

SEP 2014

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CHINA ***AGROCHEMICALS***



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AgroChemEx 2014

2014, October 28-31
Shanghai World Expo Exhibition & Convention Center

Meet the Competitive Companies in the Right Place at the Right Time

AgroChemEx (ACE) is an annual agrochemical exhibition and symposium organized by China Crop Protection Industry Association (CCPIA). With a focus on becoming an international platform for the agrochemical business in China, ACE attracted more and more pesticide enterprises and purchasers. AgroChemEx 2014 will be held during 28th to 31st of October in its new venue Shanghai World Expo Exhibition Center. With some 700 companies exhibiting over an area of 26,000 square metres, AgroChemEx tradeshow is frequented by over 10,000 professional buyers. Totally 12,000 visitors from 78 countries attended ACE2013, more than 500 exhibitors are pesticide & related companies.



Opening Ceremony of AgroChemEx 2013

Why attend

You can have opportunity to talk with the decision-makers of enterprises;
You can find the ideal supplier easily through our Procurement Matchmaking Program and Buyers Guide.

You can share the successful experiences of procurement/sourcing in China.

Symposia

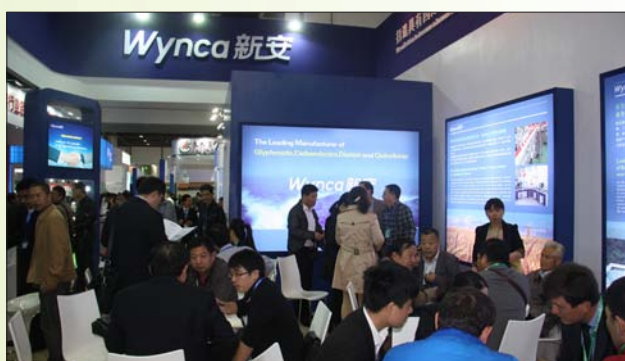
The conference "9th International Forum on Crop Protection", "9th China International Forum on Procurement and Service of pesticides", "2014 Agrochemical Industry Summit", "New products promotion session", "Awards ceremony in 2014 China agrochemical industry" run concurrently with AgroChemEx 2014.



Mr. Li Yongwu Communicating with exhibitors



Exhibition Site



Exhibition Site



Exhibition Site



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AgroChemEx 2014

October 28th – 31st, 2014
Shanghai, China

GENERAL INFORMATION

Time	Address	Meeting
Time: 9:10-17:10, 2014-10-28	Sheraton Shanghai Hotel & Residences	2014 National Agrochemical Exchange Meeting
Time: 09:00-17:30, 2014-10-29	Sheraton Shanghai Hotel & Residences	2014 International Conference on Crop Protection—Sponsored by Jiangshan
Time: 09:00-17:00, 2014-10-29	Sheraton Shanghai Hotel & Residences	2014 China International Forum on Procurement and Service of Pesticides—Sponsored by Trustchem (Simultaneous Interpretation)
Time: 09:00-12:00, 2014-10-30	Meeting Room 1, Shanghai World Expo Exhibition Convention Center	2014 China Agrochemical Industry Summit—Sponsored By Fuhua Tongda
Time: 09:00-12:10, 2014-10-30	Sheraton Shanghai Hotel & Residences	2014 China Agrochemical New Product and Technology Conference
Time: 13:00-17:00, 2014-10-30	Sheraton Shanghai Hotel & Residences	2014 BASF-China Agriculture Development Forum

2014 International Conference on Crop Protection—Sponsored by Jiangshan

Time: 09:00-17:30, 2014-10-29

Address: Sheraton Shanghai Hotel & Residences

Time	Host	Topic	Presenter
09:10-09:50	Mr. Cao Chengyu Deputy Secretary of CCPIA	Global Agrochemical Industry Development: Opportunities & Challenges for China Agrochemicals	Du Hui. Dow AgroSciences
09:50-10:30		Re-evaluation Work on Pesticide Industry in China	Zong Fulin. Director of ICAMA Re-evaluation Dept.
10:30-10:40		Coffee Break	
10:40-11:20		Key Issues in the Process from Lab to Plant	Ling Yun. China Agricultural University
11:20-12:00		Bayer Integrated Solutions of Crop Protection	Cynthia Wei. Bayer CropScience
14:00-14:40	Mr. Yang Guangliang Deputy Secretary of CCPIA	Application of Information Technology on Agriculture	Yangjian. Vice-general manager of Huapont Nutrichem
14:40-15:20		How to Build up A High-efficiency Intellectualized Pesticide Formulation Plant	Qi Wu. Director of Intelligence & Consultant Dept. of CCPIA
15:20-15:30		Coffee Break	
15:30-16:10		Application and R&D of Herbicide Saflufenacil	Lu Yuejian. BASF
16:10-16:50		Crop Protection Machinery and Pesticide Formulation Application Technology	He Xiongkui. China Agricultural University
16:50-17:30		Treatment Process and Utilization of Waste Salt Generated from Pesticide Production	Li Zhiqing. Rainbow



2013 China International Forum on Procurement and Service of Pesticides



2013 National Agrochemical Exchange Meeting- Award Ceremony of the Sixth China Pesticide Innovation Award



The 2nd Seminar on HSE of China Pesticide Industry

2014 China International Forum on Procurement and Service of Pesticides—
Sponsored by Trustchem

(Simultaneous Interpretation)

Time:09:00-17:00, 2014-10-29			
Address:Sheraton Shanghai Hotel & Residences			
Time	Host	Topic	Presenter
09:00-09:40	Shirley Xia Deputy Secretary of CCPIA	Seen from 2014 Export and Import Trends to tell Development of Global Agrochemical Market	Zhang Wenjun. Director of ICAMA International Exchange and Service Dept.
09:40-10:20		Analysis on China Major Pesticides' Global Market	Zhang Yibin. Shanghai Pesticide Research Institute
10:20-10:30		Coffee Break	
10:30-11:10		How to be the Best Partners of International Pesticide Buyers	Zou Shujing. Bayer CropScience
11:10-11:50		Monsanto's eye on Global Glyphosate Market	James Tsung. Simbon Tech
14:00-14:40		Setting and Application of FAO Pesticide Standards	Garth Drury. Rotam
14:40-15:20		How custom manufacturing can benefit the Chinese agrochemical market	Christoph Schaffrath. Saltigo GmbH, Shanghai
14:40-15:00		Coffee Break	
15:00-15:40		Analysis on Agrochemical Market and Related Industrial Policies in Brazil	Luis Fernando Maida. Bioagri Lab
15:40-16:20		Experiences sharing of Entering into Africa Agrochemical Market	Liu Xiaohu. President of Chongqing Xiaolin Fine Chemicals
16:20-17:00		Export Challenges for China Agrochemical Industry	Stephan Schnabel. Helm AG



2013 National Agrochemical Exchange Meeting



2013 International Conference on Crop Protection



2013 China Agrochemical Industry Summit—
Sponsored By Fuhua Tongda



2013 China Agrochemical New Product and
Technology Conference

CHINA AGROCHEMICALS



SEP 2014

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Industry Association (CCPIA)

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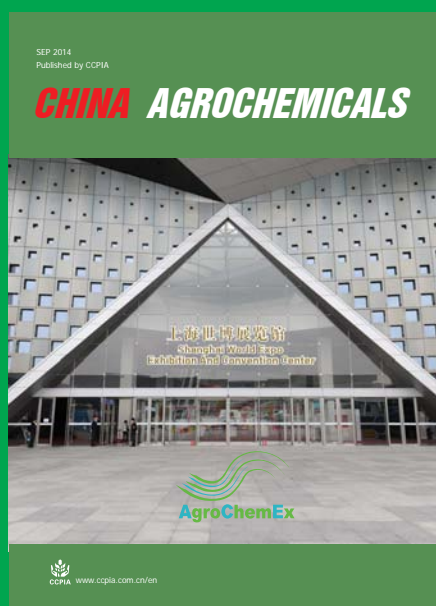
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New Progress of Glyphosate (PMIDA) Environmental Protection Scrutiny

To ensure the second round of glyphosate (PMIDA) environmental protection scrutiny going well, CCPIA published the Notice of Investigation of Environmental Protection Compliance on Glyphosate (PMIDA) Manufacturers (CCPIA Notice No. 15 of 2014) in this April, which is mainly aimed at those who are operating or intend to operate glyphosate (PMIDA). On Jun 25, CCPIA held a symposium on environmental protection scrutiny in Beijing, organizing glyphosate (PMIDA) manufacturers to attend. Afterwards, CCPIA received over 20 manufacturers' positive feedback, and the expert group carried out field investigation for the said manufacturers. They brought up their suggestions to the manufacturers on the problems that found in the investigation.

Right after the symposium, there were 18 glyphosate (PMIDA) manufacturers claimed that they would join in the second round of scrutiny. However according to the field investigation and current progress of application,

some of them may withdraw their application.

According to the schedule, to the end of September, the candidates' application materials should be submitted by provincial environmental protection departments to the MEP (Ministry of Environmental Protection). The MEP will review and supervise and to the end of December the qualified list of the second round of scrutiny will be announced.

"Since there were some problems and barriers that had not been foreseen during the first round of scrutiny, the qualified list was postponed half year. While with the accumulated theory and practice experience, the schedule of the second scrutiny will be guaranteed", said Zeng Tu, the director of Membership Dept. of CCPIA, "most important of all, the restrictions of the second scrutiny won't be reduced, high level of environmental protection requirements will be ensured so as to promote the scrutiny's effectively implementation."

MOA: Regulations on Pesticide Management (Amendment Draft) are Basically Completed and will be Issued Soon

The Ministry of Agriculture (MOA) indicated in the reply to the No.3568 Suggestion of the Second Session of the Twelfth National People's Congress that Regulations on Pesticide Management (Amendment Draft) is basically completed and will be issued soon.

In the No.3568 Suggestion, 16 representatives to the NPC made the suggestion of "accelerating the amendment of the Regulations on Pesticide Management and setting up the pesticide business license system".

The MOA indicated in the reply that the MOA started the amending work of the Regulations in 2007 and the work was advanced in an orderly fashion.

First, to conduct field research. The Legislative Affairs Office of the State Council and the MOA went to Hebei, Shandong, Guangdong and Sichuan for the field research on the amendment of the Regulations, visited pesticide manufacturers, pesticide distributors, farmers and specialized prevention organizations, and listened to suggestions on the existing problems in pesticide Management and the amendment of the Regulations.

Second, to solicit opinions from all sides. The Legislative Affairs Office of the State Council repeatedly sought relevant departments of the State Council and provincial governments for opinions, and asked the public for advice by posting the information on its official website in July 2011. In February 2012, it held the symposium of pesticide manufacturers and listened to the suggestions from pesticide manufacturers on the pesticide production permit system and especially on sub-contract production. In the meantime, it has held coordination meetings with relevant State Council departments many times to communicate and coordinate on the assignment of pesticide management responsibilities.

Third, to amend and improve the Regulations (Amendment Draft) to adapt the industry development. On the basis of in-depth research and suggestion collection, according to the feedback from relevant

departments, the Legislative Affairs Office of the State Council improved the Regulations (Amendment Draft) article by article and added contents like pesticide traceability system, encouraging the use of low toxic bio-pesticides and strengthening pesticide use instructions and so on.

Fourth, to perform thematic demonstrations. In May 2012, the Legislative Affairs Office of the State Council held an expert discussion meeting, at which it listened to the suggestions and opinions from pesticide and legal experts with respect to the amendment of the Regulations and pesticide Management system. To the Regulations (Amendment Draft), it plans to change pesticide franchise to pesticide business permit system. According to the requirements specified in the Administrative License Law of the People's Republic of China and the Notice of the State Council on Strictly Controlling the Issuance of New Administrative Licenses (G.F.[2013]No.39), the MOA held a meeting and hearing on pesticide business license system in May and June 2014, at which it gave thematic demonstration on the legality, necessity and rationality of setting up the pesticide business license system, and listened to the opinions of 23 representatives including people engaging in pesticide manufacturing, operation, use and management, people from relevant associations and consumers of agricultural products.

The MOA finally indicated in the reply that the amendment draft was basically completed and it planned to cancel the temporary pesticide registration and set up the pesticide business license system and pesticide recall system. The amendment of the Regulations has been included in the First-Category Legislation Plan of 2014 of the Station Council. The MOA will actively cooperate with the Legislative Affairs Office of the State Council in relevant work and issue the Regulations as soon as possible.

Re-evaluation Work for Five Pesticides Including 2,4-D Butyl Ester Officially Launched



Ye Jiming, Deputy Director of the ICAMA pointed out in the conclusion of the meeting that China's re-evaluation work was gradually being normalized. He emphasized that the focus of the re-evaluation work should be placed on plant phytotoxicity, prevention and control of resistance, environment and ecology, quality and safety of agricultural products and human and animal health, and relevant departments should further improve the work plan to ensure the work could be completed according to schedule.

Recently, ICAMA held the Seminar on the re-evaluation and registration work of five Pesticides

At the seminar, the Re-evaluation and Registration Office introduced the re-evaluation work plan of five pesticides, those are, 2,4-D butyl ester, bismethiazol, aluminium phosphide, carbofuran and carbosulfan. Experts from China Crop Protection Industry Association, China Agricultural University, the Chinese Center for Disease Control and Prevention, Zhejiang Academy of Agricultural Sciences, Hunan Research Institute of Chemical Industry, Beijing Plant Protection Station and relevant provincial institutes discussed on the implementation plan of the re-evaluation work with respect to the phytotoxicity of 2,4-D butyl ester, improvement of bismethiazol's environmental toxicology data safety in aluminium phosphide use and potential safety risks of carbofuran and carbosulfan, and also gave good advice and suggestions on further improving the work plan.

The re-evaluation work is the first time in China agrochemical industry. For some pesticides that are already registered but have problems or risks in application, the ICAMA will continue the re-evaluation work. It's learned that, with respect to the affect of insecticides such as imidacloprid on bees, the re-evaluation work for neonicotinoid pesticides will be launched in Shanghai this October.




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New Construction and Expansion in the Pesticide Manufacturing Industry will be Banned in Beijing

Recently the General Office of the Beijing Government issued the “Notice on the Formulation of Catalog of New Restricted Items of Industries of Beijing (2014) by the Municipal Reform and Development Commission and Other Relevant Departments”. The Catalog of New Prohibited and Restricted Items of Industries of Beijing (2014) (hereinafter referred to as the “Catalog (2014)”) specifies the new prohibited and restricted items of industries in Beijing. The manufacturing industry has most prohibited and restricted items, and the construction and expansion of pesticide manufacturing is prohibited. The administrative measures set forth in the Catalog (2014) include prohibition and restriction measures, of which the former aims to prohibit increasing new investment projects in fixed assets or establishing new market entities (including enterprises and privately or individually-owned businesses, similarly hereinafter). The latter means regional restriction, scale restriction and restriction on industry sector, technology and products.

According to the statistics by CCPIA, there is less than ten pesticide manufacturers in Beijing and they have relatively small production capacity. Some pesticide enterprises have their research and development centers in Beijing. While they will not be affected by the policy.



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JINGPENG BIO-PESTICIDE

烯啶虫胺

中文通用名称: 烯啶虫胺
英文名称: Dinotefuran
分子式: $C_{11}H_{15}N_3O_2$ 分子量: 237.27
CAS No.: 135101-81-1 登记号: SL020001
性状: 白色至浅黄色结晶性粉末, 无臭, 熔点: 100-105°C

生物活性: 触杀作用
作用机理: 神经毒剂, 作用于昆虫神经系统的乙酰胆碱受体, 阻断神经传导, 使昆虫麻痹死亡。
防治对象: 蚜虫、粉虱、介壳虫、木虱、蚧壳虫、蛾类、甲虫、鞘翅目害虫等。
使用浓度: 10-20g/亩, 兑水喷雾。
注意事项: 1. 本品为触杀剂, 使用时应均匀喷雾, 使害虫接触药液。
2. 本品对蜜蜂、蚕等有剧毒, 使用时应避免接触。
3. 本品对鱼类、水生动物有毒, 使用时应避免污染水源。

噻虫胺

中文通用名称: 噻虫胺
英文名称: Clothianidin
分子式: $C_{11}H_{14}N_4S$ 分子量: 238.32
CAS No.: 135101-81-1 登记号: SL020001
性状: 白色至浅黄色结晶性粉末, 无臭, 熔点: 100-105°C

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24-表油菜素内酯

中文通用名称: 24-表油菜素内酯
英文名称: 24-Epibrassinolide
分子式: $C_{28}H_{48}O_6$ 分子量: 468.68
CAS No.: 135101-81-1 登记号: SL020001
性状: 白色至浅黄色结晶性粉末, 无臭, 熔点: 100-105°C

生物活性: 植物生长调节剂
作用机理: 促进植物细胞分裂和伸长, 提高植物抗逆性。
防治对象: 各种农作物。
使用浓度: 10-20g/亩, 兑水喷雾。
注意事项: 1. 本品为植物生长调节剂, 使用时应均匀喷雾, 使植物接触药液。
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噻虫胺

Clothianidin

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 Cyproconazole 98% TC
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 Thiamethoxam 98% TC
 Imidacloprid 97% TC

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- * Customized R&D and manufacturing



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We provide professional solutions for formulation processing, analyses and formulation development.

EC SL SC CS OD WP WSG

GLP & CNAS

- * CNAS : China National Accreditation Service/ Laboratory
- * ICAMA GLP authorized in Jan, 2013
- * OECD GLP Laboratory under authentication



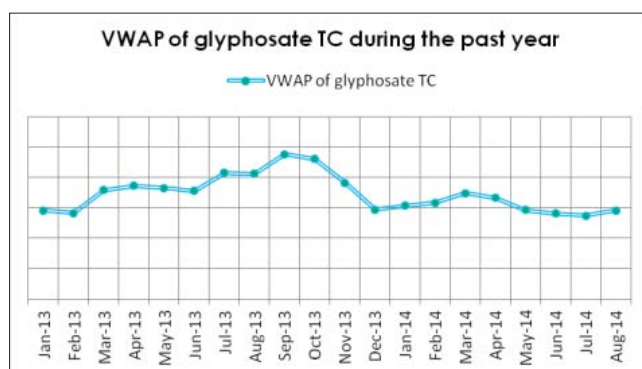


CAC Group is a chinese leading manufacturer for agrochemicals and fine chemicals, it was founded in 1992 with turnover \$190 mil. in 2012. It owns 4 plants, 1 GLP/CNAS laboratory, 1 state level R&D center. With strong manufacturing and R&D capabilities, CAC is well-known as a reliable supplier and partner of world leading agrochemical and fine chemical companies.

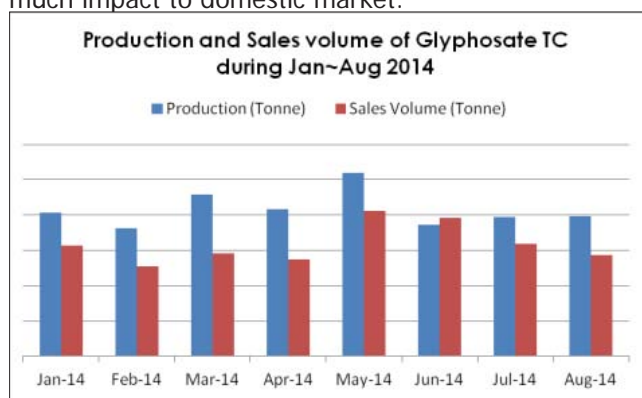
Market Tendency of Some Major Pesticides

The latest issue of CCPIA Monthly Bulletin of Statistics of China Agrochemicals was just released. Here follows some major pesticides' price tendency and manufacturers' operation situation as reference.

1. Glyphosate



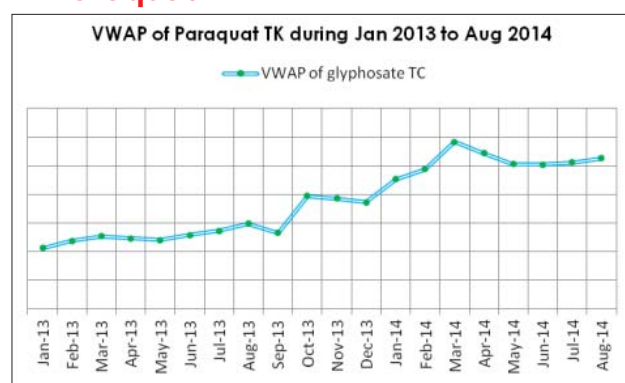
According to CCPIA Monthly Bulletin of Statistics of China Pesticides, in Aug, VWAP (Volume Weighted Average Price) of glyphosate TC increased slightly by 3.5% MoM. With more than 20 manufacturers operating in Aug, the monthly output kept same level with that of Jul, while sales volume decreased by over 10% MoM. When it came into Aug, overseas market of glyphosate began to warm up, however it seemed there was not much impact to domestic market.



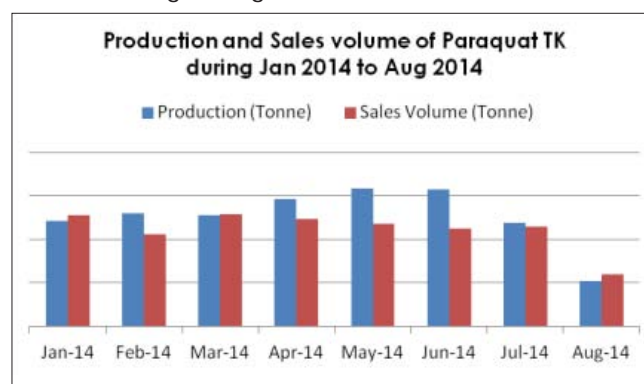
Overall, the impact of glyphosate scrutiny on the market has been slightly moving off, while the market of

upwards and downwards becomes the main factors that influence glyphosate market. According to experience, yellow phosphorus' price increases in Sep every year, perhaps it'll bring up the price of glyphosate next month, we'll see.

2. Paraquat

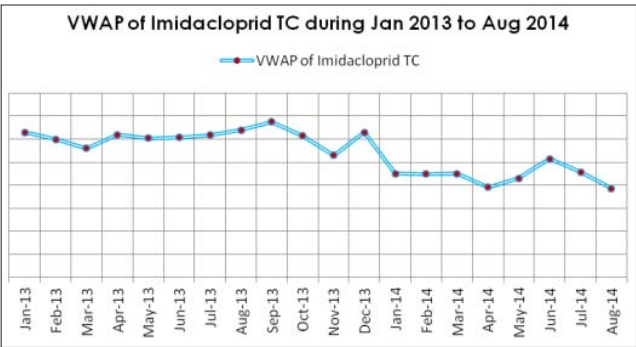


According to CCPIA Monthly Bulletin of Statistics of China Pesticides, in Aug, VWAP of paraquat TK increased by \$283 per tonne than that of Jul, till now paraquat price has been increasing for three months in a row, although the growths are not obvious.

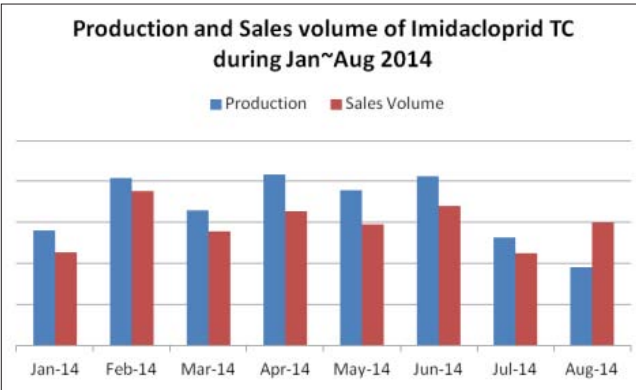


With one less manufacturer operating in Aug (compared with that of Jul), the output of paraquat TK fell significantly by 56.0% MoM. Main factor is the ban of paraquat AS production that implemented in Jul, which also drove the decline of sales volume. Seen from the above chart, sales volume of paraquat TK fell by 47.9% than that of Jul.

3. Imidacloprid

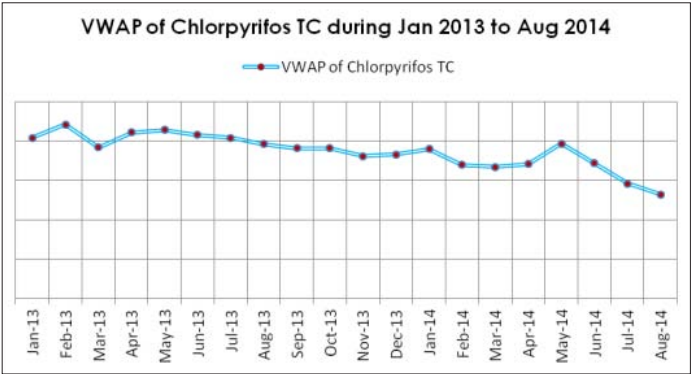


According to CCPIA Monthly Bulletin of Statistics of China Pesticides, in Aug, VWAP of imidacloprid TC declined by \$1180 per tonne than that of Jul. Actually seen from the recent one year's tendency, price of imidacloprid has been generally going down, especially in 2014. Most manufacturers' transaction price didn't change in Aug, while some declined over 8% MoM.

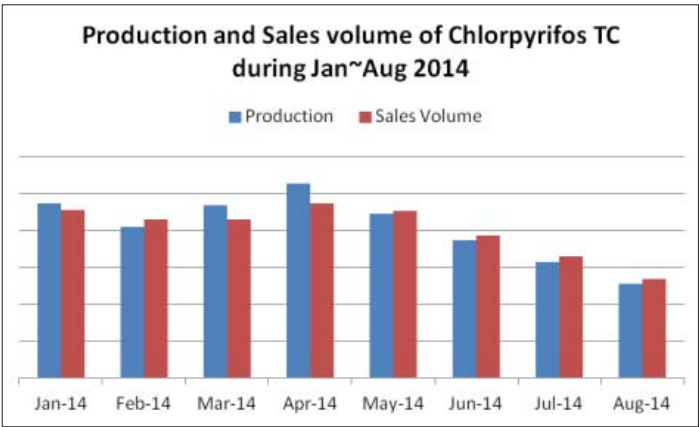


With two less manufacturers operating in Aug, production of imidacloprid TC fell significantly by 27.6% than that of Jul, while sales volume went the exactly opposite way, increased by 33% MoM. Given the hot weather in Aug, some manufacturers tended to shut down or reduce their operation rate, while with demand of market increasing, sales of imidacloprid still performed well in Aug.

4. Chlorpyrifos



According to CCPIA Monthly Bulletin of Statistics of China Pesticides, in Aug, VWAP of chlorpyrifos TC fell by \$233.3 per tonne. Although it's the third month that price of chlorpyrifos TC going down, it seems that the tendency won't keep that long. Overall, price of chlorpyrifos TC kept going smoothly during 2014.

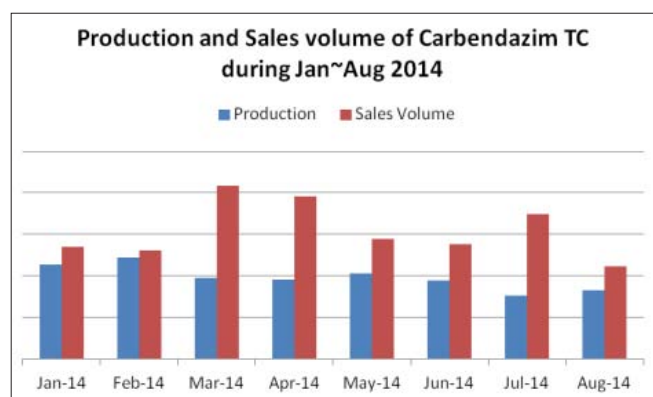
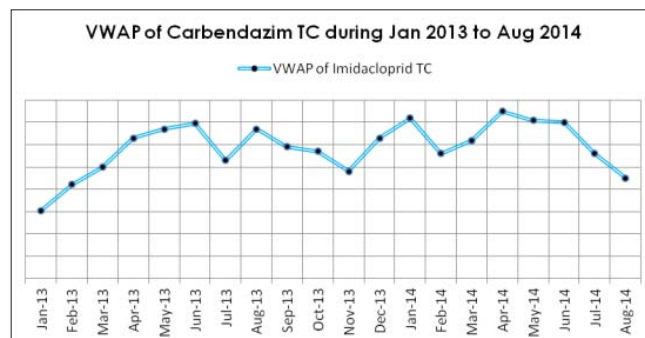


With the same number of manufacturers operating in Aug (compared with that of Jul), production of chlorpyrifos went down by 19.3% and sales volume dipped by 18.5% MoM. The rapid decline was caused by the hot weather for one aspect, and for another, according to some manufacturers, operation rate was reduced because they intend to control the sales channel in their own hands instead of the traders.

5. Carbendazim

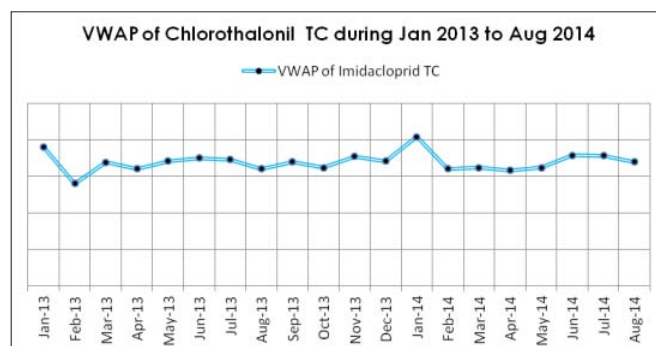
According to CCPIA Monthly Bulletin of Statistics of China Pesticides, in Aug, VWAP of carbendazim TC declined by 3.6% than that of Jul. Seen from the transaction price tendency, it has been declining for four months in

a row till Aug. Actually market of carbendazim TC didn't perform well during the same period last year, mostly because the overseas demand couldn't fulfill the output.

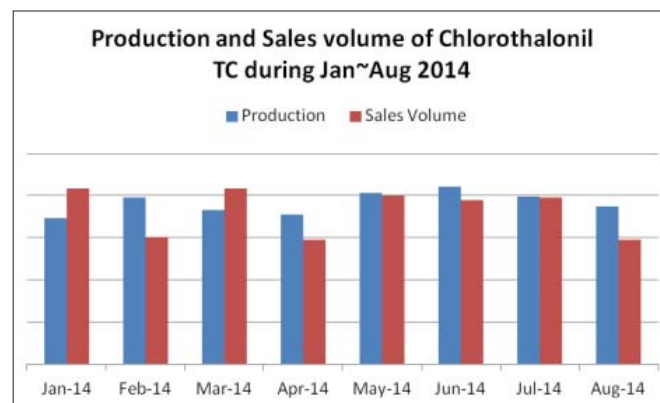


With the same number of manufacturers operating in Aug (compared with that of Jul), output of carbendazim TC increased by 8.5% MoM, while sales volume decreased significantly by 35.8% than that of Jul, which also resulted from the poor season of exports.

6. Chlorothalonil



According to CCPIA Monthly Bulletin of Statistics of China Pesticides, in Aug, VWAP of chlorothalonil TC fell slightly by 2.9%. Overall, market of chlorothalonil TC didn't change much during the past year. As one of the largest tonnage fungicide operating in China, chlorothalonil always kept a smooth development way.



With one less manufacturer operating in Aug (compared with that of Jul), output of chlorothalonil TC declined slightly by 5.7% and sales volume dipped by 25% MoM. According to the manufacturers, sales volume's declining was mainly caused by the dipped exports compared with that of Jul.



许昌东方化工有限公司
XUCHANG DONGFANG CHEMICAL CO., LTD.

国家工信部定点农药生产企业
国家科技部认定的高新技术企业

许昌东方化工有限公司成立于2003年，坐落于素有“中国之中”之称的河南省许昌市。京广铁路、石武高铁大动脉穿城而过，京港澳、永登、兰南三条高速公路交汇贯通，距新郑国际机场40公里，优越的交通条件为企业发展奠定了良好的基础。

公司自成立以来一直致力于化工产品、农药中间体、农药原药及农药制剂的生产、销售；注重新技术、新材料、新工艺的开发与应用；牢固树立“以人为本，诚信为先，居危思进，追求卓越”的经营理念；坚持实施“专业化生产、精细化管理”的发展战略，全面打造公司的品牌价值和品牌形象。经过近十年的华丽蜕变，东方化工已发展成为拥有氯乙酸、氨基乙酸、多聚甲醛、亚磷酸二乙酯、甲缩胺、氯甲烷、盐酸等医药、农药中间体及草甘膦原药、氯氰菊酯原药、高效氯氰菊酯原药制剂和复配加工制剂等产品，成为集产、研、销、运为一体的综合型化工生产基地。产品遍布全国，远销澳洲、东南亚等国。

Xuchang Dongfang Chemical Co., Ltd. is established in 2003, it's located in Xuchang, which is called "The Centre of China" in Henan Province. From where the Beijing-Guangzhou Railway, Shijiazhuang-Wuhan High Speed Railway artery passes through, Beijing-Hong Kong-Macau Freeway, Yongkang Freeway and LuoNan Highway have integrated and cohered all around. It's only 40 kilometres away from the Zhengzhou Xinzheng International Airport; its favorable transportation condition has laid a good foundation for enterprise development.

Our company has always absorbed in chemical product, farm chemical intermediate and the production and sale of agrochemicals and pesticide. We regard the development and adhibition of new technology and material; firmly establish people-oriented, good faith first in dangerous thoughts into the pursuit of excellence management idea; we carry out the specialized production quality management development strategy, make the corporate brand value and brand image comprehensively. With almost ten years' effort, our company now have the product of chloroacetic acid, amino acetic polyphosphate, formaldehyde, phosphate diethyl, amou acetyl, chloride, methane hydrochloric acid etc. medicine pesticide intermediates and glyphosate technical products. Cis-cypermethrin reversed-phased, Beta-cypermethrin reversed-phased thick agent and blends with processing preparation and so on, and we have set production, research, and sales together, and have become a comprehensive chemical production base. Our process scale has leaped into the front ranks in Henan, and our products have spread all over the country, which have been sold to Australia, Southeast Asia and so on.

除草剂 (Products of Herbicides)	杀虫剂 (Products of Insecticide)	农药中间体 (Products of Pesticide Intermediates)
<ul style="list-style-type: none"> ≥95%草甘膦原药 ≥95%Glyphosate TC 41%草甘膦异丙酯SL 41%Glyphosate IPA salt SL 62%草甘膦异丙酯SL 62%Glyphosate IPA salt SL 30%草甘膦SL 30%Glyphosate SL 40.5%550g/L草甘膦钾盐SL 40.5%550g/L Glyphosate potassium SL 188%8%草甘膦WDG 88.8%Glyphosate WDG 	<ul style="list-style-type: none"> ≥93%氯氰菊酯原药 ≥93%Cypermethrin TC 27%高效氯氰菊酯母液 27%Cypermethrin TK 5%氯氰菊酯乳油 5%Cypermethrin EC 10%氯氰菊酯乳油 10%Cypermethrin EC 4.5%高效氯氰菊酯乳油 4.5%Beta-cypermethrin EC 	<ul style="list-style-type: none"> ≥99%氯乙酸 ≥99%Chloroacetic acid ≥98.5%氨基乙酸 ≥98.5%Aminoacetic acid ≥96%多聚甲醛 ≥96%Parafomaldehyde ≥98%亚磷酸二乙酯 ≥98%Dimethyl hydrogen phosphate ≥31%盐酸 ≥31% Hydrochloric acid

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Where is China Formulation Industry Going

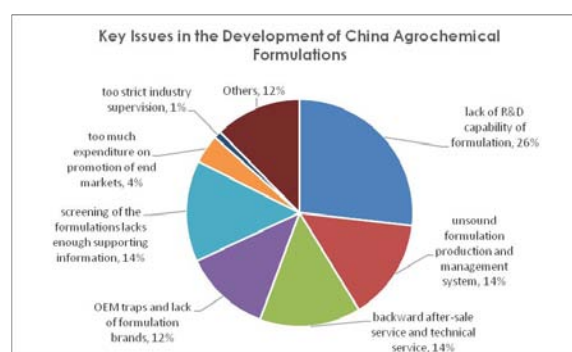


In recent years, the development of Chinese pesticide industry is increasingly mature with exports of technical concentrates (TC) accounting for a dominant share of the globe trade and exports of pesticide formulations increasing year after year. However, R&D and production level of Chinese pesticide formulations still lag behind multinationals. There is still a long way to go for Chinese formulation products to gain a foothold in the international market. Considering the current situation, a survey was conducted on the key issues in the development of China agrochemical formulations. The main problems encountered in developing China's pesticide formulation industry were researched and a number of suggestions and solutions were collected.

In answering "What do you think is the main bottleneck/problem for developing China's agrochemical formulations?" 26% of the respondents chose the option that "lack of R&D capability of formulation"; secondly, 14% of the respondents chose the option that "unsound formulation production and management system". Currently China F&P industry remains at a low level and lacks a good management system, which impedes R&D and production of new formulation products. In addition, another 14% of the respondents believed backward after-sale service and technical service is the impediment and 12% believed lack of formulation brands hinders the development of the pesticide formulation industry.

It is worth noting that there are a considerable number of respondents (14%) chose the option that "screening of the formulations lacks enough supporting information". This reflects the plight currently faced by the formulation research staff.

According to the survey, the investment in R&D of Chinese pesticide formulation business averages less than 3% of the total annual expenditure. Without enough R&D investment, research staff are like making bricks without straw. Companies should recognize that new product development has a very high input-output



ratio. To take an example, Hunan Dongyong Chemical Co., Ltd. invested 1.5 million yuan in the R&D of new products. It successfully developed and registered two formulations. After the launch to the market, the sales of the two new products exceeded 10 million yuan, bringing a profit of over 4 million yuan.

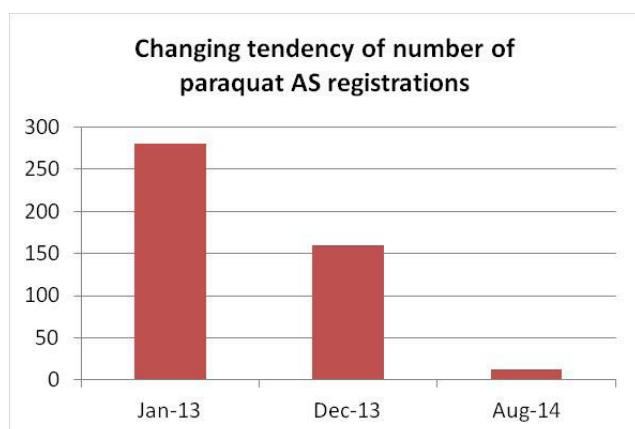
Relevant information shows that multinationals not only have an extensive information system as the base for R&D of new products, but are also good at capturing market opportunities for new products from the information; however currently few domestic enterprises have achieved success on this aspect.

Data shows that during the first half of 2014 the exports of Chinese pesticide formulations accounted for 65% of the total pesticide exports. Industry insiders said that China does not lack "awakening" enterprises of both ambition and sharp business sense in the agrochemical industry. Enterprises such as Huapont-Nutrichem, Nanjing Red Sun, and Sinochem have already begun to show their ambitions in the formulation market. In an increasingly competitive world of an ever-changing agrichemical landscape, more outstanding national enterprises which take formulation brand management as their goal will emerge in the future.

Registrations of Paraquat AS Dipped Significantly after the Ban Implemented

Since Jul 1st 2014, paraquat AS formulation has been banned of production, and registration was also repealed except for the ones only for export. According to the policy, start from Jul 1st 2016, paraquat AS will be halted sales and usage in China.

According to ICAMA data, ever since the policy came out, the number of paraquat AS formulation registrations has sharply declined (see the follow chart). Till now, there are only 13 companies holding paraquat AS registrations, back to Jan 2013 and Dec 2013, the number was 280 and 160 respectively.




Other than the significant decline of paraquat AS registration, the substitute formulations' registration has sped up. Now there are two companies getting the non-AS formulation registrations: Shandong Luba Chemical's 50% paraquat SG (Soluble Granule) and Nanjing Red Sun's 20% paraquat GW (Water Soluble Gel).

What's more, in the latest approved list of pesticide production certificates, Nanjing RedSun's 20% paraquat GW was listed, and it's the only one that has got permit of production till now.

China's First Imazamox AI Product Officially Registered






Recently, Jiangsu Agrochem Laboratory Co., Ltd. received the official registration of its imazamox AI (active ingredient) product (98%), which is the first among Chinese enterprises. The registration number is PD20142090 and the period of validity is five years until September 2, 2019. Before, BASF has registered imazamox 97% (AI) and 4% (AS) in China. The 4% imazamox AS is used to control grass growth in soybean fields. It is sprayed on the soil before seedlings. The dosage of AI is 45~50g per hectare.



Jiangsu Aolunda High-Tech Industry Co., Ltd.
Lianyungang Neutech Chemical Co., Ltd.

Thiocarbamates series ' herbicides
manufacturing base

Thiobencarb	Molinate	Triallate
Prosulfocarb	EPTC	Cycloate
Prodiamine	Cyhalofop-butyl	
Sulfentrazone	Diclosulam	

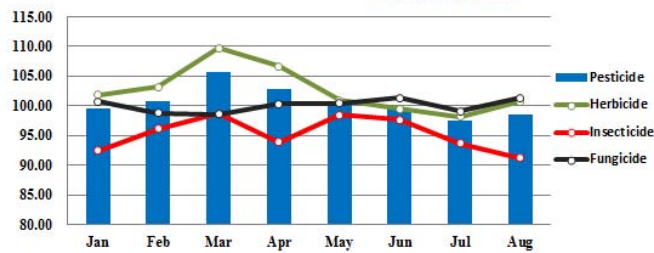






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CAPI of August Rising up Slowly

China Agrochemical Price Index during Jan to Aug 2014

Published by CCPIA



According to statistics, the China Agrichemical Price Index (CAPI) of herbicides in August was 100.75, an increase of 2.58% compared to last month, and a drop of 8.87% compared to last August; the total output of herbicides dropped by 2.74% compared to last month. In August, VWAP (volume weighted average price) of glyphosate TC bottomed out. After a continuous fall for four months, the weighted transaction price slightly increased by 3.51% compared to last month. The output of glyphosate TC in August was basically flat with last month with a slight increase of 8.3%; the overseas purchase tide did not come as expected in this month. Operation situation of domestic glyphosate TC manufacturers didn't change too much, and most of the small manufacturers kept a wait-and-see attitude. The lower of domestic and oversea demand dampened the growing momentum of the glyphosate price; it is expected that purchases from markets such as South America in September will drop off significantly compared to previous years, which could not give enough support to drive the glyphosate price up. In terms of paraquat, its weighted transaction price went up by 2.0% compared to last month, but the overall market demand of paraquat was still weak. The output of paraquat went down sharply by 56.0% compared to last month and it is expected that a surge in the price of paraquat is not likely to happen next month. Generally speaking, the transaction prices of other herbicides

stayed basically the same with last month.

The CAPI of insecticides was 91.21 in August. With a continuous fall for three months, the CAPI of insecticides dropped off by 2.63% compared to last month and 7.65% compared to last August. Compared to last month, the insecticide output of August continued to fall, reaching 22,200 tonnes, a decrease of 6.33% compared to last month. Among the insecticide products, the output of imidacloprid, Dursban, and acephate accounts for a large part of the total insecticide output, while the average transaction prices of these three products all dropped, respectively by 5.6%, 4.7% and 6.3% MoM, pulling down the CAPI of insecticides down by 1.79%. Prices of other insecticide products such as profenofos, fipronil, lambda-cyhalothrin and emamectin benzoate went down slightly. Transaction prices of abamectin, dipterex, malathion, triazophos and other products went up modestly, with dipterex and triazophos seeing the biggest increases, respectively by 14.9% and 5.3%.

Among the three main pesticide categories, fungicides account for the smallest market share. The CAPI of fungicides was 101.37 in August, a rise of 2.30% MoM and a slight fall of 0.92% compared to last August. Compared to the big fluctuations of CAPIs of herbicides and insecticides this year, the CAPI of fungicides stayed at a stable level, remaining between 98.6 and 101.5. The CAPI of fungicides reached 101.37 in August, a record high during the first eight months of the year. Overall, the absolute values of transaction price changes of most of fungicide products ranged within 3.6%, which had little impact on the CAPI of fungicides; but the transaction prices of thiophanate-methyl and epoxiconazole rose significantly, respectively by 17.6% and 18.8% compared to last month, driving up the CAPI of fungicides by 2.32%.

Categories	CAPI	Compared to Last Month(%)	Compared to Last August(%)
Pesticides	98.62	↑ 1.23	↓ 9.24
Herbicides	100.75	↑ 2.58	↓ 8.87
Insecticides	91.21	↓ 2.63	↓ 7.65
Fungicides	101.37	↑ 2.30	↓ 0.92

Performance Review of 19 Listed Pesticide Companies in the First Half of 2014

At press time, all of the 19 listed pesticide companies have released their semi-annual reports. According to the released reports, "growth" is still the keyword to depict the market condition of the first half of the year 2014.

Performance of Listed Pesticide Companies of Released Semi-annual Reports during the First Half of 2014 (in term of business revenue, RMB 100 million)

Rank	Company Name	Main Business Revenue of Pesticides		Net Profit Belonging to the Listed Company's Shareholders	
		Main Business Revenue	YoY Change %	Net Profit	YoY Change %
1	Wynca Chemical	23.34	13.35	0.90	-61.49
2	Nanjing Red Sun	19.34	39.01	2.88	75.76
3	Huapont-Nutrichem	19.22	10.25	2.33	45.65
4	Sanonda (fertilizer included)	17.53	12.53	2.88	126.25
5	Jiangsu Yangnong	15.92	0.25	2.48	24.38
6	Noposion	15.28	25.40	2.05	41.89
7	Nantong Jiangshan	12.58	6.61	1.66	26.37
8	Lianhetech (pesticide intermediates)	11.08	18.81	2.41	24.27
9	Jiangsu Huifeng	10.66	7.45	1.07	41.72
10	Jiangsu Changqing	9.26	15.35	1.19	16.56
11	Lier Chemical	6.74	-9.29	0.72	4.53
12	Veyong	6.47	49.14	4.01	-9.78
13	Shandong Shengli	5.86	23.48	0.13	273.74
14	Hunan Haili	5.69	2.42	0.05	-8.01
15	Huaxing Chemical	4.91	-5.65	0.48	261.70
16	Lanfeng Bio-chemical	4.41	-23.07	0.02	-90.77
17	Shenghua Biok	2.67	-30.87	0.51	112.26
18	Qianjiang Bio Chemical	1.21	-12.37	0.30	69.83
19	Beihai Gofar	1.21	-20.82	-0.14	N/A

Based on the above table, Wynca Chemical ranked the first with the main business revenue reaching 2.334 billion yuan, an increase of 13.35% compared to the same period of last year. However, under the influence of the falling price of glyphosate and a slack organosilicone market, its net profit dropped by over 60% compared to the same period of last year. Nanjing Red Sun and Huapont-Nutrichem's pesticide business

revenues were almost the same and respectively ranked second and third. The net profit of both has seen remarkable growth compared to the same period of last year. In terms of pesticide business revenue, benefiting from the rising price of avermectin and other pesticide products as well as the addition of new products such as glufosinate and azoxystrobin, the main business revenue of Veyong increased by 49.14%

compared to the same period of last year, the biggest increase among its counterparts. The realized net profit belonging to the shareholders of the listed companies including Jiangsu Lanfeng and Beihai Gofar has dropped sharply. Lanfeng explained this was caused by two factors. First, sucrose growers' enthusiasm has been dampened by the falling price of sucrose, so the sales of Lanfeng's profitable product, hexazinone, which is mainly used for weeding sucrose field, have dropped and made its inventory hard to digest. Secondly, although the sales of Lanfeng's acephate has gone up, the rising prices of acephate's raw material spermine and acetic anhydride brought up a higher production cost, so the gross profit of acephate went down compared to the same period of last year. Under the influence of the oversea market demand fluctuations, the export sales of Hunan Gofar, a holding subsidiary of Beihai Gofar, has dropped sharply, so the latter's net profit has seen a sharp fall compared to the same period of last year.

During the first half of 2014, the market price of the main raw material of glyphosate rose up, which brought up a higher production cost and hence affected the profitability of the enterprises. Meanwhile, influenced by climate anomalies, lower foreign demand and other factors, the glyphosate market softened during the second quarter with a weak price trend. The business of key glyphosate manufacturers including Wynca Chemical, Jiangsu Yangnong and Nantong Jiangshan was affected to different degrees. But from the aspect of the international market, Wynca Chemical Industry Group performed better with its export sales exceeding that of last year during the same period by 12%, which played an important role in pushing up the company's pesticide business revenue. Yangnong Chemical also further deepened its strategic cooperation with multinational companies by focusing its effort on selling large-tonnage products. With the production capacity of new projects, Yangnong Chemical actively reached cooperative intents with multinationals and registered products in advance. On the other hand, Yangnong Chemical actively explored the emerging market of public health pesticides to strengthen its cooperation with generic multinationals.

The price of paraquat remained at a high level

during the first half of 2014, which exerted a positive influence on the substantial growth of Nanjing Red Sun's business. On the long run, Nanjing Red Sun's plan to invest in producing chlorpyrifos, imidacloprid and other products through chloration of pyridine base as well as its plan to invest in other herbicide, insecticide and fungicide varieties further promotes its long-term development.

Furthermore, manufacturers including Sanonda, Jiangsu Huifeng, Lier Chemical, and Jiangsu Changqing, which provide pesticide TC to foreign pesticide buyers over a long time made a good performance on other projects. This helped the business of the companies keep the growing trend. According to Sanonda, the business of acephate, spermine and other products showed a good growing momentum, which ensured the company's main economic indicators reached hit a historical high during the first half of the year.

Jiangsu Changqing Agrochemical's project to convert its annual output of 3,000 tonnes of S-metolachlor TC and annual output of 1,000 tonnes of 2-benzofuran ketone intermediate to bonds to raise capital is in the construction stage; Nantong Jiangshan's subsidiary company's annual output of 2,000 tonnes of dicamba TC is released and the project to convert the annual output of 1,000 tonnes acetamiprid TC to raise capital have been put into operation, which further enhanced the company's profitability and comprehensive competitiveness.

Lier Chemical's commercialized production capacity of glufosinate TC is increasing steadily. To enhance its market competitiveness, Lier Chemical has started the technological transformation project to elevate its annual output of glufosinate to 2,000 t/a.

As a leading formulator, Noposion did quite well during the first half of 2014. Noposion spared no effort in establishing product brand and carrying out product development, providing overall agricultural service, building multi-level interactive community among farmers (agriculture e-commerce and micro-marketing based on crop groups), etc. Noposion's new strategies respond to the development trend of the times and have laid a solid foundation for its remarkable achievement.

List of Top 20 Leading Agrochemical Companies Came out, Several Chinese Enterprises Made the List

All of the leading agrochemical companies posted sales gains last year, with half posting double-digit US dollar increases. That exceeded the industry's strong performance in 2012, which was the most consistent since 2008. Chinese pesticide manufacturers Wynca Group, Huapont-Nutrichem, Nanjing Red Sun, and Yangnong Chemical have made the list. Among the four companies, Nanjing Red Sun and Yangnong Chemical are new to the list. Furthermore, ADAMA, which ranked seventh on the list, had been acquired by China National Chemical Corporation holding 60% of ADAMA's shares. See the list below:

Ranking in 2013 (2012)	Company Name	Sales (million US dollars)	Change YoY (%)
1 (1)	Syngenta AG	10923 (10318)	+5.9
2 (2)	Bayer CropScience	10420 (9544)	+9.2
3 (3)	BASF	6943 (6018)	+15.4
4 (4)	Dow AgroSciences	5546 (5042)	+10.0
5 (5)	Monsanto	4521 (3715)	+21.7
6 (6)	Dupont	3557 (3173)	+12.1
7 (7)	ADAMA (formerly Makhteshim Agan)	2876 (2649)	+8.6
8 (10)	FMC	2146 (1764)	+21.7
9 (8)	Nufarm	2078 (2135)	-2.7
10 (9)	Sumitomo Chemical	2052 (1953)	+5.1
11 (11)	UPL	1715 (1585)	+8.2
12 (12)	Arysta LifeScience	1503 (1524)	-1.4
13 (13)	Cheminova	1101 (1028)	+7.1
14 (17)	Wynca Group	574 (449)	+27.8
15 (16)	Huapont-Nutrichem	570 (479)	+18.9
16 (15)	Kumiai Chemical	506 (551)	-8.2
17 (14)	Ishihara Shangyo Koshi	503 (540)	-6.9
18 (-)	SipCam Agro	501 (433)	+15.5
19 (-)	Nanjing Red Sun	482 (432)	+11.6
20 (-)	Jiangsu Yangnong Chemical	480 (347)	+38.5

Compared with last year, both ranking and sales of the Chinese companies in the list have risen. Benefitting from a rising Chinese glyphosate market in 2013, the annual reports of Wynca Group and Jiangsu Yangnong Chemical are quite remarkable; the soaring price of paraquat in 2013 also significantly boosted Nanjing Red Sun's annual revenue; and with its solid strength in foreign trade, Huapont-nutrichem still retained its position in the list of the 20 Largest Agrochemical Companies Worldwide 2013.

Note: 1. Converted using average annual exchange rates for 2013 and 2012

Source: Agrow <http://www.agrow.com/>





QINGDAO HANSEN BIOLOGIC SCIENCE CO.,LTD.

BRIEF INTRODUCTION

Qingdao Hansen Biologic Science Co., Ltd is a major High-Tech enterprise, Who is located in beautiful rich coastal city-Qingdao. The company founded in 2002, belong to the national development and reform nominated pesticides production enterprises, state-level High-Tech enterprise. We has passed the ISO9001, ISO14001, GB/T28001 certification system. Qingdao Hansen has the key technology on Fomesafen, Fluoroglycofen-ethyl, Lactofen, Trifluralin, Propargite and Thifluzamide production, are in the leading domestic level. On the basis of principle equality and mutual benefit, we would like to communicate and cooperate with people from entire business circle, and we are also keen to cooperate with domestic and abroad customers to develop new products and markets.





QINGDAO HANSEN BIOLOGIC SCIENCE CO.,LTD.

MAIN PRODUCTS

HERBICIDE
 Fomesafen, Acifluorfen, Lactofen, Fluoroglycofen, Trifluralin, Butralin, Quizalofop-p-ethyl

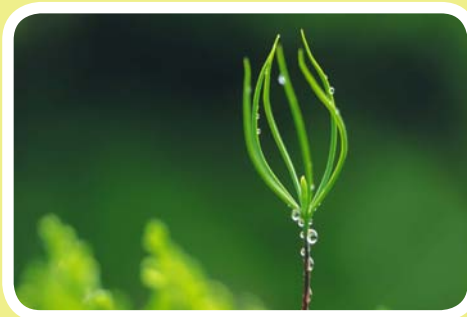
INSECTICIDE
 Methidathion

FUNGICIDE
 Thifluzamide

ACARICIDE
 Propargite

INTERMEDIATE
 4-chlorobenzotrifluoride, 3,4-dichlorobenzotrifluoride, 4-chloro-3,5-dinitrobenzotrifluoride, 2-(4-tert-butylphenoxy)cyclohexanol





Rainbow Chemical to Build Plant in Panama

Rainbow
Innovation Changes Future

China's Rainbow Chemical said it will build a new plant and distribution center in Panama. Construction will start in September and be completed by April 2015.

The new state-of-the-art facility will serve as platform for the production of new specialty and innovative formulated products and its distribution to Latin American market.

"Demand for our products is increasing strongly in the whole region, especially in the Central American and South American markets. We identified a potential opportunity to expand our supply chain platform by choosing a strategic production location that can satisfy a faster response of our products to all markets in the region, helping to accelerate our innovation capabilities for this region simultaneously," Michael Groos, the Director General for Central America and the Caribbean said.

The plant will have an international R&D center with a high-tech laboratory that will serve to study and develop innovative agricultural solutions for the Latin American region, according to Rainbow Chemical.

"We think that our R&D team needs to be closer to such important markets, to experience and understand the current problems farmers are facing so that we can truly achieve and accelerate market-driven innovation," CEO Wicky Wang said.

This project will allow Rainbow to increase its supply chain capacity, have a more efficient distribution operation and enabling a faster response to all Latin American markets. "We chose Panama because of its excellent logistic location, attractive investment and work environment. This is one of the many projects that Rainbow plans worldwide and that can add value to our partners", Wang said.

MIO 民友实业
Shanghai MIO Chemical Co., Ltd.

Fungicides	
Tebuconazole	Fludioxonil
Cyproconazole	Boscalid
Flutriafol	Azoxystrobin
Spiroxamine	Fenoxadone
Propiconazole	Carbendazim
Difenoconazole	Dimethomorph

Herbicides	
Acetochlor	Imazamox
Metazachlor	Diffenican
Florasulam	Flametsulam
2,4-D Series	Dicamba
Haloxypyr-R-methyl	Terbutylazine
Metolachlor	Fenoxaprop-P-ethyl
Clethodim	Tribenuron-methyl
Flufenacet	

Insecticides	
Chlorpyrifos	Alpha-cypermethrin
Imidacloprid	Lambda-cyhalothrin
Pyriproxyfen	Difenthiuron

- * Famous manufacturer of technical grade agrochemicals.
- * Four production bases with ISO9001-2008 and ISO14001-2004 and OHSAS18001-2007.
- * Strong at recipe development & excellent production experience.
- * Comprehensive and strict QC system.
- * Professional registration support with GLP reports.

www.miochem.com
E-mail: huaai@miochem.com

<http://www.generic-chem.com>

GENERIC
GENERIC CHEMICAL CO., LTD.
宁波捷力克化工有限公司

Instruction / 公司介绍

1. Leading agrochemical supplier in China.
2. The annual sale value reached over 140 million US dollars in last year.
3. GLP registration data support is ready for our key products.
4. Stable and timely supply plan with good quality products.
5. Complete solution for logistics and after service.

宁波捷力克化工有限公司是中国最主要的农药产品供应商之一。年均出口额在1亿美元以上。我们可以为客户提供完整的GLP产品登记支持。可靠稳定的货物供应及完善的物流和销售服务是我们一贯的服务宗旨。

Key products / 主要产品

2,4-D, Abamectin, Acetochlor, Atrazine, Azoxystrobin, Carbendazim, Chlorothalonil, Chlorpyrifos, Dicamba, Difenoconazole, Fipronil, Glyphosate, Imidacloprid, Lambda-cyhalothrin, Mancozeb, Metsulfuron, Nicosulfuron, Oxyfluorfen, Paraquat dichloride, Tebuconazole.

Address: Rm 10-5, Shidai Square, No. 8, Jengjing Street, Ningbo 315010, Zhejiang, P.R. China
Tel.: +86 574 87301088 / 87302088 Fax: +86 574 87288208 E-mail: info@generic-chem.com


BASF's First F&P Plant in China Formally Started

Recently, over 100 people, including Markus Heldt, Corporate President of BASF Crop Protection, Albert Heuser, President and Chairman of Greater China at BASF, Wei Qiwen, Vice-director of ICAMA, Li Zhonghua, Secretary-general of CCPIA, relevant leaders from Rudong county, Jiangsu province as well as distributors of BASF from around the country gathered at Rudong Coastal Economic Development Zone in Jiangsu province to witness the opening ceremony of BASF's first F&P plant in China.

The newly built plant can produce and pack 10,000 tonnes of pesticide formulations annually, of which the solid fungicide/insecticide formulations account for 4,000 tonnes, liquid fungicide/insecticide formulations account for 4,000 tonnes, and herbicide formulations account for 2,000 tonnes. This means that BASF Crop Protection will provide its customers around the world with a wider range of crop protection solutions.

As one of the first multinationals in the agrochemical industry entering the Chinese market, BASF didn't have its own pesticide F&P plant in China. Markus Heldt, Corporate President of BASF Crop Protection, said that "the successful completion of BASF's new F&P plant in Rudong will ensure BASF's long-term development in China, and also further highlights BASF's firm commitment to meet the Chinese agricultural industry's, local farmers' and the market's demand." BASF will contribute its share to the Chinese agriculture, providing more crop solutions to the farmers in China and more service suiting local conditions to its distributors.

The visit to the plant made a full presentation of BASF's F&P plant. According to BASF's employees, the production base in Rudong covers an area of 58,000 square meters and its annual output reaches 10,000 tonnes, producing herbicide, fungicide, and insecticide formulations. Here with advanced automated formulation production processes and laboratory equipment, product quality will be strictly controlled; environmental protection will be ensured with pollution generated in the production process properly treated; and safety in production will be kept firmly in mind cause zero accident is the employee's target. Never compromising its principles in meeting up HSE requirements, the plant will firmly adhere to the global standards and constantly pursue an excellent production process to create perfect products.



Your Reliable Partner In China

Please contact AgroDragon for
Insecticides
Fungicides
Herbicides
Plant Growth Regulators
Rodenticides
Fertilizers

- 2,4-D 98% TC, 720g/L, 800g/L Amine Salt
- Atrazine 95% TC, 80 WP
- Cyprothrin 10% TC, 350g/L, 450g/L SL
- Diquat 95% TC, 125g/L EC
- Permethrin 42% TC, 240g/L SL
- Pendimethalin 95% TC, 330g/L EC
- Abamectin 95% TC, 18g/L, 30g/L EC
- Cypermethrin 94% TC, 100g/L EC
- Diazinon 95% TC, 600g/L EC
- Emamectin Benzoate 80% TC, 10g/L EC
- Imidacloprid 98% TC, 200g/L SL, 350g/L SC, 70 WS
- Chlorothaloxyl 98% TC, 75 WP
- Diflucanazole 95% TC, 250g/L EC
- Mancozeb 85% TC, 80 WP
- Tebuconazole 95% TC, 250g/L EW

PLEASE CONTACT AGRODRAGON FOR
 Headquarters:
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 Tel: 0086-21-51172568 / 51172567 / 50585321 / 50585322
 Fax: 0086-21-51172980
 Http: www.agrodragon.com
 E-mail: adragon@agrodragon.com
 Contact Person: Mr. Sharon Sun, Mr. Jesse Wang, Mr. Steven Zhang



ISO9001
ISO14001
GB/T28001

Changqing Shares: 002391

Company Introduction

Jiangsu Changqing Agrochemical Co., Ltd. is a national fixed-point pesticide manufacturer and the National Hi-Tech Enterprise. Company was listed on Shenzhen Stock Exchange in Apr., 2010 (Stock code: 002391).

Our company especially pays attention to scientific progress and technological innovation. At present we have two technical platforms (one National-level Post-doctoral Research Station and one Provincial-level Technology Center) and one Class A Quality Inspection Department. Besides, as the key Hi-Tech Enterprise of National Torch Plan, possessing a well-educated scientific research team, we have successfully accomplished many national and provincial projects.

With the strict management, we are evaluated as "National Integrity and Law-abiding Enterprise" by Ministry of Agriculture and as "An Enterprise of Keeping Promise and Honoring Contracts" by SAIC. We have been awarded as "An Enterprise of AAA Credit" for 14 years in succession. "Changqing" brand is "China Well-known Trademark". Our products enjoy the reputation of China Well-known products, National Key New products Provincial Hi-Tech products, Provincial Well-known products. The superior quality and after-sale service make our products sell well all over the domestic market and foreign market like Europe America and Southeast Asia.

Product List

- Clethodim 95%TECH
- Bentazone 96%TECH
- Benazolin-ethyl 96%TECH
- Nicosulfuron 97%TECH
- Mesotrione 95%TECH
- Climazone 90%TECH
- Climazone 95%TECH
- Lactofen 85%TECH
- Acifluorfen 90%TECH
- Fomesafen 98%TECH
- Fluroxypyr-ethyl 95%TECH
- Mazexpyr 96%TECH
- Bromoxynil octanoate 95%TECH
- Difluthiuron 95%TECH
- Pipronil 95%TECH
- Aceamiprid 97%TECH
- Imidacloprid 95%TECH
- Imidacloprid 98%TECH
- Ricyleazole 96%TECH
- Propiconazole 98%TECH
- Fenoxanil 95%TECH

江苏长青农化股份有限公司
JIANGSU CHANGQING AGROCHEMICAL CO., LTD.

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 Http: www.jcsq.com

Huapont Nutrichem Acquired 20% Shares of Albaugh, Intends to Develop International Glyphosate market

Recently, Huapont Nutrichem (hereafter referred as the company) announced that the company's wholly owned subsidiary, Nutrichem America signed the assignment of acquisition with Albaugh to purchase 20% shares of Albaugh. The investment achieved \$220 million dollars.

Albaugh is one of the largest generic agrochemical manufacturers in the US, with main products glyphosate, 2,4-D, dicamba, and atrazine etc. Currently Albaugh's glyphosate and 2,4-D's market share account for the second place globally right after Monsanto and Dow Agrosience respectively. What's more, its subsidiary Atanor occupied large proportion in Argentina agrochemical market.

Although Huapont Nutrichem has a share in domestic agrochemical market, it hasn't formed whole industrial

chain in respect of the said four products. Through the acquisition, Huapont Nutrichem will be guaranteed the product registration and distribution channels of PMIDA, glyphosate and dicamba etc.



Noposion Plans to Invest 730 Million Yuan to Build O2O Platform for Pesticide Projects



According to the announcement released on Aug 18th, via 733.1 million yuan's investment, Noposion intends to build a large O2O platform for agricultural projects, including assessment and development of new pesticide active ingredients, registration of new products, and supplement to the working capital, in the aim of promoting the informatization of the agricultural industry.

It is said that the total investment in the O2O platform for agricultural projects reached 291.3 million yuan. The completed project will include 100 regional plant protection technology service platforms based on the

O2O business mode. It is expected that the project will be completed within three years. Fund raising will be finished within the first year. The revenue of the company will rise significantly after the completion of the project, with sales rising by 957.60 million yuan and the net profit growing by 98.25 million yuan.

A total of 241.8 million yuan will be invested in the assessment and development of new pesticide active ingredients, as well as the following declaration and registration of the "three licenses." It is expected that in the coming three years, Noposion will register around 110 new pesticide compounds. Furthermore, given Noposion's current capital operation situation, production of new products in the future as well as business expansion need, the company plans to invest 200 million yuan in supplying working capital.

Noposion explained that, taking the technical personnel system as a link, the O2O platform for agricultural

Nantong Jiangshan's Pilot Production of Glyphosate SG Succeeded

Recently, Nantong Jiangshan's glyphosate SG pilot production succeeded. Each quality index of 68% glyphosate SG reached the quality standard one-time and the actual yield rate of glyphosate SG exceeded 95%.

The construction of production facility for glyphosate SG started in August, 2008 and completed by the end of 2013. During the pilot production period, the company attached great importance to the process reliability and safety of the production equipment and set up a team in charge of the pilot production. With the assist of the Technical Centre, the formulation production plant optimized the performance of the production equipment and processes and solved existing problems, such as deviation of the hoisting equipment orbit, temperature control of the oasthouse, delivery of liquid material, and one-step granulation. Till 19th, August 2014, the plant has yielded 14 tonnes of glyphosate SG.

For better and faster production, the company summed up experiences learnt from the pilot production meticulously, and plans to improve procedures such as personnel allocation, temperature control of fluidized beds, and material consumption. In the meantime, in order to reduce occupational hazards, the company plans to increase the number of ventilation facilities and staff air showers in workplaces. It is expected that the improved production facilities will raise the annual output of glyphosate SG to 1,200 tonnes.

The success of the pilot production of glyphosate SG marked the fact that Nantong Jiangshan has taken a solid step with its pesticide products towards "formulation" and "branding" development, which enhances the market competitiveness of "JIANGSHAN" products.



Metchem Enterprise Group, founded in 2001, is a diversified group in the field of agrochemicals. MEG has built a worldwide sales network, covering more than 50 countries and regions globally with over 150 partners. The accelerated supply chain has been leading MEG to be uniquely competitive in developing pesticides including Insecticides, Herbicides, Fungicides and Combinations. Sales revenue of MEG in 2011 reached USD 80 Million, and total export amount exceeded USD 60 Million. In the next five years, based on the international marketing advantage, MEG strives to develop itself to be an international market oriented manufacturing enterprise by implementing the strategy of "independent innovation, talent-oriented and brand construction".

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Shanghai, 201204, China
Tel: 0086-21-51082199 Fax: 0086-21-50276058
E-mail: manager@megchemical.com

	Technicals		Formulations
Herbicides	2,4-Dichlorophenoxy	96%	2,4-D dimethyl amine salt 86%SL,72%SL,48%SL
	Clethodim	94%	24%EC,12%EC
	Oxadiazon	96%	25%EC,38%SC
	Dicamba	98%	48%AS,70%WDG
	Atrazine	95%	50%SC,38%SC,90%WDG,80%WP,8%WP
	Pendimethalin	95%	33%EC
	Quizalofop-p-ethyl	95%	5%EC,8.8%EC,10.8%EC,12.5%EC,15%EC
	Nicosulfuron	95%	75%WDG
	Tribenuron-methyl	95%	75%WDG,10%WP
	Glyphosate	97%	41%SL,50%SP,62%IPA,75.7%SP,75%WSG
Insecticides	Chlorpyrifos	98%	15%GR,20%ME,30%EW,30%WP,48%EC
	Imidacloprid	97%	5%EC,5%WP,10%WP,20%SL,25%WP,70%WDG
	Acephate	95%	30%EC,40%EC,75%SP
	Abamectin	95%	10%SC,5%EW,1.8%EC,0.5%EC
	Emamectin Benzoate	75%	5.7%WDG
	Aluminium phosphide	85%	56%TB
Fungicides	Metaldehyde	98%	5%GR,10%GR,40%SC
	Carbendazim	98%	50%SC,40%SC,25%WP,50%WP,80%WP
	Tebuconazole	97%	12.5%EW,12.5%WP,12.5%ME,80%WP,43%SC,25%EC
	Difenoconazole	95%	10%ME,10%SC,40%SC,25%EC,10%WDG
	Propiconazole	95%	25%EC
	Azoxystrobin	95%	25%SC,50%WDG
	Kasugamycin	70%	2%SL,2%WP,8%WP
	Dimethomorph	97%	10%EW,50%WP,50%WDG,80%WDG

Collaboration leads to success

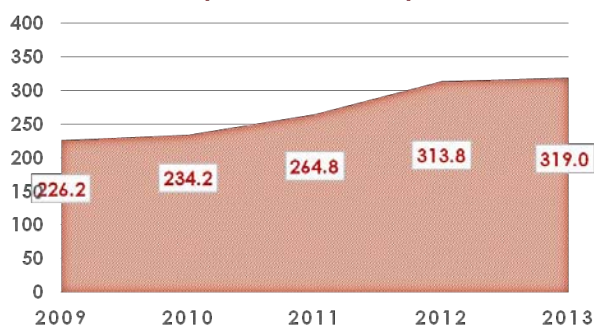


CCPIA Chairman Sun Shubao was Invited to Make Speech on IUPAC Conference, China Formulation Industry Caught Global Attention

Recently, the 13th IUPAC International Congress on Pesticide Chemistry was held in San Francisco, the United States. Sun Shubao, Chairman of China Crop Protection Industry Association (CCPIA), was invited to attend the congress and make a speech on the application and development of the Chinese pesticide formulations as an important theme. Following is the original speech:



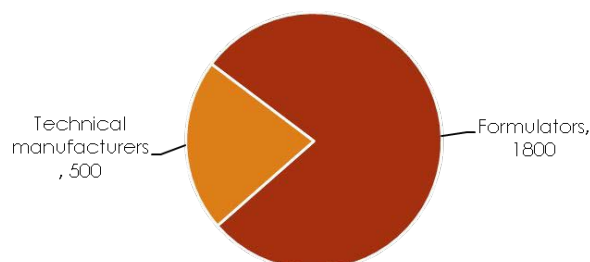
**OUTPUT OF PESTICIDE TECHNICAL
(10,000 TONNES)**



China is a major generic pesticide manufacturer across the world. According to National Bureau of Statistics, in 2013, output of pesticide technical reached 3.19 million tonnes in China, hit a historical high. And based on some certain report, currently, about 70% of global pesticide technical is produced here and exported to some 170 countries every year. Meanwhile, formulation export has been growing rapidly in recent years. Some countries of Africa and Southeast Asia are weak in formulation processing while the pesticide formulation demand of such countries is continuously increasing, hence the export market of Chinese formulation welcomed its opportunity.

Currently there are more than 2300 pesticide enterprises operating in China, of which some 500 are with matching technical production facilities and the others are formulators. Hundreds varieties of pesticides are produced by these manufacturers every year. Even though China plays an important role in pesticide technical manufacturing, it's still on the way of exploring

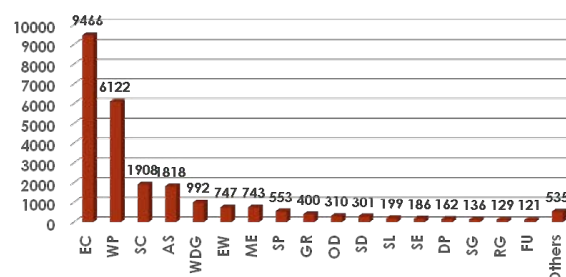
Composition of Chinese pesticide enterprises



in respect of formulations. In China, over 35% of market share of pesticide formulations are occupied by multinational corporations, of which the digit is still growth, reflects that formulations and terminal products are the weak spot of China pesticide industry.

Nowadays, EC and WP still accounts for the largest proportion of the existing registered formulations. And over 70% of market share is still under the control of traditional formulations, EC and WP for example. You

**Number of formulations registered in China
(data updated by the end of 2013)**





might be wonder what was going on during the past few decades in China formulation industry. Here's the story:

Since 1980s, Chinese government has paid much attention on phasing out Highly Hazardous Pesticides (HHPs). In 1983 and 2007, high toxic organochlorine and organophosphorus pesticides were banned respectively. Representatives of these two categories are BHC, DDT, methamidophos, phosphamidon and so on. Back to that era, organochlorines and organophosphorus are the main force of pesticides using in China, and major formulation types of these two categories are EC, WP, and DP. Banning of the said pesticides made the proportion of EC, WP, and DP formulations reduce radically. Meanwhile many new environmental friendly formulations have been researched and developed to replace the traditional ones. However the dominant position of traditional formulations weren't changed.

Generally, AS is the acknowledged environmental friendly formulation, however for some reasons, some ais' AS formulations have been banned in China. On Feb 25th 2009, registrations of glyphosate AS with active ingredient content lower than 30% have been phased out for the reason that some Chinese glyphosate manufacturers used glyphosate mother liquor to prepare low content AS which contains large amount of organic component and salts, and resulted in serious pollution and harden field. Coincidentally, on Apr 24th 2012, Chinese pesticide administration issued Announcement No. 1745, declared that since Jul 1st 2014, production

of paraquat AS using for domestic should be banned. And the reason is that according to some certain investigation, drinking paraquat AS is a common way of suicides in rural China. Now SG and GW are two new formulations of paraquat which are registered in China. However dust problem during production of SG and package recycling problem of GW are main limit for the new formulations.

Five years ago, one of the pesticide administrations in China, MIIT, halted approving of newly increased production of EC formulations. The ban impacted some main active ingredients whose best formulation match is EC. Hence such move caused controversy in China pesticide industry. Many enterprises have been dedicated to recovering the production of EC formulations during the past few years but not fulfilled. When it came into 2013, the government began to focus on controlling of air and water pollution, and started to realize that EC doesn't cause the pollutants, but the harmful solvents do. Hence on Oct 23rd 2013, Limit Standard for Harmful Solvents in EC Formulations was issued, some certain harmful solvents were set definite limits and the Standard has already been implemented since Mar 1st 2014. The move no doubt improves the threshold of entering into EC market in China. In the future, safety, environmental friendly, high-efficiency, economical and convenient are the key words and development tendency of EC formulations in China.

Recently, using 2,4-D butyl ester EC generated phytotoxicity on some certain crops in Northeast China, especially on the non-targeted crops through transpiration. Now ICAMA is organizing to do the re-evaluation on the product.

In respect of formulation production process, during the past few decades, the mode of production gradually changed from handwork to automation, and the high-tech automation will be no doubt the future trend of the pesticide formulation industry.

What challenges will be on the way of development?

As mentioned at very beginning, there are about 1800 formulators in China, actually, most of the enterprises are very small with annual sales less than 15 million dollars. Small scale of the enterprises brings up some certain problems. The first one is that the formulators can't afford environmental protection facilities due



to relatively high price. The second one is that the automation level of these formulators are generally low, which hinders the formulation proceeding level of the whole industry. What's more, lots of small enterprises will bring up the challenge on disorder competition in the formulation market. Small enterprises are generally weak in risk prevention. To enhance the strength of small companies, the government has been encouraging mergers and acquisitions, which promotes the pesticide formulators to become stronger.


Large scale of crop cultivation is a general trend; it also brings some revolutions on pesticide formulation application. Now in China, over a million tonnes of pesticides are used every year for crop cultivation. With over 103000 professional organizations for large scale of crop protection services, 1.51 million professional employees and 1.45 million sets of large-and-medium-sized crop protection facilities, 10.7 million acres of planting area can be sprayed per day. Meanwhile, automation level has been improving continually. Since small-scale growers are still primary form in rural China, small unmanned aerial vehicles are more and more popularized. With application changing during decades, formulations also changed accordingly. Lower dilution ratio and higher rate of sinking force are required. Large scale of crop protection promotes large formulation packaging. It also leads to a huge reduction of pesticide residue and dust floating during spraying. Moreover, land transfer system's development also triggered the promotion of large scale of crop protection.

Even though large scale of crop protection has been started and developed well in China recently, in some rural area most young adults prefer to work in the cities, the left old men and children do not know how to use pesticide safely and scientifically, which leads to phytotoxicity on crops and high-residue in land, even rural nonpoint pollution. In such villages people also tend to cultivate based on family unit instead of large scale cultivation.

On the other hand, products are also a main reason that results in rural nonpoint pollution. Some enterprises produced formulations with higher content of active ingredients than labelled, which directly leads to serious pollution. In respect of such cases, the government has started to build up accountability system so as to supervise the illegal enterprises.

However the challenge for the government is that source of the pollution is hard to be traced accurately with so many formulators out there, and fake products make it even harder. The challenge for the enterprises is that pressure of environmental protection has been higher than ever before.


上海禾本药业有限公司
 Shanghai Heben-Eastsun Medicaments Co., Ltd.



Company profile

Shanghai Heben-Eastsun Medicaments Co., Ltd. is a Government-appointed enterprise for the Manufacture. We Sell our products both to Domestic and International markets. The formulation including WDG, SC, EC, DF, WP. With advanced production processing lines, Quality control measures, Sound and Independent laboratories. We absorb the decades of quintessence from production technology of pesticide at home and abroad.

We are the first one to get the ICAMA of Azoxystrobin in China. The registration NO is: PD20101528. And we will have the ICAMA of Thiamethoxam this year. I think we will be your best supplier in China. We are looking forward to cooperate with you.

OUR KEY PRODUCTS LIST	
Thiamethoxam	98%TC
Thiamethoxam	25%WDG
Azoxystrobin	96.5%min
Cyproconazole	93.0%min
Tebuconazole	96.0%min
Flutriafol	93.0%min
Metazachlor	98.0%min
Azoxystrobin	25% SC 50% WDG 70% WDG
Azoxystrobin+Cyproconazole	20%+8% SC
Azoxystrobin+Difenoconazole	20%+12.5% SC
Azoxystrobin+Tebuconazole	20%+20% SC
Azoxystrobin+Flutriafol	25%+25% SC
Tebuconazole	25% 80%WP 43%SC
Flutriafol	25%SC 12.5% SC 50%WP 80%WDG
Folpet	50%, 80% WP ,WDG
Thiodicarb	30% SC 37.5%SC 80%WDG 75% WP
Carbendazim	50%, 80% WDG 50% SC 75%WP
Metalaxyl 8%+Mancozeb 64%	72%WDG WP
Pirimicarb	50% WP, WDG
Tricyclazole	75% WDG
Captan	50%, 80% WDG
Imidacloprid	70%, 75% WDG, WP
Paclobutrazol	150g/L, 250g/L SC
Nicosamide	70% WDG, WP
Emamectin benzoate	5% WDG

Contact: Timeus (Export Manager) M.P. +86-15800800877
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 SHANGHAI HEBEN EASTSUN MEDICMENTS CO., LTD

CCPIA, CropLife & NATESC Jointly Promoted Training on Using Pesticide Safely and Scientifically & Recycling Pesticide Package Wastes

Recently, the "Training on Using Pesticide Safely and Scientifically & Recycling Pesticide Package Wastes" was successfully held in Qionghai City, Hainan Province by CCPIA, NATESC, and CropLife China. More than 120 representatives from CCPIA, ICAMA, NATESC, CropLife, relevant provincial governmental departments and over 30 pesticide companies attended the training.

The training aims to publicize knowledge and technology on using pesticide safely and scientifically, reduce the pollution of pesticide package wastes to farmlands, explore the measures for recycling pesticide package wastes, promote ecological safety management work of farmlands.

During the training, CCPIA Committee for Using



Pesticide Safely and Scientifically, together with five of its members, Hailir Pesticides and Chemicals Group, Shandong Kexin Biochemical Co., Ltd., Kesai Agrochem, Bayer Crop Science (China) Co., Ltd. and Syngenta (China) Investment Co., Ltd., made a proposal, hoping that more industry people could participate in the work of "using pesticide safely and scientifically and recycling pesticide package wastes", enable it to be carried out in a long run, gather the strength of all parties, undertake social responsibility and make efforts for the sustainable development of agriculture.



CCPIA Devoted to Promoting Using Pesticide Safely and Scientifically



In April, CCPIA Committee for Using Pesticide Safely and Scientifically was officially established. In line with the social responsibility and care awareness of enterprises and the objectives of enhance the popularization of the technology for using pesticide safety and scientifically, advocating social responsibility and care of enterprises, providing new products and technology for using pesticide safety and scientifically and making efforts to increase agricultural production and food safety, the Committee has carried out 66 training programs titled "Training on Using Pesticide Safely and Scientifically" in only five months and trained over 3500 people.

The training was greatly supported by domestic and foreign enterprises. In July, the "Training on Using Pesticide Safely and Scientifically" and "Yipaole Offers A New Future for Convenient Weed Control in Rice

Fields" were held in the rice field in Fengtai County, Anhui Province by CCPIA and Kesai Agrochem, aiming to publicize new ideas on using pesticide safely and scientifically and the new weed control trend in rice fields featured by efficiency, low toxicity, environmental protection and convenience to distributors and farmers.

Li Hongyuan, Deputy General Manager of Kesai Agrochem, said, Kesai Agrochem has been dedicated to the R&D, production and sales of efficient, low-toxic and less-persistent herbicides and has successfully introduced "Yipaole" effervescent tablets, a new formulation, into the weed control in rice fields; and it is also the first Chinese enterprise that has obtained the first registration of 16.5% pretilachlor pyrazosulfuron-ethyl PP (Yipaole). The use of "Yipaole" can reduce labor cost and is also convenient and safe.



June 13, 2014 Wuchang City, Heilongjiang Province



June 10, 2014 Jiangjiadian Village, Dehui City, Jilin Province



June 18, 2014 Zhuxi Town, Kaixian County, Chongqing



June 10, 2014 Xiaodian Village, Zhuolu County, Zhangjiakou



Moreover, the training activities held by CCPIA Committee for Using Pesticide Safely and Scientifically also received great support from large domestic and international companies such as Sinochem Agro Co., Ltd. and Bayer. To implement social responsibility and care, carry out the safe and scientific pesticide use effectively in fields, protect the environment human lives on and ensure the safety of agricultural products are the enduring visions of the Committee.

The 7th China Agrochemical Innovation Awards by CCPIA – Technology Innovation Awards Released

“China Agrochemical Innovation Awards” evaluates and presents awards once every year in the aim of giving incentives to excellent teams or individuals for their significant contribution to the development of the Chinese pesticide industry. Commissioned by China Crop Protection Industry Association (CCPIA), the China Agrochemical Innovation Award Review Office organized the evaluation work for the 7th China Agrochemical

Innovation Awards – Technology Innovation Awards in accordance with The Evaluation Method of the 7th China Agrochemical Innovation Awards through June to August, 2014. There are 27 projects to be awarded altogether. The detailed awards will be announced and presented on the 2014 AgroChemEx Conference on 28th, October.

The 7th China Agrochemical Innovation Awards – List of Projects to be Granted with Technology Innovation Awards

No.	Project	Company
1	New synthetic process of nicosulfuron TC and industrialization of its formulation	Anhui JiuYi Agriculture Co., Ltd.
2	Research and industrialization development of botanical spray synergist	Beijing Grand AgroChem., Ltd.
3	R&D of a novel antiviral “Bingduxing”	Guangxi Tianyuan Biochemistry Corp., Ltd.
4	R&D and industrialization of 70% imidacloprid WDG	Hailir Pesticides and Chemicals Group
5	Development and application of environment-friendly hot fogging formulation for tropical crops	Hainan Neemtech Bio-Pesticide Co., Ltd.
6	Development and application of new large-particle herbicide floating formulation in rice fields	Hunan Dafang Agricultural Chemicals Co., Ltd.

7	Technology development and application of a new botanical pesticide "Luokuwei" made from oil tea	Hunan Jingxi Xianglong Chemical Industry Co., Ltd.
8	Study of the synthesis of nicosulfuron's intermediate sulfamide through "liquid phase reaction instead of gas liquid reaction"	Jiangsu Fengshan Group Co., Ltd.
9	A new triazolone SC and its preparation method	Jiangsu Sword Agrochemicals Co., Ltd.
10	Development and industrialization of a new synthetic process of thiophanate-methyl	Jiangsu Lanfeng Biochemical Co., Ltd.
11	Key production technologies of highly effective and environment-friendly fungicide flutriafol and the industrialization of relevant environmentally friendly formulation projects	Jiangsu Sevencontinent Green Chemical Co., Ltd.,
12	Development and industrialization of key clean production technologies of green pesticides	Jiangsu Yangnong Chemical Co., Ltd. & Jiangsu Youjia Chemical Co., Ltd.
13	Pilot scale test and demonstration of 25% ethirimol	Jiangxi Heyi Chemicals Co., Ltd.
14	Clean production processes and application of prochloraz and its intermediates	Rosi Chemical Co., Ltd.
15	Study of an annual output of 25,000 tonnes of pyridine base and its industrialization	Nanjing Red Sun Co., Ltd.
16	Construction of the GLP system for evaluating China's pesticide safety	Institute for the Control of Agrochemicals, MOA
17	Synthesis of highly active herbicide fluazifop-p-butylp	Shandong Binnong Technology Co., Ltd.
18	Development and application of convenient paddy-field herbicide —pyrazosulfuron-ethyl·pretilachlor effervescent tablets ("Yipaole")	Shandong Kesai Agrochem Co., Ltd.
19	Environmental-friendly 2,4-D dimethylamine salt SG	Shandong Weifang Rainbow Chemical Co.,Ltd.
20	Formulation processes and application of effective herbicide clethodim	Shandong Cynda Chemical Co., LTD.
21	Formulation and industrialization of effective fungicide pyraoxystrobin	Shenyang Research Institute of Chemical Industry
22	Application of new research techniques for reaction risks in safe pesticide production, amplification study and process optimization	Shenyang Sciencreat Chemicals
23	Industrialization of the new effective fungicide bupirimate	Xi'an Mpc Stock Co., Ltd.
24	New green synthetic process of thifluzamide	Yancheng Limin Chemical Co., Ltd.
25	Resource utilization of organic phosphorus wastewater and industrialization technologies for efficient wastewater treatment	Zhejiang Wynca Chemical Industry Group Co., Ltd.
26	Development and application of key environment-friendly continuous production technologies for drying and grinding of chemical solid materials	Zhejiang Zhongshan Chemical Industry Group Co., Ltd.
27	R&D of 12% emamectin benzoate+flubendiamide ME	Sino-Agri Leading BioSciences Co., Ltd.

Myanmar - The Last Cake in the Asian Agrochemical Market



fine breeds. Additionally, the government's actions to vitalize its agriculture, such as increasing agricultural loan, lowering loan interest rate, and exempting import tariff on agricultural goods like fertilizer, pesticide, farm tools and agricultural machinery, have provided great opportunities for the significant development of its agriculture as well as the entry of foreign investment.

Myanmar's pesticide market

Myanmar's pesticide market has long relied on the import from Thailand, Vietnam and Myanmar-China border trade. In 2013, China's export volume to Thailand was 370 million dollars, that to Vietnam was 320 million dollars while that to Myanmar was only 21.4 million dollars, showing a great difference. Of the usage amount of pesticides in Myanmar, that of insecticide accounts for 65%, bactericide 16%, herbicide 22%, and other 2%. As Myanmar has not been open to the outside world for too long, it lacks plant protection knowledge and product and sales network. The current market state of Myanmar is about what Vietnam's market was like ten years ago. There are only about 15 large pesticide dealers in Myanmar. In the meantime, due to political reasons, the products from transnational companies can't

Emergency of a new market

Recently, Myanmar actively promoted economic and political reform, and increased the investment in introducing agricultural and scientific technology and so on. Among the priority import commodities announced by the Myanmar Ministry of Commerce, the first-category of such commodities include: agricultural goods such as agricultural machinery, pesticide, fertilizer and

enter the Myanmar market, so they face a relatively low market competition pressure. As the pesticide registration in Myanmar is under the administration of its Ministry of Agriculture, its registration policy is relatively easier than that in China. According to the Ministry of Agriculture of Myanmar, the agrochemical market volume of Myanmar is about 500 million dollars.

Comparison of pesticide use between Myanmar and its neighboring countries

Country	Myanmar	Thailand	Vietnam
Cultivated area (hectare)	11,984,000	19,750,000	10,072,000
Total investment in crop protection products (USD)	70,000,000	800,000,000	700,000,000
Investment in plant protection products in unit area (USD/hectare)	5.8	41	70

Review on ACE in Myanmar

Organized by China Crop Protection Industry Association, 2th ACE-Myanmar was held in November 7 – 8, 2013 in Yangon, Myanmar. The exhibition, with a total area of 1,300 square meters, attracted 74 exhibitors from China, Myanmar, India, etc., and over 1,200 audiences in the industry from Myanmar, China, India and Germany and so on. The exhibition has set up a communication and sharing platform for exhibitors and visitors, on which a lot of transactions were concluded in friendly talks. Many

exhibitors and visitors expressed that they gained a lot during the exhibition.

The "Asia Agrochemical summit Forum" held during the exhibition invited government officials responsible for pesticide management from China, Vietnam, Myanmar and Thailand and so on, who introduced the pesticide management, registration, use and import & export of their own countries.


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 Anhui Guangxin Agrochemical Co., Ltd.

COMPANY PROFILE

ANHUI GUANGXIN AGROCHEMICAL CO., LTD (AGA) was firstly established in 1993, state-designated pesticide production enterprises, main products including the tens of technical materials and new formulations of fungicide, herbicide and insecticide.

The high-efficiency and low-toxicity CARBENDAZIM boast the top quality in the agrochemical industry, and its production capacity ranks the No. 1 in the world. AGA is also China's first private enterprise in producing phosgene and phosgenation products, which has filled the gaps in Anhui Province. Its other main products, like Thiophanate methyl, Diuron, Glyphosate, Chlorpyrifos, etc, also hold certain market share, and are used widely and built good reputation.

We are looking forward to making friendly and extensive cooperation with every client to create a bright future together!

PRODUCT LIST

Fungicide
 Carbendazim Thiophanate methyl

Herbicide
 Glyphosate Diuron
 Isoproturon Hexazinone

Insecticide
 Chlorpyrifos Imidacloprid

Intermediates & Phosgenation products
 O-phenylenediamine (OPDA) 3,4-Dichloroaniline
 2-Cyanophenol 3,4-Dichlorophenyl isocyanate
 Methyl Chloroformate 3,5-Dichlorophenyl isocyanate



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- ★ Asia's largest manufacturer of Fenoxaprop-P-ethyl
- ★ China's largest manufacturer of Quinclorac
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- ★ National Enterprises of "Keeping Promise & Honouring Contracts"
- ★ Top 10 Enterprise in the Pesticide Industry Responsible Care

Main Technicals

Monosultap	Butachlor
Cartap Hydrochloride	Pretilachlor
Thiocyclam-hydrogenoxalate	Metsulfuron-methyl
Dimehypo	Tribenuron-methyl
Pymetrozine	Nicosulfuron
Bentazone	Bensulfuron-methyl
Quizalofop-P-ethyl	Pyrazosulfuron-ethyl
Quinclorac TC	Chlorimuron-ethyl
Fenoxaprop-P-ethyl	Mefenpyr-diethyl

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The 4th International Agrochemical Exhibition in Indonesia & Asian Crop Protection Forum Concluded

The 4th International Agrochemical Exhibition in Indonesia & Asian Crop Protection Forum, which received much attention from the industry, was successfully held by CCPIA in Djakarta, Indonesia on August 11, 2014.

The two-day exhibition attracted over 800 trade visitors from Indonesia, China, Thailand, India, Singapore, Malaysia, Japan, Turkey, Iraq, United Arab Emirates, Belgium, Germany, etc. The Agricultural Water Conservancy Association of Indonesia that worked closely with the exhibition actively organized its members to participate in and visit the exhibition. As its members are from a variety of industries and include a lot of farmers, it helped expand the communication channels of exhibitors, helped local enterprises to enhance their brand images and developed more potential trade relations.



CCPIA Devoted to Helping Companies to Promote and Develop Eastern Europe Pesticide Market

Recently, China Crop Protection Industry Association (CCPIA) and China National Chemical Information Center (CNCIC) jointly held the International Agrochemical Exhibition in Turkey & 2nd Eastern Europe Crop Protection Forum.

Some 60 enterprises participated in the exhibition, including 34 renowned Chinese enterprises represented by Sinochem, Zhejiang Wynca Chemical Group, Nanjing Red Sun, and Trustchem. Other enterprises were from Turkey, India, Ukraine, etc. The exhibition gathered over 400 experts and traders in the crop protection industry from Turkey, Middle East, Africa and Southeast Asia.

The Exhibition has effectively promoted the cooperation and strengthened the bilateral trade relationship between China and Turkey in the agricultural field. The event has also established a special platform for manufacturers' pesticides, fertilizers and pesticide production equipment, and enhanced the communication and cooperation between Chinese agrochemical traders and Turkey. Through the event, Chinese enterprises are able to learn the demand of the local market in a more comprehensive and deeper way and communicate with local customers effectively.

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FUHUATONGDA AGRO-CHEMICAL TECHNOLOGY CO., LTD.



Sichuan Leshan Fuhua Tongda Agro-Chemical Technology Co. Ltd, specializes in glyphosate manufacturing, with current annual Glyphosate 95% Tech production capacity of 120,000Mt(glycine route). It is the largest producer in China and the second largest world-wide. Fuhua is projecting an increase in capacity of 120,000Mt per annum in three years' time by fully utilizing the advantages of its integrated industrial production chain involving phosphorus, brine, glyphosate and silicone, making it to be the most competitive glyphosate producer in the field. The factory is located in Leshan city, Sichuan Province, an area with extensive resources for glyphosate manufacturing, while the international sales office is located in Shanghai. Fuhua exports glyphosate to America, Asia, Africa, Oceania and Europe, with over 2000 employees around the world.

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 - FLUROXYPYR ISOCTYL ESTER 98% TECH
- SODIUM TRIPOLYPHOSPHATE 94%
 - SODIUM PERCARBONATE 13.5%
 - PARAFORMALDEHYDE 95%
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 - GLYCINE 99%



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