



## WCA Hub & Regulatory Workshop

### The West & Central Africa Hub and Regulatory meeting took place on 5 & 6 May in Abidjan, Cote d'Ivoire

More than 60 participants representing the member companies of CropLife AME, the national associations of the hub, regulatory and registration authorities from Benin, Côte d'Ivoire, Ghana and the CILSS-CSP. Also present were representatives from the ECOWAS Commission for Agriculture, Environment and Water Resources, le Conseil du Café-Cacao of Cote d'Ivoire, the World Cocoa Foundation (WCF) in Cote d'Ivoire, the extension service (ANADER) of Cote d'Ivoire, the national agricultural service (CNRA) of Cote d'Ivoire, UTZ Certified and various partners of CropLife Cote d'Ivoire.

The aim of this annual event was to address topical issues such as EDs, HHPs and Pollinators and potential impacts on African agriculture and trade related aspects. Other key topics covered related to the promotion of intellectual property rights through specifications and equivalence assessment, and the spray service provider (SSP) program.

Discussions highlighted covered:

- The debate surrounding EDs, HHPs and Pollinators, in all cases the non-scientific evidence placed on these three areas and the resulting trade impact. The issues, especially on EDs and HHP's are on the agenda of the upcoming Fourth International Conference on Chemicals Management (ICCM4) meeting in September 2015. The potential trade impact, particularly for Africa was stressed if important crops protection products are withdrawn owing to their evaluation being based on hazard rather than on risk.
- The findings of the IFPRI study on the role of agricultural technologies in response to climate change were highlighted. The positive impacts of technologies offered through crop protection, biotechnology, and no-till agriculture related to increased yields, food security, food prices, and better nutrition whilst offering a reduced "footprint" in SSA was covered. Some available materials covering advocacy and outreach on the study were presented.



Mr Siaka M. Coulibaly (left) Director of Cabinet, Ministry of Agriculture, Cote d'Ivoire with Dr Lapodini Marc Atouga (Right) ECOWAS Commissioner Agriculture, Environment and Water Resources.

The topics mentioned served as the basis for 3 working groups covering EDs, HHPs and Pollinator health issues to provide ideas, which could help in the preparation for the ICCM4 meeting.

For each issue the groups were asked to provide guidance on:

- How to ensure the dissemination of information on the ongoing policy issues
- How to ensure that the risk-based approach is used for regulatory decisions
- How to promote the “benefits-risks” approach for agricultural production

The outcome of the session is provided in the minutes of the workshop.

**Bama Yao**



**Mr Siaka M. Coulibaly, Director of Cabinet, Ministry of Agriculture, Cote d'Ivoire** addressing the meeting



Group Photo



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## Stewardship

### CropLife Cote d'Ivoire Conducts Training of Trainers on Responsible Use of Pesticides

The workshop took place 8 - 13 May, in Korhogo, Côte d'Ivoire and included 20 participants from the extension service ANADER, the German Project PROFIAB, and organizations involved in vegetable production in northern Cote d'Ivoire.

The workshop was organized under the German project for the Promotion of Agricultural Value Chains and the Biodiversity (Promotion des Filières Agricoles et de la Biodiversité, PROFIAB) for capacity building of a pool of trainers involved in vegetable production in northern Cote d'Ivoire.

The program was facilitated by Roger Yeboue, Executive Secretary of CropLife CI focused on the below topics:

- The SDF model to provide basics on the training approaches for trainers
- Pesticide regulations in Cote d'Ivoire
- Pest and Pest Management
- Pesticides, formulations and toxicity
- Labels and the Labelling of Pesticides
- Guidance for buying pesticides
- Personal Protective Equipment
- First Aid
- The management of empty containers
- Counterfeit and Illegal pesticides
- Parts of a sprayer
- Nozzles and droplet size
- Calibration of sprayer
- Mixing and applying pesticides
- Maintenance of sprayers

Participants were evaluated through pre and post-tests for the theoretical session. For the practical session each participant had to prepare and present a lesson to the group. All participants scored 50% or higher and were presented certificates of competence.

**Bama Yao**



A group work session (Above) and the session covering sprayer parts (Right).



Participants facilitated lessons (Above) and were then awarded certificates of competence (Right)



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## CropLife Cote d'Ivoire: Training Workshop on Responsible Use of Pesticides in Cocoa Production

The training took place on 19 & 20 May, in Yamoussoukro, Cote d'Ivoire and participants comprised of 40 Regional Delegates, Officers of the Inputs Management Department of the Conseil du Café-Cacao (CCC) of Cote d'Ivoire. Four journalists attended the opening session and reported positively on the program.

The aim of the exercise was to strengthen the capacity of the participants on issues related to the responsible use of pesticides, and on the serious issue of counterfeit and illegal products in cocoa production. The CCC and the Directorate of Crop Protection (DPVCQ) of the Ministry of Agriculture with the support of CropLife CI jointly organized the 2-day program.

The Director of DPVCQ who stressed the following concerns conducted the opening ceremony:

- The irresponsible use of pesticides in cocoa production, and the extent to which counterfeit and illegal pesticides are found on the market are serious threats for the sustainability of the cocoa economy
- Pesticides are indispensable tools in cocoa production
- As the same time health of workers and of consumers must be a priority for all stakeholders
- The relatively high level of illegal pesticides is a threat not only to the national economy but also for legally established suppliers of pesticides
- The above-mentioned situation means there is a need to take vigorous actions to combat the illegal trade on pesticides

The training was facilitated by the DPVCQ and CropLife CI/AME and covered the following:

- Basics on pesticides
- Risks associated with the misuse of pesticides
- Labels/Labeling and Pictograms
- Responsible Use of pesticides and Stewardship
- Counterfeit and Illegal trade of pesticides

The program was well appreciated with the next step to organize a similar training for ANADER the extension service targeting agents and officers involved in cocoa programs.

Bama Yao



The Director of DPVCQ (Above second from left) during the opening ceremony and a partial view of the participants (right) Photos: Courtesy CropLife Cote d'Ivoire



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## Container Management Workshop: Wellington - South Africa



L-R Koos Kriel, Nulandis, Hannes Schoeman, Monsanto and Lex Visser, Wenkem

In terms of the CLI Container Management Project Team measurements, South Africa is the only country in Africa to have a “mature” container management scheme operating.

This is mainly due to level of containers collected and the importance of the fresh produce exports to the EU and the role of GlobalGAP standards.

On 22 May, a workshop took place in Wellington, in the Cape with a focus on “what can be done to better improve the rate of collections”.

Thirty participants attended, covering a range of stakeholders but primarily those representing the key agro-dealerships operating in the Western Cape fruit and vine areas.

The agenda covered the existing CropLife South Africa container management program, an international overview on container management as well as developments in Africa.

This was followed by a presentation on GlobalGAP standards and how local initiatives can be incorporated to benefit the situation of “triple rinsing and puncturing” empty containers.

The agenda moved on to “what the sales person / agent can do to help improve the situation”. “What the needs of a collector are” and “the needs of a recycler”

An open discussion forum was then facilitated and an action list developed. This will be managed by CropLife South Africa and a follow-up conveyed to the group at the next “Cape Working Group” meeting.

**Les Hillowitz**



Fanie van der Merwe of Dow facilitating the “action section”

Below: The Workshop in Progress



L-R Lindi Beniċ, Manager: Trade & Market Access Affairs, Hortgro and Dr. Elmé Coetzer, GlobalGAP



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### BEECON 2015

The KZN Bee Farmers Association hosted BEECON 2015 on 29 & 30 May.

A great deal of Friday 29<sup>th</sup> was devoted to the Royal Agricultural Show in Pietermaritzburg and the visit to the Honey Hall and view the last remaining Apiary Show in South Africa and see the care that the KZN Bee Farmers Association takes in educating the public on bees and their importance.

Saturday's agenda covered:

- Climate change and the impact for beekeepers
- Education and training in beekeeping
- Capensis and other challenges
- Crop protection and bee health in South Africa (presentation delivered by Dirk Uys of Bayer)
- Bee Health – a South African perspective
- The spread of America Foulbrood disease (AFB)
- AFB disease workshop (run by Mike Allsopp)

Approximately 100 delegates attended the symposium.

Les Hillowitz



L-R, Dirk Uys, Bayer CropScience and Jaco Wolfaardt ExCo member of SABIO



Delegates at the symposium



## CropLife Zambia Signs MOU to Train 200 Farmer Business Advisers in “Responsible Use” of Pesticides

CropLife Zambia is targeting to train 200 Farm Business Advisors (FBA) in responsible use of pesticides by mid-July 2015. The FBAs are lead farmers who provide extension services to fellow farmers and working under the support of an organisation called International Development Enterprises (iDE).

iDE is a non-profit organization established to facilitate the increase of household incomes amongst rural poor smallholder farmers. In its aim to contribute to the reduction of poverty among rural smallholder farmers, iDE provides support that can generate sustainable incomes and livelihoods especially for poor households. It does this by connecting smallholder farmers to various private sector players to access products and services through Farm Business Advisors, using value chain and market-based approaches.

iDE Zambia is implementing a two-year Smallholder Agricultural Reform through Enterprise Development (SHARED) project whose main objective is to “reduce rural poverty and promote sustainable livelihoods of 20,000 farmers in Zambia. This to be achieved by strengthening the role of the private sector to farmers through a network of 200 Farm Business Advisors.

On 24 April, CropLife Zambia and iDE signed a Memorandum of Understanding (MOU) to establish a framework for cooperation between the Parties under which CropLife Zambia will provide technical support to iDE related to building the capacity of Farm Business Advisors (FBAs), including the delivery of training activities. Also included will be follow-up support to FBAs and field officers in line with the development and promotion of Integrated Pest Management (IPM), responsible and effective use of pesticides, based on agreed work plans. This will run until 23rd April 2016.

A contract to train the FBAs will be signed on Wednesday, 3 June. The purpose of the training is to equip the FBAs with the knowledge, skills and competence in the responsible use of plant protection products in accordance with requirements of current national and regional regulations. The application of skills acquired by FBAs, once passed onto smallholder farmers will contribute to achieving responsible use of pesticides, specifically by “reducing the risks of pesticide use on human health and the environment and the promotion of integrated pest management practices.”

The 200 FBAs will be trained from 12 districts in which iDE operates. The training will be conducted by CropLife Africa Middle East.

The two parties are in an advanced stage of agreeing on the establishment of a Spray Service Providers (SSP) program with the 200 FBAs to provide spray services to other farmers. It is foreseen that that after this initial training, an addendum will be signed to commence with a SSP pilot program which is expected to commence at the start on the next season in November 2015.

iDE accepts that the SSP concept addresses responsible use among smallholder farmers and is keen on taking on the concept within their system.

Perry Ngoma

Chola Kamaki, President of CropLife Zambia signing the MOU



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## Ghana Introduces SSPs in Soybean, Mango and Pineapple



Demonstration on calibration



Classroom Training



Distribution of PPE

CropLife Ghana introduced, in collaboration with the IFDC/2Scale project, the Spray Service Provider (SSP) concept among soybean, mango and pineapple farmers. In April and in May, 45 farmers from 3 different commodity groups followed the SSP training. The feedback from those that were trained was very positive. Some stated that they never realized that the application of pesticides involves so much knowledge and skills.

All SSPs received a full set of Personal Protective Equipment (PPE), sponsored by the project. Four more training programs are scheduled over the next two months at which a further 55 SSPs will be trained. Two of the groups are active in vegetable production. In total, 100 SSPs will reach at least 2,000 farmers in their communities.

Early in 2015 CropLife Ghana signed a contract with the Agribusiness Clusters in the Toward Sustainable Clusters in Agribusiness through Learning in Entrepreneurship (2Scale) project implemented by the International Fertilizer Development Centre (IFDC). The 2Scale project is trying to form commodity clusters in which all actors in a certain geographical area are brought together. The overall goal is to strengthen the value chains for the participants involved who will no doubt gain from the intervention.

The Spray Service Provider concept fits very well in the cluster approach, as all actors are stimulated to look at the economic value of services versus results. It is expected, and will be demonstrated in other SSP projects, that the investment farmers make by hiring an SSP will generate more income in the longer term.

CropLife Ghana introduced the SSP concept in 2013 in the cocoa sector in Ghana with support from the World Cocoa Foundation. Resulting from the positive results, other projects and organizations have approached CropLife to introduce the concept into other crops. Hopefully, the SSP activities under the 2Scale project will pave the road for other crops as well.

**Manon Dohmen**

### CropLife Namibia undertakes Responsible Use Training

On 12 March, CropLife Namibia undertook a one-day Responsible Use training for a member company.

The focus of this training covered storage, handling and the transportation of pesticides.

Plans are in place to rollout this short course to other members of CropLife Namibia



Participants that underwent the training



On 18 May a four-day training on Responsible Use including IPM took place in Ongwediva, Namibia. This was directed at the Agro Marketing and Trade Agency (AMTA).

At the end of the program candidates underwent an evaluation comprising of a 2-hour written examination and a one-hour practical session. AMTA plan on rolling out this training to all their Hubs.

Herman Louw, far right with a group of the trainees

### CropLife Namibia Continues with their Container Management Campaign

In late April, CropLife Namibia embarked on a 2-day collection campaign concentrating on the “milling sector” in and around the city of Windhoek. Significant quantities of empty pesticide containers were collected and transported to respective recyclers. Aside from plastic containers, both metal and Aluminium containers were also found. This will be an ongoing initiative as part of the CMS project in Namibia.

Herman Louw



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## Anti-Counterfeiting

### Uganda

The economy of Uganda has been particularly hard hit as a result of counterfeit pesticides on the market.

In 2014 exports of flowers, more particularly roses were banned from entry into the European Union for a number of reasons, but primarily as a result of the use of counterfeit products

In May, the Ministry of Trade and Industry issued a one-month ban on all fresh produce exports to Europe. At a Media Centre press briefing Tuesday afternoon 5 May, Trade and Industry Minister Amelia Kyambadde said that the ban is a compliance measure in response to the recent warning by the European Union to the Uganda government threatening to enforce a total ban on fresh produce exports because they are infected with viruses and most of them are sprayed using counterfeit pesticides.

With the above as background, CropLife Uganda engaged in the following to bring about change to the situation.

#### **CropLife Uganda takes part in Anti-Counterfeiting initiative**

On 6 May, Transparency International organized the establishment of anti-counterfeiting Agro-input Advisory Council

The Anti-counterfeiting Agro-input Advisory Council will consist of public sectors, private sectors, civil society organizations and development partners. The council will meet quarterly to share the findings from the call center and forge a way forward on how to address this major problem in the country. The Council proposed the establishment of a Technical Working Committee on which CropLife Uganda will be represented by the following;

- Seruwo Solomon
- Rubangura Anastase

Steven Matovu / Betty Atto



Trade and Industry minister Amelia Kyambadde

Members of the Anti-counterfeiting Agro-input Advisory Council at the USAID-Feed the future Agri-Input Activity.



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## USAID Workshop to Tackle Counterfeiting

The USAID/UGANDA Enabling Environment activity (EEA) organized an anti-counterfeiting workshop at the Mosa Court Hotel, Kampala on 7 & 8 May

Betty Atto of CropLife Uganda updated the meeting on the actions Industry has undertaken against counterfeiting activities with different partners. These activities include; communications and outreach supported by posters, leaflets, videos and trainings. Also mentioned was a planned initiative on empty pesticide container management, the introduction of a SMS scratch-card program and the introduction of the Spray Service Provider concept as possible solutions to the counterfeiting problem

At the conclusion of the meeting the following joint strategies were developed:

- Create a uniform package of an anti-counterfeiting message supported by related promotional materials targeting farmers, dealers, government and the media
- Develop a training curriculum targeting specific groups including farmers, agro-dealers, enforcement services, etc.
- Develop common anti-counterfeiting language to be included in each organization's code of conduct.

The following will represent CropLife Uganda to spearhead the pilot of the anti-counterfeiting platform task force. This platform will be made up from Uganda National Agro-dealers Association (UNADA), Uganda National Farmers' Federation (UNFFE) and Uganda Seed Trade Association (USTA)

- Agnes Kabwisho Mbabazi
- Seruwo Solomon

Steven Matovu / Betty Atto



## The Establishment of an Agricultural Platform to Tackle Counterfeiting of Agri-Inputs

On 21 May a meeting for the establishment of an Agricultural Platform in Uganda was organized by UNADA in collaboration with the MAAIF Crop inspection and Certification Department.

It was agreed that the private sector should work closely with public sector to ensure both sufficient quantity to meet demand, and quality to reduce the level of counterfeit agri-inputs on the markets.

The following key points were agreed:

- The development of a code of conduct within the different associations for quality and quantity assurance
- The responsibility of steering the Platform to be equally managed every four months by the three key associations: CropLife Uganda, UNADA and USTA with UNADA having the role of temporary secretariat.
- For a press release to be arranged to communicate the establishment of the Platform.
- The meeting was informed that USAID-Feed the Future Agri-input Activity was working closely to establish an agri-inputs website.

Steven Matovu/ Betty Atto



Participants during the meeting at Forest Cottages Hotel Bukoto on 21 May.



Workers at KK Foods sorting hot pepper into pallets for export. Photo: Samuel Sanya



## Regulatory

### Food Safety Summit Africa Conference & Expo: 28 - 29 May 2015

A Food Safety Summit Africa Conference and Expo took place at Nairobi's Strathmore University Business School from 28 - 29 May. The conference brought together policy makers, regulatory agencies, entrepreneurs, managers, international and regional service and product providers from the food, feed and agro industries.

The focus of the plenary sessions was on current and emerging food safety issues in Africa in the face of changes in the regulatory environment on the continent and its key export markets.

Topics that were discussed included the latest information on food safety issues, from sanitation to latest technological breakthroughs. Exhibitions followed the same theme.



Participants at the Conference

The conference was part of the event which had been organized around six plenary sessions looking at the linkages between food safety and themes including regulations; contaminants, pesticide residues, trade, consumer and industry safety amongst others.

Presentations on food safety and pesticide residues were made by the Kenya Plant Health Inspectorate Service (KEPHIS) who provided an update of current regulations and specifying the challenges experienced in implementation. SGS shared their experiences in pesticide residue analysis in food and fresh produce exports and capacity building.

The horticulture sector was represented by the Fresh Produce Exporters Association of Kenya (FPEAK) and the Kenya Agricultural Research and Livestock Organisation (KARLO) respectively. FPEAK highlighted the challenges faced by its members, key among these being compliance with EU standards.

A final presentation under the session related to trade, was on the possible effects arising from EU regulation of endocrine disrupting chemicals on Kenya's horticulture sector citing the need for the creation of a multi-sectoral team to look into the issue in the country.

Among the presentations under consumer safety, a lively question and answer session followed Prof. Dorington Ogoyi's presentation on challenges and opportunities for biosafety regulation in Kenya. Questions covered the lifting of the ban and the safety of GMOs. He invited the participants to a Biosafety Conference scheduled for August where questions covering safety will be covered in more detail.

**Stella Simiyu Wafukho**



Samuel Muriuki, from KARLO doing his presentation on EDs

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## Association Management

### NAMPO

Grain South Africa's NAMPO Harvest Day is the largest agricultural exhibitions under private ownership in the Southern Hemisphere and takes place annually, just outside of the town of Bothaville, in the Free State province of South Africa.

Grain SA's NAMPO Harvest Day enables producers and other role-players in the agricultural industry to experience first-hand and on one terrain, the latest technology and products on offer in the farming industry. The NAMPO Harvest Day also offers producers the opportunity to obtain knowledge from experts in their various agricultural fields by means of debating and discussion panels.

The products and services that are displayed by the more than 650 exhibitors, establishes the NAMPO Harvest Day as a diversified trade exhibition which offers producers the opportunity to compare a wide variety of products and services and in so doing, enable them to make informed decisions.

Grain SA strives to keep the NAMPO Harvest Day trade-oriented as an agricultural and trade exhibition with a specific focus on agriculture and not on entertainment and the exhibition of flea market items.

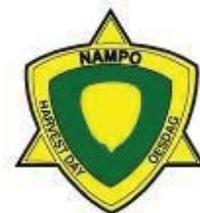
Around 75,000 attendees visit the 4-day event, many from other parts of Africa.

This year NAMPO took place 12 – 15 May and at which five CropLife member companies participated, namely: Arysta, BASF, Bayer, Monsanto and Syngenta. A visit was made to NAMPO on Thursday 21 May and the event allowed for interaction with a number of stakeholders including visitors from CropLife national associations in Mauritius and Malawi.

**Les Hillowitz**



L-R, Jim Findlay, Consultant, Clifford Dove, President, CropLife Mauritius and Les Hillowitz



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## CropLife Mauritius Participates in the Celebrations marking the World Day for Safety and Health

The World Day for Safety and Health at Work is an annual international campaign to promote the prevention of occupational accidents and diseases globally. It is held on 28 April and has been observed by the International Labour Organization (ILO) since 2003. It is a public awareness campaign intended to draw attention on the magnitude of work-related accidents, diseases and death in the whole world.

This year's theme for Safety and Health at the Work was "Join in building a culture of prevention on Occupational Safety and Health". To mark the World Day of Health and Safety to Work 2015, CropLife Mauritius was invited to participate in the half-day seminar organized by Bel Ombre Sugar Estate. Mukesh Rughoo, Executive Secretary of CropLife Mauritius delivered a talk on 'Preventing Accidents in the work place while handling Pesticides'.

### Additional Information:

Every year some two million men and women lose their lives through accidents and diseases linked to their work. In addition, there are 270 million occupational accidents and 160 million occupational diseases each year, incurring US\$ 2.8 trillion in costs for lost working time and expenses for treatment, compensation and rehabilitation. Fatalities, accidents and illness at work are highly preventable and we have an obligation to act.

A national occupational safety and health culture is one in which the right to a safe and healthy working environment is respected at all levels, where governments, employers and workers actively participate in securing a safe and healthy working environment through a system of defined rights, responsibilities and duties, and where the highest priority is accorded to the principle of prevention

**Mukesh Rughoo**



Mukesh Rughoo, Executive Secretary of CropLife Mauritius, delivering his presentation



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## Plant Biotechnology

### Mozambique Steps Forward in Achieving Food Security

Policy breakthroughs in biotech research in Mozambique and Tanzania have led to approval of confined field trials and a more research-friendly regulatory framework, respectively. The confined field trials will be held at Instituto de Investigação Agrária de Moçambique (IIAM or Agricultural Research Institute of Mozambique) research station at Chokwe. Tanzania's stringent policy on placing prohibitive liability to researchers has been favourably revised. Thus, the two countries can engage more in the Water Efficient Maize for Africa (WEMA) project together with other partners. These breakthroughs were mentioned during the WEMA Project Review and Planning in Maputo, Mozambique.

In his speech, Dr. Inacio Mapossé, Director General of IIAM, said that Mozambique's Ministry of Agriculture had changed its name to Ministry of Agriculture and Food Security. He emphasized that such was not just a change of name, but also underscored its focus on projects such as WEMA, which are working towards achieving food security. "In Mozambique, you cannot talk about food security without talking about maize," he said. According to statistics, 95 percent of Mozambique's smallholders grow maize and maize covers 40 percent of the land for annual crops.

ISAAA



Dr. Inacio Mapossé,  
Director General of  
IIAM

### Kenyan Maize Farmers Express Support for GM Maize

Farmers from the Cereal Growers Association have expressed their support for the introduction and commercialization of GM maize in Kenya.

Speaking at an event organized by the Open Forum on Agricultural Biotechnology in Kenya, farmers received positive testimonies from stakeholders who had recently toured Brazil GM crop fields. 25 farmers and farm managers attended the meeting from various Counties of the Rift Valley and Western Kenya who mainly grow maize and soybeans. Mr. Mburu, Operations Manager at Gicheha Farms Limited, described the Brazil tour as an eye opening experience. According to Mr. Gicheha, "introducing biotech into Brazil's farming systems has allowed the country to be a net exporter of maize and soya beans to other countries like Canada and United States." By adopting GM crops, Brazil has achieved "higher crop yield, lower production cost, longer planting and harvest windows, better quality produce and reduction of pesticide applications," said

One of the main differences between us and Brazil is the adoption of GM crops, because we have similar climatic conditions," he added. "From this forum, we realize that what we have been hearing on dangers related to GMOs are false rumours. To support our scientists, we will endeavour to sensitize our groups so that they know the truth about GMOs," said Kibiok Tanui from Nandi County.

PG Economics: News Around the World



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## GM Crops Continue to Provide Positive Impacts

Crop biotechnology continues to deliver significant economic and environmental benefits, allowing farmers in developing countries to grow more with fewer resources, according to PG Economics report.

"In 2013, the 18th year of widespread adoption of crops using biotechnology innovations, the technology has continued to provide more productive agriculture, higher incomes to farmers and a better environment for citizens. A majority of these benefits continues to go to farmers and rural communities in developing countries," said Graham Brookes, PG Economics Director and co-author of the report. The other author of the report is Peter Barfoot, also the Director of PG Economics.

The highlights of the report include the following:

GM crops enabled the farmers to grow more without using additional land. Without biotechnology, farmers would have needed 44.7 million acres of more land (equivalent to 11% of arable land in the US) to get the same yield.

Biotechnology helped farmers produce improved yields. With the use of insect resistant crops, 11.7% more corn, 17% more cotton and 10% more soybeans were produced.

GM crops planting practices helped reduce tilling and greenhouse gas emissions equivalent to removing 12.4 million cars off the road.

PG Economics: News Around the World

## UPCOMING EVENTS

Pollinator Issue Team workshop, Brussels,	June 1
Global Regulatory Steering Committee Meeting, Brussels	June 2-3
HHP Issue Team PT Meeting, Brussels	June 4
ED Issue Team Meeting, Brussels	June 5
IPM/RU training for retailers, applicators and stockists, Cote d'Ivoire	June 1-5
IPM/RU training in vegetable production in N-W Cameroon	June 2-3
AGM and Board Meeting CLAME, Brussels	June 8-9
CP Communications Meeting, Brussels	June 8-9
IPM/RU training in vegetable production in Adamaoua, Cameroon	June 9-10
Global Anti Counterfeiting SC Meeting, Brussels	June 10
Meeting of the CPSC, Brussels	June 11
IPM/RU training in vegetable production in S-West Cameroon	June 16-17
IPM/RU training in vegetable production in South Cameroon	June 23-24
RRC Meeting, Basel, Switzerland	June 23-24
Partnership Meeting of the World Cocoa Foundation, Washington	Jun 29-Jul 1
IPM/RU training in vegetable production in East Cameroon	July 07-08
INTERPOL anti-counterfeiting workshop, Kigali, Rwanda	July 23 -24



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**GROWING FOOD – CREATING RENEWABLES – SUPPLYING SUSTAINABLY**

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