

HOW THE GATES FOUNDATION IS DRIVING THE FOOD SYSTEM, IN THE WRONG DIRECTION



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Gates: the new king of the global food system? Image: design by A Growing Culture

The Bill and Melinda Gates Foundation has spent nearly US\$6 billion over the past 17 years trying to improve agriculture, mainly in Africa. This is a lot of money for an underfunded sector, and, as such, carries great weight. To better understand how the Gates Foundation is shaping the global agriculture agenda, GRAIN analysed all the food and agriculture grants the foundation has made up until 2020. We found that, while the Foundation's grants focus on African farmers, the vast majority of its funding goes to groups in North America and Europe. The grants are also heavily skewed to technologies developed by research centres and corporations in the North for poor farmers in the South, completely ignoring the knowledge, technologies and biodiversity that these farmers already possess. Also, despite the Foundation's focus on techno-fixes, much of its grants are given to groups that lobby on behalf of industrial farming and undermine alternatives. This is bad for African farmers and bad for the planet. It is time to pull the plug on the Gates' outsized influence over global agriculture.

In 2014 GRAIN published a detailed breakdown of the grants made by the Bill and Melinda Gates Foundation to promote agricultural development in Africa and other parts of the world.¹ Our main conclusion then was that the vast majority of those grants were channelled to groups in the US and Europe, not Africa nor other parts of the global South. The funding overwhelmingly went to research institutes rather than farmers. They were also mainly directed at shaping policies to support industrial farming, not smallholders.

Much has happened since then. For starters, Bill and Melinda Gates announced their divorce in May this year, leaving the future of the Foundation and its grant-making in doubt. The news came as Bill Gates himself came under fire for supporting Big Pharma's patent monopoly on COVID-19 vaccines, for effectively preventing people's access across much of the world, and for how he

treats - or mistreats - women.² The Foundation's agenda with agriculture has also been coming under increased scrutiny. A 2020 report from Tufts University concluded that its work in Africa completely failed to meet the objectives that it had set itself.³ The African Centre for Biodiversity published a string of reports denouncing the Gates Foundation for pushing GMOs and other harmful technologies onto Africa.⁴ Amongst all this, the

1. GRAIN, "How does the Gates Foundation spend its money to feed the world?", Nov 2014. <https://grain.org/e/5064>

2. See: Luke Savage "Bill Gates Chooses Corporate Patent Rights Over Human Lives" In Jacobin, 2021. <https://jacobinmag.com/2021/04/bill-gates-vaccines-intellectual-property-covid-patents>, and: Tim Schwab, "The Fall of the House of Gates?", in The Nation, May 2021, <https://www.thenation.com/article/society/gates-me-too-divorce/>

3. Timothy A. Wise, "Failing Africa's Farmers: An Impact Assessment of the Alliance for a Green Revolution in Africa", Tufts University, July 2020. https://sites.tufts.edu/gdae/files/2020/07/20-01_Wise_FailureToYield.pdf

4. See: https://www.acbio.org.za/publications?search_api_fulltext=Gates&sort_by=field_publication_date

US Right to Know collective started a “Bill Gates Food Tracker” to monitor the multiple initiatives that Gates is involved in to reshape the global food system.⁵

GRAIN wondered whether the Gates Foundation had been receptive to the criticism of its food and agriculture funding. So we set out to update our 2014 report, downloaded the Foundation’s publicly available grant records and created a database of all of the Foundation’s grants in the area of food and agriculture from 2003 to 2020 – almost two decades worth of grant-making.⁶

The results are sobering. From 2003 to 2020 the Foundation dished out a total of 1130 grants for food and agriculture, worth nearly \$US6 billion of which almost US\$5 billion is supposed to service Africa. There was no shift to try and reach groups in Africa directly, no refocusing away from the narrow technological approach, and no moves to embrace a more holistic and inclusive policy agenda. Of course, the Gates Foundation is about much more than just making grants. The Foundation’s Trust Fund, which manages the Foundation’s endowment, has big investments in food and agribusiness companies, buys up farmland, and has equity investments in many financial companies around the world.⁷ These, and other activities of Gates in the area of food and agriculture, are illustrated in the infographic that accompanies this report.⁸

The Gates Foundation fights hunger in the South by giving money to the North

Graph 1 and Table 1 provide an overall picture of GRAIN’s research results. Almost half of the Foundation’s grants for agriculture went to four big groupings: the global agriculture research network of the Consortium Group on International Agricultural Research (CGIAR), the Alliance for a Green Revolution in Africa (AGRA – set up in 2006 by the Gates Foundation itself together with the Rockefeller Foundation), the African Agricultural Technology Foundation (AATF – another technology centre pushing Green Revolution technology and GMOs into Africa) and a number of international organisations (World Bank, UN agencies, etc.). The other half ended up with hundreds of research, development and policy

5. See: <https://usrtk.org/category/bill-gates-food-tracker/>

6. The original Gates database is available from their website: <https://www.gatesfoundation.org/about/committed-grants>. The GRAIN database which includes a grouping of different types of grantees can be downloaded from xxxxx

7. See also: GRAIN, “Barbarians at the barn: private equity sinks its teeth into agriculture”, 2020, <https://grain.org/e/6533>

8. For a more in-depth look at each category, visit GRAIN’s Instagram page: https://www.instagram.com/grain_org/

organisations across the world. The Gates Foundation claims that 80% of their grants are meant to serve African farmers. But of the funding to these hundreds of organisations a staggering 82% was channelled to groups based in North America and Europe while less than 10% went to Africa-based groups.

The breakdown of the NGOs that the Gates Foundation funds is even worse. Almost 90% of this funding goes to groups in North American and Europe whilst just 5% is directly channelled to African NGOs. The Gates Foundation seems to have very little trust in African organisations serving African farmers. Not that we would want the Gates Foundation to just send more of its grants directly to Africa if it comes with the same corporate industrial farming agenda. But it illustrates the point of where the priorities of the Foundation lie.

For contrast, Oxfam spends over half of all its funding directly in Africa, and over a third in Asia and Latin America, a lot of it through local NGOs in these regions.⁹

The Gates Foundation gives to scientists, not farmers

As can be seen in Graph 2, the single biggest recipient of grants from the Gates Foundation is the CGIAR – a consortium of 15 international research centres launched in the 1960s and 70s to promote the Green Revolution with new seeds, fertilisers and chemical inputs. The Gates Foundation has given CGIAR centres US\$1.4 billion since 2003. Another priority for the Gates Foundation in its funding is to support research at universities and national research centres. Again, the vast majority of the Gates’ grants go to universities and research centres in North America and Europe. Together, all this research gets almost half (47%) of the Gates Foundation’s funding.

The Gates Foundation’s support for Green Revolution-style research extends beyond the scientists. One of the most significant recipients of Gates Foundation funding is a high-profile advocacy organisation called the Alliance for a Green Revolution in Africa (AGRA). The Gates and Rockefeller Foundations launched AGRA in 2006 as a “farmer-centered” and “African-led” institution. The reality is anything but. AGRA implements a top-down Green Revolution agenda with the main focus being to get new seeds and chemicals developed by Gates funded research centres and corporations into the hands of African farmers. AGRA establishes, funds, coordinates and promotes networks of pesticide and seed companies and public agencies to sell and

9. See: <https://www.oxfam.org/en/what-we-do/about/our-finances-and-accountability>

GATES

CONSOLIDATING CONTROL OVER OUR FOOD SYSTEM

DATA LOOTING

Collecting massive amounts of data from farmers, in order to control input supply and demand

AGRIBUSINESS INVESTING

Profiting from direct investments in many agribusinesses around the world

LOBBYING

Pressuring governments to introduce laws to privatise seeds and other policies that favor industrial agriculture

SYNTHETIC FOOD

Pushing for synthetic meats, and profiting from it, under the guise of fighting climate change

AGRIBUSINESS RESEARCH

Pushing corporate ag research agendas through grantmaking

LAND GRABBING

Acquiring massive tracts of land; Gates is now the largest farmland owner in the U.S.

INTELLECTUAL PROPERTY RIGHTS

Facilitating tighter corporate control of seeds



Infographic by A Growing Culture

supply agriculture inputs to farmers across Africa. It also actively lobbies African governments to implement policies that favour seed and pesticide companies, such as patents on seeds or regulations that allow for GMOs.

The Gates Foundation has given AGRA a whopping US\$638 million since 2006, covering almost two thirds of its overall budget. But AGRA's results are underwhelming to say the least. In the countries where AGRA is active, yields of staple crops increased only 18% over the past 12 years- far short of AGRA's goal of doubling yields. Meanwhile, undernourishment

(as measured by the FAO) increased by 30% in those countries.¹⁰

Instead of acknowledging that their data shows a complete failure to achieve their objectives and changing their approach accordingly, Bill and Melinda are doubling down. In early 2020 they launched their own new

10. Timothy A. Wise, "Failing Africa's Farmers: An Impact Assessment of the Alliance for a Green Revolution in Africa" Tufts University, July 2020. https://sites.tufts.edu/gdae/files/2020/07/20-01_Wise_FailureToYield.pdf

research institute called “Gates Ag One”. This enterprise claims to speed up the development of new seeds and chemicals and get them to farmers in sub-Saharan Africa and South Asia more quickly.¹¹ Where will the institute be based? Not in Ethiopia or Sri Lanka but in St. Louis, USA, home of Monsanto and other GMO and pesticide giants.

The Gates Foundation buys political influence

In many subtle and not so subtle ways the Gates Foundation grants are used to push policy makers to implement its top-down industrial farming agenda.

One recent example is the 2021 “High-Level Dialogue on Feeding Africa” that was held on 29-30 April this year.¹² This forum, funded by the Gates Foundation, and organised by a number of Gates Foundation grantees such as the African Development Bank, CGIAR and AGRA, was meant to launch a policy and funding agenda to further push the Green Revolution into Africa. The event attracted no less than 18 African heads of state and several other high-profile personalities. But, most remarkable of all, is that of all the international organisations with activities in Africa on the long speakers list of the dialogue, virtually all are Gates grantees. The forum concluded with a commitment to double agricultural productivity, something AGRA and the Gates Foundation have been promising and failing to deliver for the last decade and a half.

Of course, AGRA itself is also actively pushing the African policy agenda. AGRA is among the key conveners of the annual Africa Green Revolution Forum (AGRF) which calls itself the world’s premier forum for African agriculture and has been convening annual meetings for the past decade. Partners include some of the main global agrochemical corporations, such as Bayer, Corteva and Yara, and of course the Gates Foundation itself. Unsurprisingly, its agenda is clearly oriented to push government policies towards more chemical inputs, fertilisers and hybrid seeds. On its website, AGRF has a special section it calls the Agribusiness deal room, which “has directly facilitated over 400 companies with targeted investor matchmaking and hosted more than

800 companies to explore networking opportunities”.¹³ This is clearly market matchmaking serving corporate interests, not farmers.

While most of the Gates grants are aimed at pushing technological solutions, many are also oriented towards policy change. A total of 45 grants address policy or policy makers. For example, Iowa State University got a grant to support implementation of policy changes aimed at increasing the supply of new seeds to farmers in Africa. The World Economic Forum received a grant to support a “policy platform for ag innovation and value chain development”, whilst the African Centre for Economic Transformation got a grant to promote agricultural transformation in Africa aimed at policy reforms. In addition, the Foundation is actively involved in bankrolling the “Enabling the Business of Agriculture” project, implemented by the World Bank, amongst many other initiatives.

Gates’ enthusiasm for GMOs is made clear through its grant database. Michigan State University received US\$13 million to create a centre in Africa that provides training for African policy makers on how to use and promote biotechnology. The African Seed Trade Association got a grant to increase farmers’ awareness “of the benefits of replacing their older varieties of crops with newer seed”. AATF got US\$32 million to increase awareness on the benefits of agricultural biotechnology and another US\$27 million to fund the approval and commercialization of GMO maize in at least four African countries. So the Gates Foundation is not only funding public acceptance of GMOs, it is also directly funding the approval and commercialisation of GMOs in Africa.

Gates grantees are clearly carrying the Gates agenda and influencing global agricultural policy. In just over a decade, the Gates brainchild in Africa, AGRA, has managed to manoeuvre itself from nowhere right into the centre of agricultural policy discussions across the continent. Similarly, while resistance to GMOs in Africa remains high, the AATF is managing to get legislation adopted to accept GMOs, as seen most recently in Ghana. It’s just as important to look at who the Gates Foundation is supporting as who they are not supporting; African farmers. The Foundation provides zero funding to support farmer seed systems, which supplies 80 to 90% of all the seeds used in Africa. Instead, it provides a lot of funds to initiatives that destroy them. Furthermore, the Gates Foundation props up biofortification as a solution to malnutrition, taking funds and attention away from much more practical and culturally appropriate efforts to improve nutrition by enhancing

11. See: “Bill & Melinda Gates Foundation Statement on Creation of Nonprofit Agricultural Research Institute”, Seattle, January 21, 2020. <https://www.gatesfoundation.org/ideas/media-center/press-releases/2020/01/gates-foundation-statement-on-creation-of-nonprofit-agricultural-research-institute>

12. See: <https://www.afdb.org/en/events/high-level-virtual-dialogue-feeding-africa-leadership-scale-successful-innovations>

13. See: <https://agrf.org/dealroom/>

on-farm biodiversity and people’s access to it.¹⁴ Over the last decade or so, the Gates Foundation has given US\$73 million to biofortification initiatives that essentially seek to artificially pack nutrients into single crop commodities.

Then, of course, there is Bill Gates himself. Sitting down with heads of state, policy makers and business leaders, Gates tries to convince them that his view of the world is the one to go after. The world has gotten used to pictures of him shaking hands or sitting shoulder to shoulder with the leaders of the world. Indeed, many of those leaders seem very eager to be in these pictures and heed his advice. The most recent display of this was at Joe Biden’s virtual “Leaders Summit on Climate” where Gates shared his vision on how to fight

the climate crisis. His recipe to tackle the climate crisis is very similar and equally dangerous to how he wants to feed the world: develop new technologies, trust the market, and put in place policies so that corporations can make it all happen faster.¹⁵

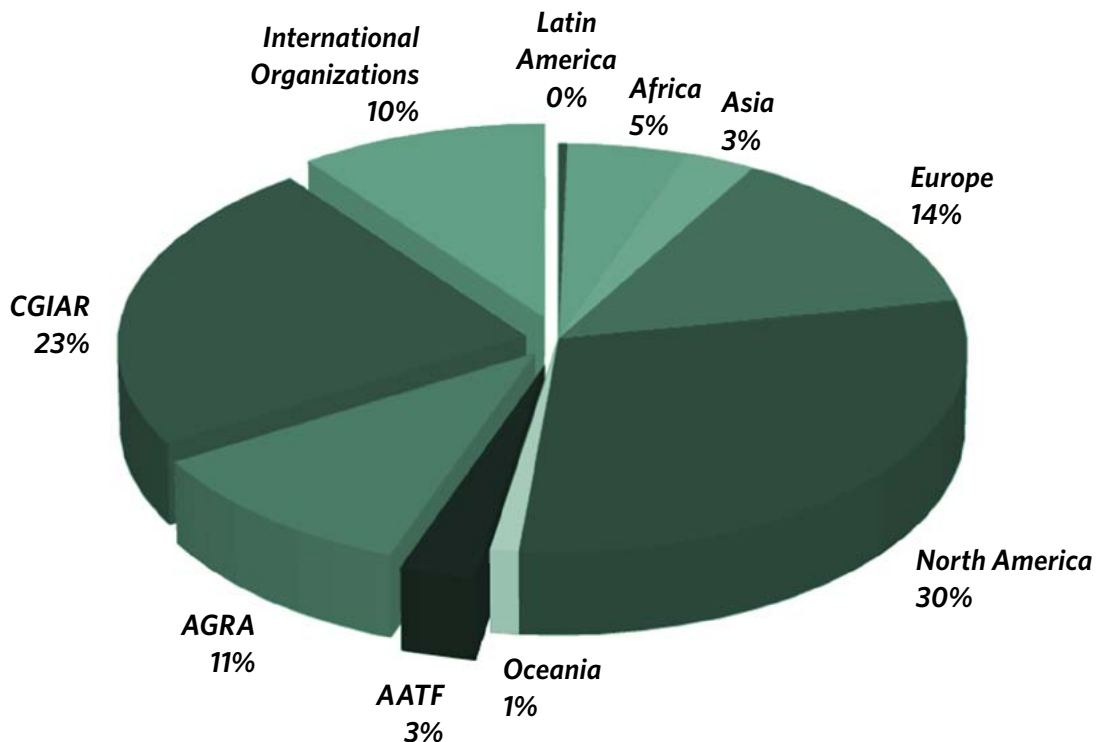
Gates clearly isn’t listening to or learning from the people on the ground. So why should anyone listen to him? Rather than being listened to, Gates and his top down corporate technology agenda must be resisted and stopped in its tracks.

GRAIN wishes to thank Camila Oda and María Teresa Montecinos for their help in compiling the database and to ‘A Growing Culture’ for their feedback on the draft and their work on the infographic.

14. GRAIN, “Biofortified crops or biodiversity? The fight for genuine solutions to malnutrition is on,” 4 June 2019: <https://grain.org/e/6246>

15. <https://www.geekwire.com/2021/bill-gates-shares-3-steps-clean-energy-economy-message-leaders-summit-climate/>

Gates Foundation agricultural grants 2003-2020: by region and organizations



Gates Foundation agricultural grants 2003-2020: by type of institution

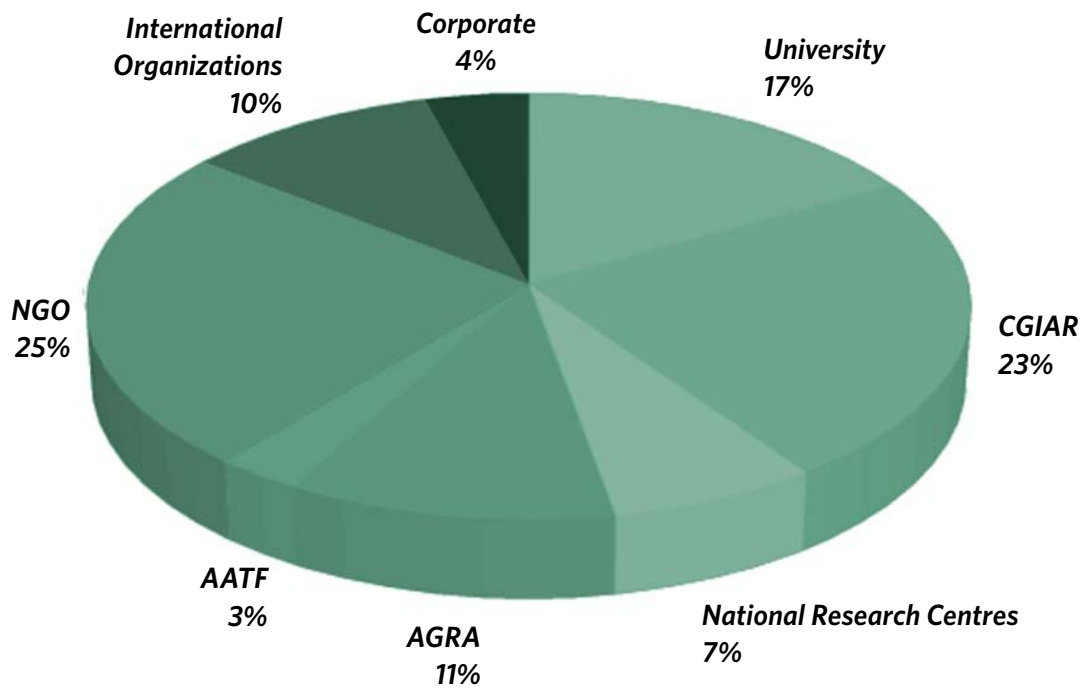


Table 1: Gates Foundation agricultural grants by type of grantee, 2003-2021

Agency	\$US million	Main recipients
CGIAR	1,373	The CGIAR is a consortium of 15 international research centres set up to promote the Green Revolution across the world. Gates is now amongst its major donors. Main recipients include: IFPRI (\$223 million), CIMMYT (\$346m), IRRI (\$197m), ICRISAT (\$151m), IITA (\$166m), ILRI (\$74m), CIP (\$91m), and others. Most of the grants are in the form of project support to each of the centres, and many of them are focusing on developing new crop varieties.
AGRA	638	A total of 20 grants for core support and AGRA's main issue areas: seeds, soils, markets, and lobbying African governments to change policies and legislation.
Int'l orgs (UN, World Bank, etc.)	601	World Bank - IBRD (\$192m); World Food Programme (WFP) (\$99m); UNDP (\$54m.); FAO (\$88m.) UN Foundation (\$76m). The lion's share of the grants to the World Bank are to promote public and private sector investment in agriculture (\$70m), WFP is supported to improve market opportunities for small farmers, UNDP to establish rural agro-enterprises in West Africa, and the support to FAO is mostly for statistical and policy work.
AATF	170	AATF (African Agricultural Technology Foundation) is a blatantly pro-GMO pro-corporate research outfit based in Nairobi. The bulk of the Gates' support is to develop GMO drought-resistant maize, a project that has already miserably failed according to many. But it also gets support to raise "awareness on agricultural biotechnology for improved understanding and appreciation", and to get legislation approved for allowing GMOs in African countries.
Universities & National Research Centres	1,393	Over three quarters of all Gates' funding to universities and research centres goes to institutions in the US and Europe, such as Cornell, Michigan and Harvard in the US, and Cambridge and Greenwich Universities in the UK, amongst many others. The work supported is a mix of basic agronomic, breeding and molecular research, as well as policy research. A lot of it includes genetic engineering. Michigan State University, for example, got \$13m to help African policy-makers "to make informed decisions on how to use biotechnology". Although most of the Foundation's grants are supposed to benefit Africa, barely 11% of its grants to universities and research centres go directly to African universities and research institutions (\$147m in total, of which \$30m for the Uganda based Regional University Forum set up by the Rockefeller Foundation).
Service delivery NGOs	1,446	The Gates Foundation sees these as agents to implement its work on the ground. They include both large development NGOs and foundations, and the activities supported tend to have a strong technology development angle or focus on policy and education work in line with the Foundation's philosophy. A whopping 70% of these grants end up with US-based beneficiaries, and another 19% in Europe. African NGOs get 4% of the NGO grants (\$73m total, \$36m of which goes to groups in South Africa, and another \$13m for "Farm Concern International"- an NGO based in Nairobi with the mission of building "market-led business models" for small farmers).
Corporations	244	A relatively minor share of Gates' funding goes directly to the corporate sector. Most of the grants are for specific technologies developed by the corporations in question. Major grantees include the World Cocoa Foundation (\$31m), a corporate outfit representing the world's major food and cocoa processors, for improving marketing and production efficiency, and Zoetis (a Belgium based veterinary transnational - \$14m) for getting veterinary products to farmers.
Total	5,865	

Table 2: Gates Foundation agricultural grant recipients, top 10 countries 2003-2021
(Excludes grants to CGIAR, AGRA, AATF and International organisations)

Country	\$US million	Main recipients
USA	1,657	The USA is by far the largest recipient country of Gates agricultural grants meant to benefit farmers in poor countries: \$1,657 million dished out in over 400 grants. Recipients include US universities and research institutions to produce crop varieties and biotechnology research for farmers in Africa (e.g. Cornell University, a whopping \$212m in 26 grants), big NGO projects mostly oriented to develop technology and markets (e.g. Heifer, \$51m, to increase cow productivity and Technoserve Inc., \$51m, to push new technologies), and several policy and capacity building projects to push the foundation's agenda in Africa and elsewhere.
UK	466	A total of 81 grants with a focus on research such as for the University of Greenwich to work on pests and diseases in cassava and other crops (10 grants totalling \$73m), and for the Global Alliance for Livestock Veterinary Medicines (9 grants totalling \$169m) to produce livestock medicines and vaccines sold by the private sector to African farmers.
Germany	154	8 grants for the German Federal Enterprise for International Cooperation (GIZ) to develop supply chains for African cashew and rice farmers and other projects (\$57m), and another three grants for the German Investment Corporation to work on African cotton and coffee farming (\$47m), amongst others.
India	98	Total of 33 grants to a variety of grantees including three grants to PRADAN (\$34m for women farmers training), and three grants to BAIF (\$16m) to give farmers access to the latest livestock breeding technologies.
Netherlands	95	Mostly for five grants to the Wageningen University for agronomic research on grain legumes, supporting digital farming and other projects (\$57m).
Canada	74	A total of 20 grants mostly towards universities to ensure adoption of new technologies, develop commercial cassava seed supply chains in Tanzania, and to produce vaccines for livestock diseases, amongst other programmes.
Australia	61	A total of 24 grants mostly to universities and research centres (including \$30 million for the University of Queensland) to develop sorghum and cowpea hybrids for Africa, and provide genetically improved cattle, amongst other programmes.
China	48	Mostly for the Chinese Academy of Agricultural Sciences (two grants totalling \$33 million) to develop new rice varieties for farmers across the world.
Uganda	46	Mostly for RUFORUM (two grants totalling over \$30 million to support agricultural research universities in the region). RUFORUM was established as a programme of the Rockefeller Foundation in 1992 and became an independent Regional University Forum in 2004.
Kenya	43	Grants for Farm Concern International to create market-oriented value chains for a number of crops, and to a number of agribusiness companies active in the region to do the same.
Total top 10	2,742	\$US2.7 billion, or almost half of all agriculture funding from Gates went to grantees in these 10 countries: over 90% to countries in the North.



GRAIN is a small international non-profit organisation that works to support small farmers and social movements in their struggles for community-controlled and biodiversity-based food systems. GRAIN produces several reports each year. They are substantial research documents providing in-depth background information and analysis on a given topic.

The complete collection of GRAIN reports can be found on our website at <http://www.grain.org>

GRAIN
Girona 25 pral., 08010 Barcelona, Spain
Tel: +34 93 301 1381
Email: grain@grain.org