>810</td>
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<tr>
<td>24</td>
<td>Jiangsu Rotam Chemistry Co., Ltd.</td>
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<tr>
<td>25</td>
<td>Good Harvest-venet Agrochemical Co., Ltd.</td>
<td>800</td>
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<tr>
<td>26</td>
<td>Syngenta Suthou Crop Protection Co., Ltd.</td>
<td>770</td>
</tr>
<tr>
<td>27</td>
<td>Jiangsu Sevencontinent Green Chemical Co., Ltd.</td>
<td>740</td>
</tr>
<tr>
<td>28</td>
<td>Syngenta Nantong Crop Protection Co., Ltd.</td>
<td>740</td>
</tr>
<tr>
<td>29</td>
<td>Jiangsu Tianrong Group Co., Ltd.</td>
<td>740</td>
</tr>
<tr>
<td>30</td>
<td>Haili Pesticides and Chemicals Group Co., Ltd.</td>
<td>730</td>
</tr>
<tr>
<td>31</td>
<td>Qingdao Hansen Biologic Science Co., Ltd.</td>
<td>730</td>
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<tr>
<td>32</td>
<td>Shandong Weimei Greenland Chemical Co., Ltd.</td>
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<td>33</td>
<td>Shangyi Nutrichem Finechemical Co., Ltd.</td>
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<tr>
<td>34</td>
<td>Jiangsu Yegong Chemical Group Co., Ltd.</td>
<td>680</td>
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<tr>
<td>35</td>
<td>Shandong Shenghua Biol Biochemistry Co., Ltd.</td>
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<tr>
<td>36</td>
<td>Jiangsu Yixing Agrochemicals Co., Ltd.</td>
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<tr>
<td>37</td>
<td>Jiangxi Zhihong Chemical Co., Ltd.</td>
<td>580</td>
</tr>
<tr>
<td>38</td>
<td>Jiangxi Lanying Chemical Co., Ltd.</td>
<td>580</td>
</tr>
<tr>
<td>39</td>
<td>Shandong Agrochemicals Technology Co., Ltd.</td>
<td>560</td>
</tr>
</tbody>
</table>
Besides, the concentration of the pesticide industry increased. By 2011, the total sales revenue of top 100 enterprises accounted for over half of the total sales of the industry; total record 16 enterprises, of which sales exceeded Yuan 10 billion, more than 10 in 2010.

The agrochemical market bounces back this year. Along with companies paying more attention to R&D and M&A, the industry is improving its standards during this structural adjustment and development mode transformative period.

![Figure 2. Top 100 enterprises provinces profile](image)

Table 2. Top 100 companies’ distribution

<table>
<thead>
<tr>
<th>Province</th>
<th>No. of Top 100</th>
<th>Sales (Yuan billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jiangsu</td>
<td>18</td>
<td>24.88</td>
</tr>
<tr>
<td>Zhejiang</td>
<td>18</td>
<td>18.82</td>
</tr>
<tr>
<td>Shandong</td>
<td>16</td>
<td>10.07</td>
</tr>
<tr>
<td>Anhui</td>
<td>4</td>
<td>2.75</td>
</tr>
<tr>
<td>Henan</td>
<td>3</td>
<td>2.16</td>
</tr>
<tr>
<td>Hunan</td>
<td>2</td>
<td>2.23</td>
</tr>
<tr>
<td>Shandong</td>
<td>2</td>
<td>2.93</td>
</tr>
<tr>
<td>Jiangxi</td>
<td>2</td>
<td>2.06</td>
</tr>
<tr>
<td>Guangxi</td>
<td>2</td>
<td>1.30</td>
</tr>
<tr>
<td>Jiangsu</td>
<td>2</td>
<td>0.86</td>
</tr>
<tr>
<td>Shanghai</td>
<td>3</td>
<td>0.80</td>
</tr>
<tr>
<td>Hebei</td>
<td>2</td>
<td>0.93</td>
</tr>
<tr>
<td>Shaanxi</td>
<td>2</td>
<td>0.46</td>
</tr>
<tr>
<td>Henan</td>
<td>1</td>
<td>0.30</td>
</tr>
</tbody>
</table>

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ACE conference Special

Feeding the people of the 21st century is at the top of the agenda in agriculture, food production and distribution. Achieving this goal will require a 70% increase in the global food production over the next 40 years, and as a result, the market for crop protection products is set to increase significantly.

In Dr. Claude Lambert’s presentation, he showed how Bayer CropScience has been one of the leaders in the development of crop protection solutions.

The company has invested over €5 billion in research and development since 2011, and has been able to grow its sales to over €8.5 billion in 2011, making it the largest agrochemical company in the world.

Bayer CropScience has a strong international network and provides a wide range of products and services to its customers. The company is committed to helping farmers achieve higher yields and more sustainable farming practices.

As a big agricultural country, Brazil is also the largest pesticide consumer. In 2010 and 2011, the sales of pesticide in Brazil reached €7,200 million and €8,500 million, respectively. In Latin America, the largest agrochemical company is MAI, which is the largest pesticide consumer in the region.

In the next decade, the market for crop protection products is expected to increase by 13% to €609.3 million. So Latin America is one of the most important markets for MAI.

Some of the main drivers for the growth of the crop protection market are the following:

1. Increases in global population and income levels
2. Higher demand for food due to population growth
3. Increasing demand for biofuels
4. Government support for agricultural development
5. Increasing use of biotechnology

As a result of these factors, the crop protection market is expected to grow at a CAGR of 5% from 2010 to 2015, reaching a total value of €8.5 billion in 2015.

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The company has invested over €5 billion in research and development since 2011, and has been able to grow its sales to over €8.5 billion in 2011, making it the largest agrochemical company in the world.

Bayer CropScience has a strong international network and provides a wide range of products and services to its customers. The company is committed to helping farmers achieve higher yields and more sustainable farming practices.

As a big agricultural country, Brazil is also the largest pesticide consumer. In 2010 and 2011, the sales of pesticide in Brazil reached €7,200 million and €8,500 million, respectively. In Latin America, the largest agrochemical company is MAI, which is the largest pesticide consumer in the region.

In the next decade, the market for crop protection products is expected to increase by 13% to €609.3 million. So Latin America is one of the most important markets for MAI.

Some of the main drivers for the growth of the crop protection market are the following:

1. Increases in global population and income levels
2. Higher demand for food due to population growth
3. Increasing demand for biofuels
4. Government support for agricultural development
5. Increasing use of biotechnology

As a result of these factors, the crop protection market is expected to grow at a CAGR of 5% from 2010 to 2015, reaching a total value of €8.5 billion in 2015.
In your career, any cross-contamination accident happened? If so, which one impressed you most? How about the loss?

Yes there have been incidents, all of which leave an impression though some more than others and rather than cover every single one I will recount it here. However this incident was well documented this one is I will not name the company. It was the DuPont incident and given how significant financially it was it could occur due to someone not just myself, with no doubt about how significant it was for the company and the people involved. Yes there have been incidents, all of which leave an impression though some more than others and rather than cover every single one I will recount it here. However this incident was well documented this one is I will not name the company. It was the DuPont incident and given how significant financially it was it could occur due to someone not just myself, with no doubt about how significant it was for the company and the people involved.

As I know, in 6 multinational companies, BASF is the only one that is not a seed giant yet. I would like to ask you what your company plan is for the future in the seed?

Our strategy with respect to “seed” is somewhat different to our competitors in the we have established ourselves as a “trait provider” actively developing desirable traits on the basis of which we develop our proprietary traits and commercialise with selected partners. An example of this is our current agreement with Monsanto.

According to the consultant, over the past 15 years, BASF introduced 20 novel varieties of soybean. How would you assess the role that biologics and seed treatment application will play and our it is our interest to extend it also with these technologies. This is underlined with our intentions with respect to Becker Underwood which has a strong presence in both technologies.

BASF sees chemical crop protection remaining the dominant technology in Crop Protection in the foreseeable future. However, we recognize the importance of biologicals in that context and we are actively developing our own biologicals, which have been successful in several countries. The combination of chemical and biological technologies is the key to sustainable crop production.

Dr. Martin Clark
Former Global Director of Environmental Health Safety and Quality for Dow AgroSciences

Everyone involved with the agricultural chemical industry should be aware of, and very concerned by, the risk related to the potential for cross-contamination of plant protection products. Everyone should be aware of the best practices for design and operation necessary to avoid such contamination, but more than everyone from senior managers to the shop floor, must we aware of the culture and commitment necessary for these best practices to be effective.

I think that the big companies can bring additional resources to the discovery and development of biological products and also provide the opportunity to achieve a greater market coverage through their large sales force presence. BASF has been active in biologicals during the biologically sensitive number of years. In 1996, BASF established a research institute in Brazil and has since been involved in several projects related to biologicals. BASF has also established partnerships with several biological companies to develop and commercialize new products. BASF is committed to the development of biological products and is actively working to increase its presence in this field.

scale-up setting. This milestone is an indicator of the company’s commitment to producing Enlist Duo™ herbicide, which will be a highly differentiated herbicide solution for its Enlist™ Weed Control System. Once all regulatory approvals have been obtained, Enlist AgroSciences will introduce the new product to the market.

Dr. Martin Clark, former Global Director of Environmental Health Safety and Quality for Dow AgroSciences:

The introduction of glyphosate-resistant crops in 1996 transformed modern agriculture and provided growers with an effective, economical and convenient cropping solution.Glyphosate-resistant crops are still the most widely grown in the world, and have revolutionized the way crops are grown, making it possible to use a single herbicide to control a wide range of weeds. However, the rapid increase in the use of glyphosate-resistant crops has led to the development of glyphosate-tolerant weeds, which poses a significant challenge to modern agriculture.

To meet this challenge, Dow AgroSciences has developed the Enlist™ Weed Control System, which combines a diverse portfolio of herbicides and technologies that are specific to a wide range of crops and crops. The system is designed to control weeds that are tolerant to glyphosate, while also providing control of other broadleaf and grass weeds.

The Enlist™ Weed Control System is based on the active ingredient imidacloprid, which is a systemic insecticide that is effective against a wide range of insect pests, including weeds. The system also includes modes of action that are specific to different crops and growing conditions, allowing for effective control of weeds in a variety of environments.

The Enlist™ Weed Control System has been proven effective in controlling weeds in a wide range of crops, including corn, soybean, sorghum, and cotton. The system is designed to reduce the risk of herbicide resistance and to provide growers with a flexible and effective tool for managing weeds in their fields.

In conclusion, the Enlist™ Weed Control System offers a comprehensive solution for managing weeds in modern agriculture, providing growers with the tools they need to protect their crops and their livelihoods. The system is designed to provide effective control of weeds, while also minimizing the risk of herbicide resistance and environmental impacts. Dow AgroSciences is committed to developing and providing innovative solutions for growers to help them manage weeds effectively, while also protecting the environment and the long-term sustainability of agriculture.

The Enlist™ Weed Control System is one of the most innovative and effective weed management systems available today. It combines a diverse portfolio of active ingredients and modes of action, providing growers with a flexible and effective tool for managing weeds in their fields. The system is designed to reduce the risk of herbicide resistance and to provide growers with the tools they need to protect their crops and their livelihoods.

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target movement through volatilization. While this evolution has substantially reduced damage to sensitive crop and non-target plant species, proper use of non-target population. The European Commission has decided not to re-register acetylene in December 2011. The EPA research data was formed to fulfill the data requirements of the United States Environmental Protection Agency (EPA) and the Health Canada Pest Management Regulatory Agency (PRMAs). Its role is to fund a new research and provide information to each agency as required by their respective pesticide re-registration and re-registration/registration and regulatory compliance issues at both EU and national levels. Task Force and consortia formation, product defense strategies, data sharing, compensation and related arbitration proceedings across the EU, as well as related antitrust issues. He has also extensive experience in litigation before European and national courts regarding product approvals and court cases in charge of the entire legal matters regarding their commercial agreements in Europe. It is said that China banned the acetylene. Could you introduce the new regulations execution progress? How long does it take to registration? We have a successful track record of introducing new pesticides in these jurisdictions and are well positioned to assist the Chinese industry in this respect. Could you introduce some one? Engro Agro in both USA and Canada is interested in working with any new technology introductions. Additional suppliers of non-differentiated off-patent products is not so easy as the market is already very crowded with low margins. Many companies per molecule or per formulation, they are squeezing by the overseas customers on price, leaving them with miserable profit margins and a non-sustainable business model.
Many research institutes and about 40 innovative pesticides developed in China until now, why did your company choose ECUST and SSPS as partners?

I have not met or talked to many companies in China yet that would possibly include those you mentioned. I would certainly like to meet them in the near future and to hear about their products.

The reason that FMC signed exclusive technology license and collaboration.

ECUST has a dynamic and innovative team, FMC is famous for its marketing in the world, SSPS is one of the most dynamic high-tech pesticide companies. The alliance established by these three powerful units is an innovation action in the global plants protection field.

This whole new model of cooperation is bound to influence the development of crop protection business in China and the rest of the world, and will further stimulate more enthusiasm in the R&D. After the establishment of the alliance, these three units will play their respective advantages in the future process of cooperation and contribute to the global crop protection and food security.

Will your company cooperate with more Chinese companies in the future? If it is, in what areas your company plan to cooperate with Chinese company?

Absolutely, that is the reason FMC is here. We are interested in many areas, such as new businesses, new market opportunities, new molecules, novel technologies, biological testing, manufacturing, formulation, AI (active ingredient) sourcing, etc.

How many tons of products do you plan to purchase technical pesticide, raw material and intermediate from China, and this show provides me with the best platform.

“Very interesting event to know the Chinese market and a good opportunity to meet potential customers.”

Sanjay Upadhyay, India

“A very interesting event to know the Chinese market and a good opportunity to meet potential customers.”

Dr. Can Attila, Turkey

“I am very happy to find a good company. They have very good understanding to our market and our requirement. They are really very professional. We have started to discuss a long-term cooperation.”

Fabi Domingues, Brazil

“We are from Poland, we do the pesticide formulations. This is the second time I came to this exhibition. More and more Chinese company can provide the supporting in registration in our country. That is good.”

Hubert Galy, Poland

“I come to this exhibition every year, to meet some old and new friends, as well as to learn the new changes of China pesticide industry. It is good to meet all the friends in one place, AgroChemEx help us save money and time.”

Prasert Chaengkittichai, Thailand

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