In Africa, official statistics contain little data on organic agriculture, even though its products are increasingly available on local and export markets. African consumer demand is growing, providing a dynamic economic opportunity. Today, there is no doubt that organic agriculture is making an important contribution to the agro-ecological transition process underway in Africa. It reduces the adverse environmental and health impacts of agriculture, particularly because it uses no synthetic chemical inputs. It improves the resilience of agricultural systems. Under certain conditions, its specific techniques can increase agricultural productivity, even if its yields are on average lower than those in conventional agriculture. Organic systems are labour-intensive, and as such can be a source of employment for young people in rural areas. Some scientific studies and the initiatives undertaken by many local actors confirm the importance of organic agriculture in this continent. Agricultural research now needs to support its emergence, in a context in which very few studies have so far been conducted on this subject. To ensure these fledgling initiatives develop, research could also contribute to appropriate public policy making at different levels.

The African context

At the global level, organic agriculture covered 57.8 million hectares in 2016, including in-conversion areas, or almost 1.2% of cultivated farmland. For the African continent, certified organic agriculture covers 1.8 million hectares, or only 0.2% of cultivated land on the continent, according to statistics from IFOAM [International Federation of Organic Agriculture Movements] and FiBL [Research Institute of Organic Agriculture].

In African countries, the development of organic agriculture often raises the issue of ensuring food security for a rapidly growing population. However, little data is currently collected. Scientific and technical studies on organic agriculture are uncommon in Africa, as are development projects, and are often led by groups managed by specialised institutions.

In these countries, organic agriculture is generally recognised under its certified form for export. Directly organised by importers and experts rather than by farmers themselves, it responds to demand for tropical organic products in the developed countries. Traditionally, African governments have paid little attention to this sector, and the same is true of most development programmes. Indeed, agricultural policies in Africa are generally still marked by the pursuit of a production-oriented pathway, supported by agribusinesses, private foundations and most international organisations. The few projects that have sought to develop organic agriculture in Africa have done so with a view to exporting. Consequently, there is still too little recognition of its potential for agricultural development and for feeding local populations.

Most research institutions also fail to acknowledge organic agriculture as a potential lever for agricultural...
development. This is partly due to controversies specific to the industrialised countries, which are directly transferred to Africa, despite the fact that the problems are different, whether agricultural, environmental, economic or social. These controversies concern the yields observed, which are on average lower than in conventional agriculture, meaning more space would need to be allocated to organic agriculture and its products would be sold at a higher price. They also relate to access to products in all social categories, to the higher production costs involved (a larger workforce), and to third-party certification.

However, the characteristics of organic agriculture make it a mode of production that is potentially suited to African agriculture, which is typically family-based with a low level of mechanisation, small-scale, labour-intensive and diversified (a variety of cultivated plants), using local resources and satisfying different needs (feeding the family, generating income). Scientific studies highlight the advantages of organic agriculture in the African context: fewer health risks for producers and consumers, better protection of natural resources, a more resilient environment, increased and enhanced agricultural diversity, higher income for farming families, and more secure outlets. Health risks are a serious concern in Africa: this is the case for fruit and vegetables consumed in cities, which contain pesticide levels that are often far higher than the maximum residue levels. Pesticides are sometimes used in excess or for the wrong reasons, and some are even unauthorised or expired. Finally, at the economic and social level, organic agriculture is labour-intensive (manual weeding, composting), which seems conducive to its development in countries with a large agricultural workforce.

The diversity of organic agriculture in Africa

In Africa, the current development of markets for organic products is a response to growing social demand, generally from increasingly well-informed urban consumers looking for healthy food. These consumers find themselves faced with a growing range of products with an ever increasing list of alleged “health” benefits.

In four countries (Benin, Burkina Faso, Cameroon, Senegal), the ABASS project (see box p. 4) has analysed the different types of agriculture that resemble organic agriculture. In association with the term agriculture, seven qualifiers have thus been listed by a panel of actors in this field: agro-ecological, certified organic, non-certified organic, sustainable, ecological, natural, and healthy. The actors identified all shared the desire to draw on local knowledge and to end the use of synthetic chemical inputs, especially pesticides and fertilisers.

Some of these types of agriculture are consistent with European organic agriculture standards, while others are less so. The level of detail in their technical recommendations varies, especially regarding the use of synthetic chemical fertilisers (urea, NPR fertilisers), systematic organic fertilisation (compost, manure), the use of local seeds, the association between agriculture and livestock farming, animal well-being, and organic pest control (insects, diseases, etc.) with natural plant- or mineral-based substances. They also vary in the way they present local specificity, the importance given to the development of traditional knowledge, the sales channels used (in the field, on stalls, basket deliveries, specific shops, organic markets, supermarkets) and the consumers targeted (foreign expatriates, African middle-class, consumers with lower purchasing power). Finally, they differ in terms of the political vision supported by their promoters, which ranges between local organic agriculture with autonomous practices (local inputs, local participatory certification) and regulated organic agriculture (imported organic inputs, third-party certification).

Lower average yields but similar variability

At the global level, a yield analysis published in 2017 shows that yields in organic agriculture are on average lower than those in conventional agriculture, in the order of 10 to 32% for fruit and vegetables. But in some cases, they may be up to 50% higher, suggesting that productive organic agriculture is achievable. This global analysis also shows that organic agriculture does not increase yield variability: this is very important for producers, especially in Africa, for whom risk aversion is a decisive factor. Thus, despite lower average productivity, organic agriculture has many advantages: an increase in the resilience and stability of agricultural systems due to the diversity of species and varieties used; lower dependence on external inputs; and, above all, its proven environmental, health and social benefits.

In conventional agriculture, chemical pesticides and genetically modified crops contribute to simplifying work or to obtaining high yields; since these inputs are prohibited in organic agriculture, specific practices need to be developed. Phytosanitary constraints are a major technical challenge that calls for further research, especially for vegetable crops, which are very sensitive to insect pests and diseases.

The institutional aspects of organic agriculture in Africa

In the European countries, citizen recognition of organic agriculture emerged in the 1960s. In the 1970s and 1980s, private standards were created, then specific public policies were defined. In 1992, the European Union created a regulation for the European market – standard, label, monitoring mechanism (third-party certification, accreditation of third-party certifier).

On the African continent, despite the preservation in some regions of traditional farming systems without
Organic agriculture organisations in Africa


Movements also exist in Zambia, Nigeria and Namibia. At the initiative of a number of East African movements, with the support of the Swiss Agency for Development and Cooperation, the idea of a continental African network emerged in 2008. AfrONet (African Organic Network, http://afronet.bio/) was thus created in 2014 as an international non-governmental organisation registered in Tanzania. AfrONet encourages and promotes ecological organic agriculture (EOA) on the continent.

These movements come together to organise conferences on organic agriculture. During the 3rd African Organic Conference in Lagos, Nigeria, from 5 to 9 October 2015, the 220 participants signed a declaration on the development of organic agriculture: “The Lagos Declaration on Achieving Social and Economic Development through Ecological and Organic Agricultural Alternatives”. These regular conferences show that the African movements are becoming increasingly structured and recognised by the institutions. This is seen in the presence of delegations from many countries and institutional representatives – ministries of agriculture, the Forum for Agricultural Research in Africa (FARA, http://fr.faraafrica.org/), and the New Partnership for Africa’s Development (NEPAD, www.nepad.org/fr). The 4th African Organic Conference is organised from 5 to 8 November 2018 in Dakar, Senegal.

A few words about

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A few links


Examples of organisations conducting research on organic agriculture:

> FiBL, Forschungsinstitut für biologischen Landbau [Research Institute of Organic Agriculture, Europe]. www.fibl.org/


> Louis Bolk Institute (Netherlands). www.louisbolk.org/

> University of Natural Resources and Life Sciences [Austria]. www.boku.ac.at/en/.

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