Farms for Orphans, Inc.

2017 Annual Report

FARMS for ORPHANS

Farms for Orphans, Inc. 2017 Annual Report

By Farms for Orphans, Inc.

All photos and images in this report are provided by Farms for Orphans, Inc. unless otherwise noted.

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FARMS for ORPHANS

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Dr. Amy Franklin, FFO's CEO and founder, in the Democratic Republic of the Congo, 2017

FARMS for ORPHANS

Introduction

Farms for Orphans (FFO) was founded in 2015 with the aim of using agricultural innovation to end hunger and improve the lives and economic prospects of orphaned and other vulnerable youth in resource-poor settings. As this report describes, 2017 saw the first fruits of this effort. While this period of growth presented its share of surprises and challenges, 2017 will ultimately be remembered as a year of triumphs, big and small.

With a population of orphaned youth estimated at four to five million and a consistent seat near the top of global poverty and malnutrition rankings by country, the Democratic Republic of the Congo (DR Congo or DRC) was a natural place for FFO to roll out its first operations. It was the DR Congo, however, that first opened our eyes to the globally-widespread practice of eating insects (often described using the technical term *entomophagy*) as well as to insects' considerably high agricultural and nutritional potential. Inspired by its potential to combat severe protein deficiencies – a common problem among the world's very poor, and of particular concern among the world's poorest children – FFO has become a champion of entomophagy and moved it to the heart of our programming. It was therefore an edible insect test farm (see p. 5) that FFO launched in the DRC in June of 2017, and it was in the DRC where we built the first of our on-site, orphanage-based insect farms later in the year (p. 6).

Drawing on insights from this core programming, Farms for Orphans took steps into global research circles in 2017, representing insect agriculture at the American Veterinary Medical Association's Conference on Food Security and presenting a poster at the 3rd International Conference on Global Food Security (p. 11). Further, FFO itself grew over the year, successfully running an online crowdfunding campaign, garnering our first celebrity endorsement (p.13), and securing major financial gifts (p. 14) while also welcoming two new staff members, one new member to the Board of Directors, and a multitude of contacts and allies in the world of insect agriculture and edible insect farming (p. 18-22). We are confident that the programmatic and administrative foundations laid in 2017 will stand us in good stead through 2018 and beyond.

We at Farms for Orphans know that our greatest strength lies in our human resources, including the support we've earned from everyday people. We thank you for your interest in our organization and hope you enjoy reading about our proud accomplishments from 2017.

With gratitude,

Amy Franklin, MS, DVM
CEO and Founder, Farms for Orphans, Inc.

Programming

World-wide, half of all deaths in children under age five are attributable to malnutrition. For millions more, chronic malnutrition causes poor health, small body size, low energy levels and a reduction in mental functioning. Malnutrition exacerbates poverty by reducing one's ability to learn and work, thus leading to even greater hunger and malnutrition. As a result, malnutrition is a major impediment to the socioeconomic development of countries. The Cost of Hunger in Africa study, completed in mid-2017, estimated the cost of child malnutrition in the DR Congo alone at over USD$1 billion per year.[1]

Farms for Orphans brings food security and economic empowerment to youth and the institutions that serve them.

The problem and consequences of malnutrition are particularly grave for orphaned or otherwise vulnerable youth who receive little-to-no governmental support. In fact, most of the children FFO serves are housed, fed, and/or educated exclusively by our partner organizations, and it is often the overwhelming poverty of these organizations that drives food insecurity among their child beneficiaries.

The world needs smart solutions to address global hunger and to feed a burgeoning global population. Facing increasing water and land scarcity and the consequences of climate change a, we need to move toward more environmentally-sound food production systems. Access to nutritious food that is sustainably grown is critical for prosperity and peace.

Farms for Orphans has developed an innovative model that addresses each of these concerns in turn: we support the self-sufficient production of high-quality, climate-smart foods by organizations serving food-insecure children in resource-poor settings. We work in collaborative partnerships with these organizations to implement farming systems on the organization's grounds and, where possible, build the farms to a large enough scale that they may generate income through the sale of surplus yields. We also aim to provide effective agricultural vocational training for older youth to ensure that not only the organizations but the children themselves have a path to economic empowerment and a stable, food-secure future.

FFO places primary emphasis on farming locally-native, culturally-appropriate edible insects because insects provide high nutritional and financial returns on investment in regions where entomophagy is common. Insects can typically be grown with far less land, water, feed, and labor than traditional livestock, yet they provide comparable levels of protein and generate relatively fewer greenhouse gases and less farm-to-fork waste. Many populations around the world regularly consume insects as part of a normal, healthy diet, opening many avenues for the

[1] https://www.wfp.org/news/new-study-reveals-economic-toll-malnutrition-democratic-republic-congo

expansion of insect agricultural systems and our own global program. Further, the development of insect farming systems can reduce pressure on wild flora and fauna and provide for the year-round availability of a food that is typically available only seasonally in its natural environment.

Figure 1: Entomophagy around the world *Courtesy of Little Herds (www.LittleHerds.org)*

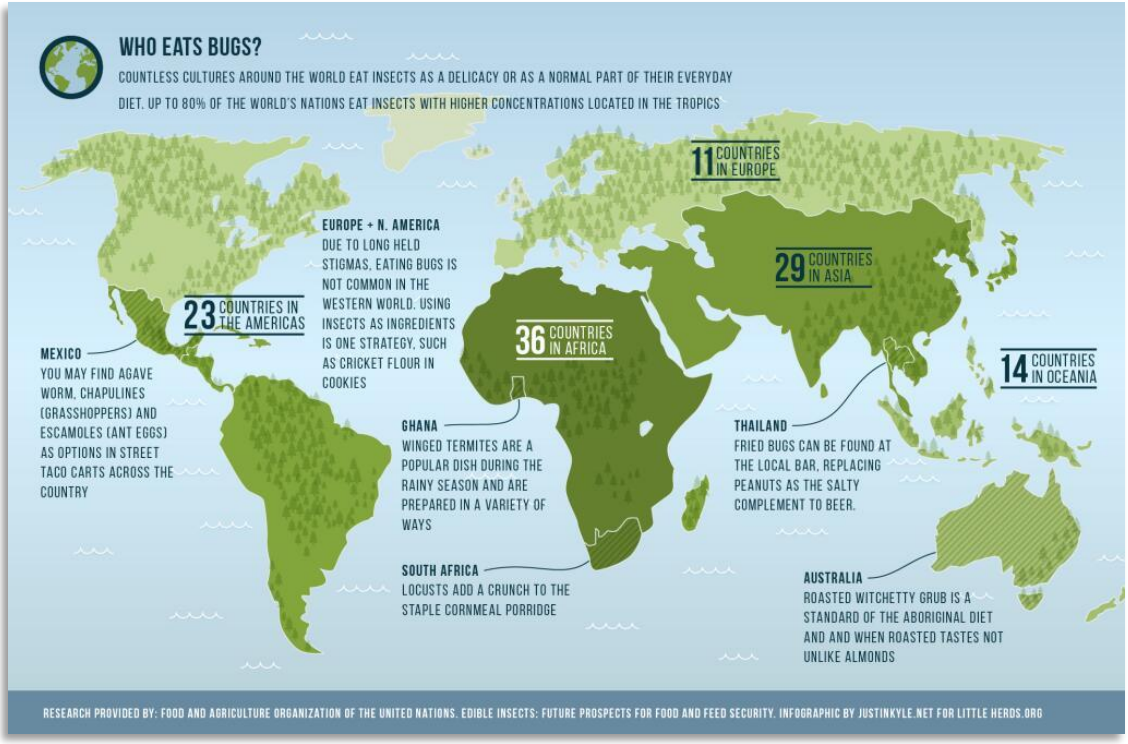


Figure 2: Relative land use in livestock farming systems *Courtesy of Little Herds (www.LittleHerds.org)*

Mission Statement

Farms for Orphans' mission is to ensure orphaned and underprivileged children in developing countries have a sustainable source of nourishment and access to education by building the agricultural infrastructure needed to produce food and provide training in environmentally-sound agricultural practices.

Specific Objectives and Purposes

- To provide charitable resources to ensure orphaned children and underprivileged youth in developing countries have a reliable and consistent source of sustenance by building the agricultural infrastructure needed to raise livestock and grow crops;
- To provide educational opportunities and resources to underprivileged youth in developing countries in environmentally sound agricultural practices so that they may achieve self-sufficiency as adults and become productive and valued members of their community;
- To engage in charitable activities related to improving the health and well-being of orphans and other youth in need in developing countries through better access to medical care, sanitary living conditions, and education;
- To engage in scientific research activities related to improving agricultural output using environmentally conscious approaches, controlling the spread of detrimental diseases to livestock and crops, and preventing zoonotic disease transmission.

Enjoying a healthy meal in Kinshasa, DRC

Programs & 2017 Highlights by Month

Kimpoko Test Farm

To address the challenge of malnutrition in vulnerable children, Farms for Orphans has developed its initial programming around the cultivation of insects that are commonly eaten and popular within the DR Congo. Farms for Orphans designed an exploratory "test farm" to assess the requirements and feasibility of farming African **palm weevil larvae (PWL)**. Palm weevil larvae are a popular food source in West and Central Africa, but they are typically wild-caught and available only seasonally. The test farm was developed in partnership with, and built on land owned by, Global Orphan Foundation (GOF), Farms for Orphans' first operational partner in the Democratic Republic of the Congo.

Farms for Orphans launched its efforts growing larvae of the African palm weevil (Rhynchophorus phoenicis). These grubs are typically harvested from the wild, though recent interest in insect agriculture has led to efforts to study, improve, and increase their cultivation.

The test farm is housed within a 40-foot, "upcycled" shipping container within the village of Kimpoko, DRC. From **March through May**, the container was outfitted with shelving, ventilation, and windows. The container was painted with a heat-reflective coating, and passion fruit vines (known locally as *mariksa*) were planted around it to shade it and provide an additional edible crop. By **June**, test farm managers had begun farming activities and started to refine procedures and inputs to maximize yields.

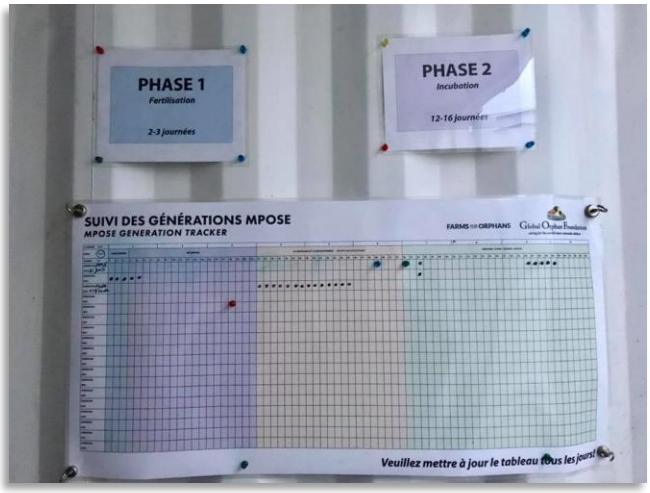
FFO's palm weevil larvae test farm in Kimpoko, DRC

Orphanage Partner Farms

FFO's orphanage program launched in **June** with the training of staff from five orphanages in the DR Congo. A second training was conducted in **September**. Over the course of two days, orphanage representatives learned about the African palm weevil's life cycle, necessary supplies and instruments and their proper use in successful PWL farming, PWL feed, biosafety and biosecurity in the farms, and appropriate record keeping and reporting practices. This training was conducted in partnership with representatives from Global Orphan Foundation and utilized skills and insights gained through the Kimpoko test farm trials. Each participant received a certificate of completion at the end of the second training day.

Following the September training, orphanage representatives received essential farming tools, biosafety and record-keeping materials, and "starter" larvae to initiate PWL breeding cycles.

Clockwise from top left: Orphanage representatives takes notes while PWL training methods are described; Nelly, FFO's farm trainer demonstrates the use of sugar cane in farming PWL; FFO's orphanage representatives complete their two-day insect farming training.



Clockwise from top left: FFO's 'start-up kits' provide all of the supplies necessary to successfully farm palm weevil larvae in a small, urban setting; Start-up kits ready for distribution to orphanage partners; a chart for tracking PWL farm developments is set up for insect farm training.

In **November**, Farms for Orphans hired its farm trainer, Nelly, to serve as a farm manager to oversee the Kimpoko test farm and support our orphanage partners as they prepared to begin on-site orphanage farming. While our partners own their farms and assume primary responsibility for their day-to-day management, Nelly was brought on board to visit each farm monthly and conduct weekly calls to answer questions, provide encouragement, and ensure the PWL farms develop smoothly.

Nelly, FFO's farm manager, discusses biosafety and biosecurity with an orphanage representative.

In **December**, Nelly was saddened to discover that one orphanage had consumed their full supply of 'starter' PWL in an effort to address overwhelming food shortages. While challenging, this development presented FFO with a useful opportunity to refine our partner support program. More critically, however, it highlighted the difficult reality of the food insecurity that our partners face each day, underscoring the need for strong hunger-oriented programs globally. This only deepened our own commitment to our work and the children we serve.

Program Development

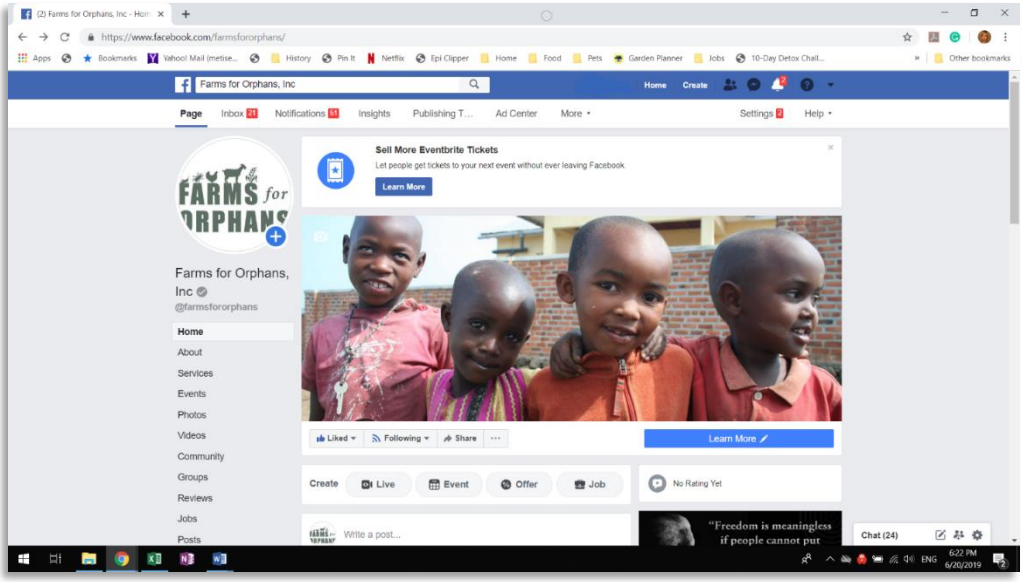
In addition to implementing our primary objectives of farming with institutions that serve orphans and vulnerable youth, Farms for Orphans took steps to expand its professional reach in 2017. In **February**, Dr. Franklin (CEO of FFO) attended the Global Food Security Conference hosted by the American Veterinary Medical Association (AVMA) in Washington, DC. The summit explored public and private stakeholder partnerships involving national and international relief and development organizations, as well as the veterinary community, to promote and enhance global food security through animal-sourced foods. Importantly, the conference provided a key networking opportunity for FFO, connecting Dr. Franklin with future operational support personnel as well as a donor who would prove foundational to FFO's 2017 activities.

In **July**, FFO met with Professor Dieudonne Musibono from the University of Kinshasa Department of Environmental Sciences. Professor Musibono developed a market survey of edible insects in Kinshasa, utilizing the effort as a teaching opportunity with his graduate students. The survey and analysis were completed in **December.** Information resulting from the survey will be used to inform potential program expansions by Farms for Orphans in the DR Congo in 2018.

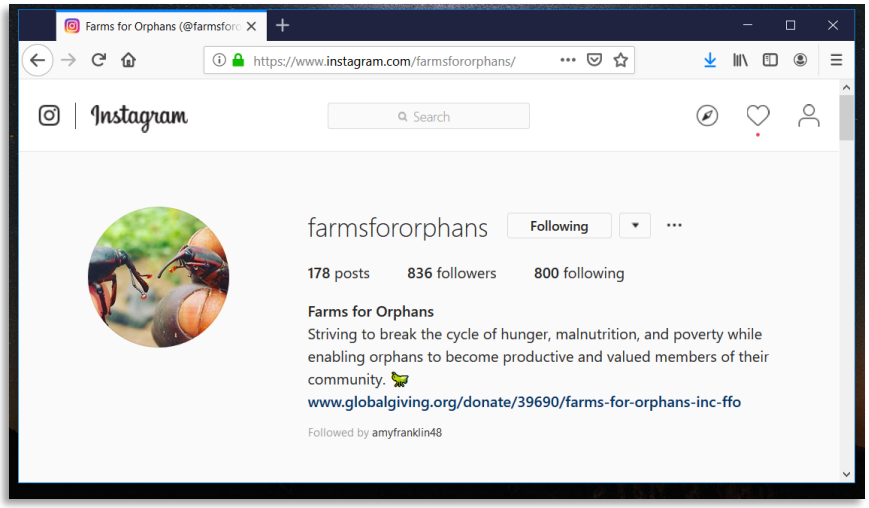
Media & Presentations

Social Media

Farms for Orphans has three social media accounts, including one each on Facebook, Instagram, and Twitter (see URL addresses below). FFO maintained a strong social media presence in 2017, sharing information about our programming, spreading the word about our July online fundraiser launch, and sharing messages and facts about insect agriculture, global hunger, and other issues related to our work.



Farms for Orphans is on Facebook at https://www.facebook.com/farmsfororphans/. FFO reached an average of 106 people and made an average of 192 impressions per day on Facebook in 2017.



Farms for Orphans is on Instagram at https://www.instagram.com/farmsfororphans/

Farms for Orphans is on Twitter at
https://twitter.com/farmsfororphans

Articles & Interviews

In **November**, Dr. Franklin was interviewed by Edible Indy, an Indiana-based outlet of the "Edible town" series of food-oriented print and online magazines found across the United States and Canada. In "*Bugging Out About Farms*," Dr. Franklin talked about FFO's motivation for building insect farms and described progress the organization had made at orphanages in the DRC. This article may be viewed online at http://edibleindy.ediblecommunities.com/food-thought/bugging-out-about-farms.

Advertisement for the Ento Nation Christmas special, guest-starring FFO's Dr. Amy Franklin. Image courtesy of EntoNation.

In **December**, Dr. Franklin joined the Christmas special edition of the EntoNation podcast. Available online, EntoNation is a clearinghouse for information on insect-related cuisine, photography, entomology, farming, and entertainment, as well as the fore-mentioned podcast. Farms for Orphans' mission and programming were discussed. The podcast may be heard at https://entonation.com/9-christmas-special-bugs-save-kids/.

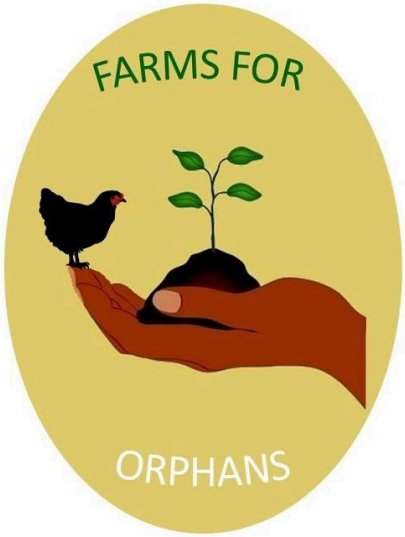
Poster Presentation

Farms for Orphans (with partners from Global Orphan Foundation) were pleased to have a poster selected for presentation at the 3rd International Conference on Global Food Security held in Cape Town, South Africa in **December** of 2017. The poster presented described work FFO and GOF have planned to evaluate nutritional improvements among orphaned children in the Kinshasa, DRC orphanage insect farms, and offered insights into expected orphanage-based yields based on returns to-date at the Kimpoko test farm. The poster was well received at the conference.

FFO and GOF presented on planned nutrition study at partner orphanages and early Kimpoko test farm results at the 3rd Annual Global Food Security Conference in Cape Town, South Africa.

New Logo

In May, Farms for Orphans got a new logo! The new logo was designed by Nicole Brandt, a Farms for Orphans partner through Global Orphan Foundation. We love it! The new logo is visible below (R) beside FFO's original logo (L). The new logo has been put into use in our online marketing materials, in reports and documentation, and anywhere else FFO has branding needs.



Fundraising & Financial Report

Online Fundraising

Farms for Orphans had its strongest financial year to date in 2017, due in part to successful efforts raising funds in person and online. Our **June** fundraiser was launched through the website GlobalGiving, a web-based 'crowdfunding' platform for non-profit organizations. Through GlobalGiving's June Accelerator program, FFO received training in online fundraising fundamentals and, by exceeding GlobalGiving's target fundraising goal of bringing in at least $5,000 from 40 separate donors within three weeks, earned a permanent place on the GlobalGiving website.

Beyond the June fundraiser, GlobalGiving has remained an important source of revenue for Farms for Orphans, netting a total of $6564.77 in largely passive income over the course of the year and earning us recognition as a GlobalGiving "Top-Ranked" organization for 2017.

FFO's GlobalGiving webpage may be found at https://www.globalgiving.org/projects/feed-empower-drcongos-orphans-through-insect-farming/.

Farms for Orphans posted a number of memes to its Facebook (L) and Twitter (R) accounts in support of its successful June GlobalGiving fundraiser.

Celebrity Endorsement

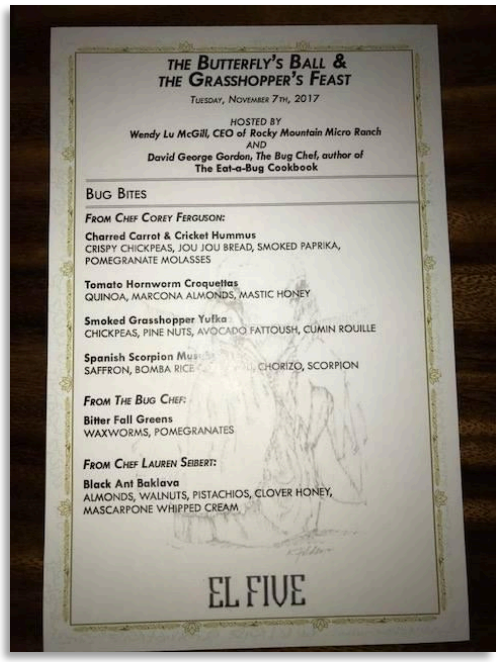
The June fundraiser marked another key milestone for Farms for Orphans, as it was when we received our first celebrity endorsement! Dr. Evan Antin, a veterinarian, Instagram star, and

People Magazine's "People Pet Vet" boosted FFO's June fundraising messaging to his nearly two million social media followers, helping to draw in revenue in June and beyond.

Dr. Evan Antin posted to his Instagram (L) and Twitter (R) accounts in support of Farms for Orphans' GlobalGiving fundraiser.

Bug Dinner

FFO benefitted from a delicious "bug banquet" hosted at Denver, Colorado restaurant El Five in **November**. Branded *The Butterfly's Ball and The Grasshopper's Feast*, the event featured dishes prepared by "The Bug Chef" David George Gordon and El Five's chefs using insect ingredients from Rocky Mountain Micro Ranch. The event raised awareness and a small amount of revenue and was a scrumptious success.



From L to R: The Butterfly's Ball & The Grasshopper's Feast menu; bitter fall greens with waxworms and pomegranates; Spanish scorpion bites

Financial Report

Farms for Orphans made significant gains in 2017 utilizing a shoestring budget.

INCOME & EXPENSES

Starting Balance:	$ 6,739.28 (12/31/2016)
INCOME	
Donations (Websites)	$ 8,437.36
Donations (Individual)	$12,800.00
Foundation Gifts	$40,522.16
	$61,759.52
EXPENSES	
Advertising	$ 586.72
Office	$ 242.48
Professional & Legal Services	$ 606.00
DRC Insect Rearing Project	$11,295.98
Business Travel	$ 6,901.16
	$19,632.34
Ending Balance:	$48,866.46

BALANCE SHEET

ASSETS	
Cash and Bank Accounts	
Bank of Colorado Checking	$48,866.46
LIABILITIES	
Outstanding Bills	$ 0.00
Total Liabilities	$ 0.00
NET WORTH	$48,866.46

Farms for Orphans in 2018: Goals & Opportunities

Farms for Orphans' program launch in 2017 established a firm platform from which the organization has room and plans to grow and develop.

Continued Platform Rollout: Economic Empowerment and Youth Training

FFO's primary consideration in 2018 is the growth and development of existing insect farms run by our orphanage partners, with the ultimate goal of providing sufficient protein to their children to prevent and address protein-energy malnutrition. FFO recognizes, however, that the poverty many of our orphanage partners face has been a significant cause of micronutrient malnutrition and a significant factor in reducing opportunity among the youth they serve. For this reason, a secondary, but no less vital, arm of FFO's operational model is the sale of extra PWL at market, providing a sustainable engine of economic empowerment to our partners and their wards. FFO therefore plans to provide those orphanage partners who achieve nutritional sufficiency in 2018 with resources and tools to effectively access markets, reach customers, and secure fair prices in the sale of surplus PWL yields.

In concert with this orphanage-level support, FFO expects to roll out the third arm of our foundational platform in 2018: vocational training in insect agriculture for older youth. By providing youth themselves with an economically-viable means to self-sufficiency, we aim to maximize insect agriculture's potential to provide both delicious, healthy, culturally-relevant foods and a means for youth to lift themselves from the depths of socio-economic disenfranchisement.

Alongside full-platform implementation, FFO aims to train more orphanages to farm PWL and to develop new partnerships to further our work in 2018.

Orphan Emergency Fund

While in the Democratic Republic of Congo, we often encounter children suffering from severe acute malnutrition. In response, FFO has established an *Orphan Emergency Fund* for rollout in 2018. This fund will allows FFO to pay medical bills and associated follow-up costs for children that require immediate medical attention and hospitalization for their malnutrition.

Severe acute malnutrition plagues children across the Democratic Republic of the Congo. Farms for Orphans is preparing to take direct action to support severely malnourished children in 2018.

People & Partnerships

Leadership & Staff

Dr. Amy Franklin, MS, DVM, is Farms for Orphans' founder and Chief Executive Officer. Dr. Franklin founded FFO in 2015 after she and her husband brought two of their children home from the DRC. She saw firsthand the conditions that orphaned and street children exist under and how poor their nutritional status is in the DRC. This experience motivated her to dedicate her career to improving nutrition and education for orphaned and disadvantaged children in the DRC and beyond.

Nelly Bwaka is Farms for Orphans' insect farming program manager. She is responsible for training our partners to farm palm weevil larvae and for providing on-going farm support as their operations get up and running. Nelly has been farming insects since 2014. She first learned insect agriculture through a Food and Agriculture Organization of the United Nations program developed to train women to farm insects in the DRC.

Pierre Mukuna holds a LLB in Private and Judiciary Law from the University of Lubumbashi. He is currently registered with the Bar of Kinshasa / Matete and the Bar of Mbuji-Mayi and is the senior Partner of the Law firm NGOTO & Associés, created in 2003. Pierre provides FFO with legal counsel in the Democratic Republic of the Congo.

Board of Directors

In addition to Dr. Amy Franklin, Farms for Orphans' Board of Directors consists of six individuals who provide guidance and oversight to the organization in program design and implementation.

Dr. Alan Franklin, Treasurer Dr. Franklin holds a PhD in Wildlife biology with a minor in statistics, MS in Natural Resources, and BS in Wildlife Science. Currently Dr. Franklin is a project leader at the USDA National Wildlife Research Center. His research focuses on studying the effects of wildlife-borne pathogens affecting agricultural and human health, concentrating on pathogenic and antimicrobial-resistant bacteria affecting food safety at the wildlife-agricultural interface. His previous research

projects focused on emerging pathogens in wildlife, such as avian influenza viruses, that affected agricultural and human health. He also conducts research on conservation issues. Dr. Franklin provides FFO with expertise in program evaluation, study design and statistical analyses.

Jeanne Cunkelman, Secretary Jeanne has served on the FFO board of directors since FFO's inception. She is a mother of three grown children and a grandmother of three, including two from the Democratic Republic of the Congo. Jeanne, now retired, served as the office manager for the Ligonier Valley Learning Center for 17 years. Jeanne enjoys spending time with family and friends, quilting and gardening.

James Cunkelman James has served on the FFO board of directors since FFO's inception. He is a retired pilot and father of three grown children and grandfather of three, including two from the Democratic Republic of the Congo. James has served as a Freemason since 1980 and previously served on the Ligonier Valley School Board (2008-2012).

Sara Gallegos Sara holds a BA in Computer Science from Ripon College and a MEd from Regis University. Sara works as a teacher for Denver Public Schools. Additionally, she sits on the boards of Farms for Orphans, Inc. and Congo Relief Mission, Inc. She is also heavily involved in refugee resettlement in the Denver, CO area. Sara and her husband, Dustin, have two daughters.

Father Gaston Muyombo Father Gaston Muyombo has served on the FFO Board of Directors since FFO's inception. Fr. Gaston lived in Denver for eight years while working at St. Mary's Catholic Church in Littleton, Colorado and St. Louis Catholic Church in Englewood, Colorado. He returned to the Congo in 1997 and founded two organizations, the Denver-based non-governmental organization *Congo Relief Mission* (CRM) and the Congolese NGO *Action Genèse Buloba* (AGB). He operates a small farm outside of Mbuji-Mayi, DRC, oversees a small parish, and provides food assistance to five orphanages.

Father Gaston has worked on past projects including construction and operation of a hospital, medical clinic, and schools in Mbuji-Mayi. He has founded churches, schools, clinics, hospitals, and a TV and radio station. He has experience in hospital administration, finance, and construction. While he lived in Denver, he obtained associates degrees in auto mechanics and architecture.

Sarah Switala Improving the quality of life for young people is Sarah's focus as a professional school counselor. Over the course of her career, Sara worked with children from preschool through college age. While attending to the academic, social/emotional, and career exploration needs of all students she serves, Sarah has a passion for working with disadvantaged populations including students experiencing homelessness and students with special needs. Sarah is thrilled to be a contributor to the Farms for Orphans mission of providing sustainable sources of nutrition to children in need in the DRC. Sarah resides in Timnath, Colorado with her husband, three sons and their pup.

Nicole Ureda, MA brings experience in global health leadership to FFO's Board of Directors. A public health professional by day, Nicole has contributed to the building of FFO's research and farm programs, cultivated and refined the organization's publications and media outputs, and developed fundraising operations and materials to advance FFO in the fulfillment of its mission.

Advisory Board

Farms for Orphans has developed an Advisory Board of seven individuals who help support and advise the organization through its growth.

Dr. Donna Curtis – Dr. Curtis obtained her medical degree from Johns Hopkins School of Medicine and is currently an Assistant Professor at the University of Colorado, Denver School of Medicine, where she specializes in pediatric infectious diseases. Dr. Curtis provides FFO with expertise in child health and nutrition.

Wendy Lu McGill is CEO/Founder of Rocky Mountain Micro Ranch, Colorado's first and only edible insect farm. With a background in sociological research in international development and intercultural communication, Wendy Lu brings a global perspective and deep understanding of the why and how of farming insects for food. Ms. McGill has supported FFO with fundraising activities and by advocating on behalf of the organization.

Dr. Kristy Pabolonia – Dr. Kristy Pabilonia is a Doctor of Veterinary Medicine. She heads three sections of the Colorado State University's Veterinary Diagnostic Laboratory and is a coordinator of the Colorado Avian Surveillance Program and the Colorado Poultry Health Board. Dr. Pabolonia brings FFO expertise on the science and safety of poultry production.

Rochelle Patton is an avid traveler with a very special place in her heart for Africa, especially the DRC. She has been passionate about entomophagy since her first travels to Asia in the late 90's, where she ate her first grasshopper in Bangkok. Ms. Patton supports FFO's online and media presence.

Dr. Arnold van Huis – Emeritus Professor of Wageningen University in the Netherlands. He is a world leading expert on insects as food and feed and is chief editor of the *Journal of Insects as Food and Feed*. Dr. van Huis provides FFO with deep insight into global practices of entomophagy.

Organizational Partnerships

The **Colorado Coalition for African Empowerment** (CCAE) is comprised of nine Colorado-registered non-profits that are collectively working to empower sub-Saharan African communities, families and orphaned children. Coalition member are present in over twenty African countries, working on holistic and sustainable projects. Coalition members collaborate through joint fund-raising and grant efforts and have worked to connect Farms for Orphans to partnership and funding opportunities. https://www.ccaeunited.org/

Farms for Orphans is a proud collaborator with the **Colorado School of Public Health**. Master of Public Health (MPH) students at the CSPH have the opportunity to work with FFO, gaining valuable practical experience while enriching FFO's programs. The CSPH is a cooperative between the University of Colorado Anschutz Medical Campus, Colorado State University, and the University of Northern Colorado, UNC. The school provides training, innovative research and community service to actively address public health issues. www.ucdenver.edu/academics/colleges/PublicHealth/Pages/default.aspx

Congo Relief Mission, Inc. (CRM) is a 501(c)(3) volunteer organization established in 1996. The objectives of CRM are to ease human suffering and to provide development assistance within the Congo. CRM currently provides food, education and healthcare to orphans in and around Mbuji-Mayi in the DR Congo. Congo Relief Mission has donated $10,000 to FFO in support of our palm weevil larvae farming initiative in Kinshasa. FFO and CRM plan to establish palm weevil farms in orphanages in Mbuji-Mayi that are supported by CRM. https://www.congorm.org/

The Food and Agriculture Organization of the United Nations is working in Kinshasa, DRC to devise farming methods for several popular insect species, including caterpillars and palm weevil larvae. FAO has generously provided FFO with guidance and expertise in the development of FFO's insect farming program. www.fao.org

Global Orphan Foundation works "to advocate on behalf of, and respond with action to provide holistic care for orphaned and vulnerable children worldwide." In 2017, FFO invited GOF to collaborate in the development of our orphanage insect farms in the Democratic Republic of the Congo. Representatives from GOF co-authored FFO's 2017 poster on entomophagy in the DRC. www.globalorphanfoundation.org

Rocky Mountain Micro Ranch "Bringing microlivestock to the range," Rocky Mountain Micro Ranch is Colorado, USA's first and only edible insect farm. Rocky Mountain Micro Ranch raises crickets and mealworms for wholesale to restaurants and food manufacturers and provides Farms for Orphans with fundraising support and insect farming guidance. www.rmmr.co

Farms for Orphans was a community sponsor of **Seeds of Action**'s 2017 *Bugs End Hunger/Fund the FIG* campaign in May of 2017. This month-long experiment in entomophagy highlighted the potential insects have to help address global hunger and malnutrition while raising funds for an open-source Farming Insect Guide (FIG). www.seedsofaction.com/bugsendhunger

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