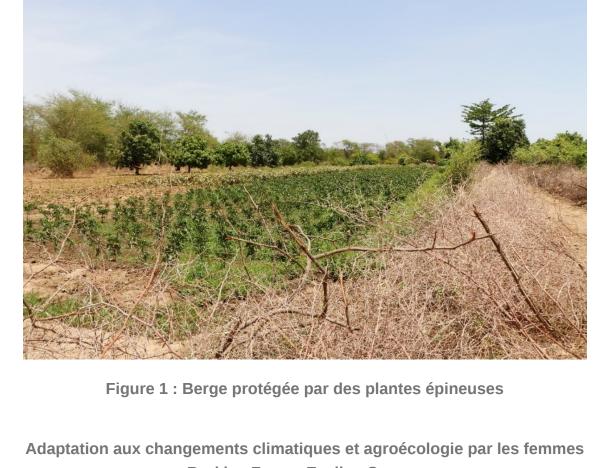
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sub-Saharan Africa

Women building resilience in



au Burkina Faso – Eveline Compaore

Le Burkina Faso est un pays enclavé d'Afrique occidentale qui couvre environ 274 000 km².

L'économie du pays est fortement dépendante de l'agriculture, qui représente près du tiers du produit intérieur brut (PIB). La majorité de la population vit dans des zones rurales où elle pratique

une agriculture de subsistance utilisant des techniques agricoles rudimentaires. Ainsi donc au Burkina Faso, les femmes font face aux changements climatiques à différents niveaux. En effet, le climat de ce pays du Sahel se caractérise par une forte variabilité des précipitations, rendant la vie difficile à la majorité des agriculteurs surtout les femmes, car l'accès aux sources d'approvisionnement en eau d'irrigation est limité pour ce groupe vulnérables. Elles utilisent des méthodes qui en général sont d'un atout très important mais non connu. En général les femmes Burkinabès au niveau du plateau central, utilisent la méthode de culture mix pour lutter contre les changements climatiques. Dans leurs petits lopins de terres les femmes utilisent les moyens de bord pour luter contre l'érosion des sols par exemple utilisation des épines pour protéger les berges et leurs cultures maraichères et vivrières. Les femmes de Gourcy par exemple n'utilisent pas d'insecticide car elles sont conscientes que cela protège leurs sols qui est devenu aride au fils du temps et dont il faut rénover. Rural Women in Zimbabwe face climate change head on

Patience Mashiri



spacing during planting and the use of recommended agrochemicals and herbicides. Before, women relied mostly on traditional technologies such as intercropping beans with other cereals, conservation farming, minimum tillage, mulching etc. Women trained in using this new climate

resilient technologies are now making use of them in their bean farms. A discussion with the

women of Nyahoni Irrigation Scheme in Nyanga, Zimbabwe has proven that these women have Climate change to these women has mostly meant changes in rainfall patterns even though other changes have been observed. Women were willing to participate in programs that address these drastic climatic changes and environmental degradation that has continued to happen. "Through adopting climate smart technologies, we are seeing an improvement in the livelihoods of our rural women through increased productivity of beans." Mrs. Regina Matemera is a 47-year-old widow with three children. This is her second year in the project, and she is farming at Nyahoni Irrigation

Storage barns as adaptation strategies to preserve bean grains after harvest in the western highland of Cameroon Siri Bella Ngoh



reduction among rural dwellers, who depend on agriculture and other climate dependent activities for their livelihood have been stifled. The projected impacts of climate change on agriculture

the quotes below:

15 March, but now it starts at times in February, and it stops before November. Sometimes it starts even after 15 March, so I do not know which planting pattern to follow" (A female farmer aged 67 in Bafou). "Insufficient rainfall and too much sunshine affect maize yields. The cobs are now small in size, and the yield is less, hence affecting the overall quantities harvested compared to before" (female farmer aged 67 from Santa).

"Because of little water in the soil, hot weather makes cassava roots to be small in size as there is insufficient water to feed them" (female farmer aged 43 from Foumbot. Lack of rainfall causes the leaves of haricot beans to become yellow and shrink, leading to poor

yields" (female farmer aged 41 in Bafou). "The leaves of most crops are twisted because of a shortage of water; this reduces the growth rate resulting in low yields." (A female farmer aged 51 in Ntumbaw village).

To cope with these weather stresses, women employed a variety of adaptation strategies to mitigate the effects of climate change on food crop production activities such as irrigation and shifting of planting dates and construction of storage barns are being utilised. Shifting of planting date is a common practice in both regions, a female farmer aged 44 in Bafou

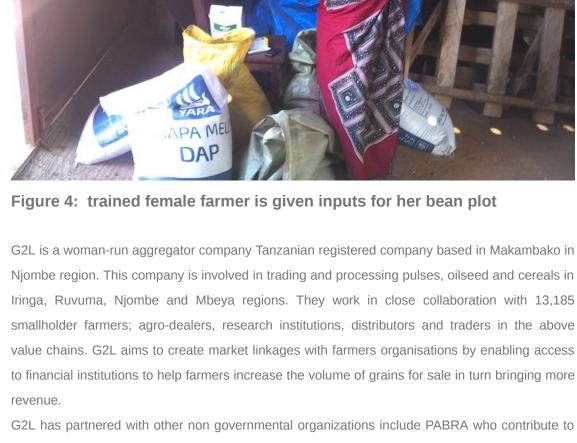
take care of Christmas needs for the family".

Adaptation strategies

"Nowadays, I exercise patience and wait until rains are stable before I can plant, because in the previous years I planted haricot beans in February after the first rainfall and it stays for almost three weeks before the rain came. This caused me to lose all the haricot beans because it got rotten and I had no other seeds". A female farmer aged 42 concluded by

The use of a storage barn is prominent in the North West Region. Farmers from Ntumbaw harvest bean pods and keep in storage barns. They only thresh the pods to get the grains when the need arises as for them storing in the form of grains affects the quality, colour, viability of seeds as well as its market value. For them, the "construction of storage barn especially for beans is important, if not harvested beans will get rotten. Farmers understand the need to adapt to the changing climate. A female farmer aged 45 in

know how to cope with this new climate, and beside the agricultural extension agents avoid discussions related to this topic". Access to credits and finance is also another problem. For example, a female farmer aged 67 in Babessi said "I just manage the farm the way it is because I do not have money to buy "medicine" (pesticides) and even fertiliser to increase crop yields as I see in my husband farm". Another woman said: "I lack money to buy irrigation equipment for my farm, so we use family labour to water the farm during the dry season". Insecure land rights reduce the adaptation option. For example, a female farmer aged 49 in Foumbot recounted that "My landlords told me to plant only beans and corn because I can leave at any time he desires to Integrated approach to combating climate change and securing quality grains for the market: a case of G2L in the Southern Highlands **Gaudencia Bakilile**



has trained the contracted farmers on climate-smart agriculture, post-harvest and handling techniques, farming as a business to get high quality grain they need to improve food security and improve household income in the different communities where they work. Female farmers who work with G2L work are responsible for 70-80 percent of agricultural work and food preparation at their homes but are constrained by insecure land tenure, finance, access to information and technology. G2L company is introducing different mechanisms ta assists female farmers to cope with climate

• New technologies and practices for climate change adaption by female farmers • Include women within all climate change mitigation and adaption effort Improve land rights for women • Promote access to financial services and fund (loan) female farmers led and focused

sustainable food production strategies, including fair trade and resources management

• Ensure investment and implementation of a gender-sensitive approach to disaster, awareness, response and recovery activities. Promote gender-responsive approaches to climate financing. Before G2L started on contract farming for common beans, most of the female bean farmers were

see the need to adopt most climate change practices as men were responsible for selling surpluses and decided on the use of the money from these proceeds. When G2L started working with women farmers, beans was introduced as a potential business crop. Training on Climate-Smart Agriculture, post-harvest handling techniques and farming as

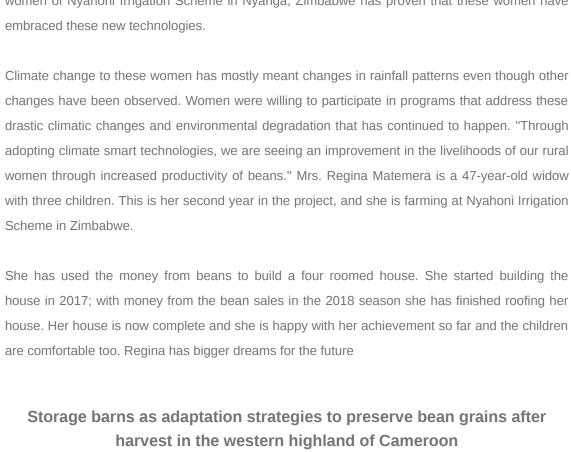
business prioritized women. Aggregation centres were created, and women could easily sell their bean with little logistical challenges. This was after we realised that even though women do all the farming, at the time of selling men were the one who sold the beans, got the money and decided on what it will be used for. G2L in collaboration with district government officials made sure that the one who received the common bean loan is the one who will be responsible for

subsistence farmer for household consumption and not for business. During that time, they did not

selling and receiving money from the bean sold. Moreover, if she got any retaliating violence from the men, she was encouraged the matter at the gender desk so the action could be taken against the man. During field days, women were trained alongside men on how to adopt climate-smart and practice to their farmers. Above is the picture of a female farmer who already received training and so she was given inputs (improved seeds of common bean uyole 96, fertiliser and pesticides) to grow for the coming season. (f) (9) (0)

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require coping and adaptation strategies by farmers to minimise the impact. Farmer's ability to adapt vary depending on their age, education, ethnicity, religion, indigenous knowledge and institutional support for adaptation. Adding men and women views into adaptation planning is critical to an inclusive adaptation and mitigation strategy and policy. Therefore, mainstreaming gender in climate change adaptation intervention is crucial, given the gendered nature of climate change vulnerabilities. Women report the changes in climate variabilities, especially on temperature and rainfall in "Places are too hot, making the soil too hard and resulting in cracks, leading to low yield. Also, due to fewer rains, tuber crops are getting rotten, like Ibo coco (taro), which we do not have again because the soil is too dry. In the early 1960s, the rain usually started from

A female farmer aged 62 in Santa also reported: "Because the soil is too hard and dry, coupled with too much heat, it takes my entire household a week to make ridges on the same farm that

use to be done for four days". Another female farmer aged 52 in Bafou disclose that "the ground is

too dry and strong and grasses are tough, making clearing and tilling too difficult.

saying that "Because rainfall is fluctuating, I plant in February, March, April, depending on when rain falls". Regarding irrigation, a female farmer is Santa narrated that "My entire household and I water the crops (cabbage, green spices and huckleberry) every evening with the use of self-made water spray because of too much sunshine". Another female aged 43 farmers in Santa said, "We are forced to water crops especially vegetables, if not we would not be able to sell and have money to

Babessi recounted that "If I do not adapt to the changes, I will not have any food (maize, haricot beans) to feed my family, sell and earn some money to pay school fees for the children". For those without any or limited knowledge of adaptation strategies, they rely on God Almighty and ancestors for better harvest". A female farmer aged 53 in Ntumbaw narrated that "I do not

farm on the land, so there no need to plant a tree as an adaptation measure".

and Pawaga valley basins respectively. They have also forged links with financial providers such as GroFin, CRDB, NMB and NBC Plc. G2L started business in common beans three years ago in order to train and contract farmers that would produce 1000MT (metric tons) or more for the business. Due to climate change and variabilities, they only managed 852MT of common beans that year. In 2021, they aim at procuring 7000MT of common beans from smallholder farmers. To get the required tonnage, G2L

strengthening contract farming arrangement is between G2L and farmers especially in Ludewa, Madaba, Songea, Mamtumbo, Iringa rural, Mufindi, Lilolo and Wanging'ombe districts, Usangu

empower women economically and also positively affect nutrition and health in the households. Some of the mechanisms they are employing include: • Training program, with priority to female farmers. The trainings include Climate-Smart Agriculture (CSA), post-harvest and handling techniques (PHHt) and farming as business.

change in order for them to supply good quality grain at better price. The proceeds from sales

Our mailing address is: Pan Africa Bean Research Alliance (PABRA) programme under the Alliance of Bioversity International & International Center for Tropical Agriculture Regional Office for Africa Duduville Campus, off Kasarani Road P.O. Box 823-00621 Nairobi, Kenya Want to change how you receive these emails? You can <u>update your preferences</u> or <u>unsubscribe from this list</u>. For further information, please go to http://www.pabra-africa.org/ Contact: P.onyango@cgiar.org