The Roots of First-Generation Farmers: The Role of Inspiration in Starting an Organic Farm

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Abstract: This research aimed to determine salient factors affecting the decision to become a beginning organic farmer. New and beginning organic farmers have unique characteristics, showcasing their dedication to environmental justice and social justice at the expense of their own businesses. This research aimed to determine why people with no background in agriculture would start a farm when it is a high-risk and low-return business. With multigenerational farmers aging out of agriculture, we investigated the new generation and shifting demographics of people entering farming that will replace retiring farmers and feed our future. This research employed a multiple-case case study design. We conducted semi-structured interviews with 40 first-generation farmers who operate organic farms in Arkansas, Florida, or Georgia. We analyzed interview transcripts using the qualitative analysis approach of coding. Our results reveal two primary reasons why people with little practical knowledge start farms. First, they are inspired by those around them who succeed, and second, they are encouraged by influential characters in the field who assure them they can do something they love and be profitable. This research showed that first-generation farmers find inspiration and develop values rooted in food justice. Our findings have implications for developing and implementing current and future programmatic activities that aim to enhance beginning farmer training and workforce development. We identified sources of inspiration that will help researchers and service providers target newer and beginning farmers to support a vibrant food system, including burgeoning market opportunities, developing strong communities around food, and building grassroots solutions.

Keywords: farmers; first-generation; decision-making; young farmers; beginning farmers

1. Introduction

A rapidly growing “food movement” may have imposed a new reality on the so-called “rural” farmer identity [1,2]. First-generation (FG) farmers envision the revolutionization of food systems that pushes the public perception of what it means to be a farmer. This new generation of farmers often has no previous background in agriculture, and the factors that drive idealistic FG farmers, such as economic and racial justice, challenge traditional farmer identity. New and beginning organic farmers have unique characteristics, showcasing their dedication to environmental, land, and social justice at the expense of their own businesses and profits. This new generation of farmers has shown great interest in and affinity for the local and regional food movement, alternative production systems and markets, non-conventional production methods (e.g., organic, integrated pest management systems, agroecology), and the use of urban and peri-urban land for agricultural production [1–8]. The literature has documented that new and beginning farmers, particularly those who follow organic production methods, aim to produce nutritious and environmentally sustainable foods that facilitate ecological and cultural connections between the land and consumers [9–14]. Given the heterogeneity in the geographical location of organic farms
and new and emerging markets served, first-generation organic farmers are key actors in the exurbia landscape, bridging rural–urban connectivity through developing agricultural supply chains that cover urban, rural, and peri-urban areas. This paper investigated the drivers of first-generation farmers’ decisions to start a farm.

1.1. The Food Movement

From DDT, to Rachel Carson’s 1962 book *The Silent Spring* and the creation of the Environmental Protection Agency (EPA), the newest wave of the environmental movement has its roots in the social movements of the 1960s and 1970s [2–4]. Since the 1990s and on, a new form of environmentalism, called environmental justice, has strengthened [1,5,6]. Environmental justice combines physical environmental concerns with social and economic environments. The environmental justice movement focuses on regenerative environmental practices, specifically for low-income people and people of color. Low-income people and people of color are more likely to experience the adverse environmental effects of pollution due to a lack of economic mobility resulting from systemic racism (i.e., environmental racism) [15–20]. Negative environmental impacts are not the only unintended consequences of accelerating agricultural innovations.

Agricultural subsidies and crop insurance have changed the way consumers eat. Historically, post-World War I, large-scale grain farmers received subsidies for stockpiling food in case of a famine. As agriculture evolved technologically, these policies did not evolve equally. Now, crop insurance incentivizes growing certain crops, favoring commodity crops that typically have a long shelf-life and are easily transported [21,22]. The opposing, although initially unintended, the consequence is a bias toward agronomic and commodity crops and against horticultural crops, which are higher-risk crops [23]. This drives down the prices of commodity crops, while most horticultural crops do not receive that benefit. The result is diet-related diseases and hunger resulting from the long-term effects of diets made up of calorie-dense, long-lasting foods being much cheaper than foods that are not calorie-dense, like fresh fruits and vegetables, paired with the inability to afford fresh fruits and vegetables. Diet-related diseases and hunger emerged as unintended consequences, disproportionally affecting low-income people and people of color [24–29].

1.2. Choosing Farming as a Profession

The public perception of farming is not one of a low-risk, high-reward business that people flock to. Yet, new and beginning farmers are on the rise to the extent that a federal program is now dedicated to offering them resources (Beginning Farmer and Rancher Development Program (BFRDP), established in 2009). Any start-up business has capital risks and market risks. Agricultural enterprises have the added risk of unpredictable weather patterns, pests, or diseases that could decimate their business in a matter of days. Starting a farming business is a high-risk decision, clouded by the idealism of the food movement. Farming is one way to contribute positively to the natural environment and provide nutrient-dense fresh fruits and vegetables to people who want and need them. People who choose to start a farm business to address environmental and social issues likely have no agricultural background. However, the reality of starting a business is that it must provide an income to be financially sustainable and have a long life.

1.3. Purpose of the Research

The purpose of this research was to determine why FG farmers with no background in agriculture are starting farms. Several changes are happening in agriculture, with unknown implications for future food systems. One common concern has centered on age. Farmers are aging out of agriculture, which is not a new trend. What is a new trend is that there are newer and beginning farmers, young farmers, and women farmers (as reported by the United States Department of Agriculture (USDA) 2017 Census of Agriculture report, published in 2019). Direct-to-consumer sales doubled from 2012 to 2017, and organic sales increased by 132% in the same period. If we focus on growing trends, we observe that new
and beginning, young and women farmers are on the rise, and that direct-to-consumer and organic sales have consistently increased. These changing demographics and market changes indicate a shift in the agricultural sector. If these trends continue to increase, there will be opportunities for researchers, service providers, and policymakers to develop innovative ways to support these new groups of farmers. This research investigated start-up farm businesses’ conflicting social, environmental, and financial values through two main research questions: (1) Why are FG farmers starting farms? (2) Why would individuals with no background in agriculture start a high-risk/low-profit business?

2. Review of the Literature

2.1. Environmental Values

The negative impacts of industrial agriculture on the environment are a driving force for new and beginning farmers. New and beginning farmers set out to be an example of a new direction for sustainable agriculture [9–11], showing that farming can be a successful enterprise by working with natural ecological cycles instead of manipulating them with intensive inputs [12,30,31]. Overall, new and beginning farmers value producing food that does not impact the environment negatively. They reject the large-scale, globalized, and industrial agriculture model in favor of small diversified systems using environmentally friendly practices [10,12,30].

New and beginning farmers are deeply concerned about practicing environmentally “good agriculture”. There appears to be a binary in how farmers describe good agriculture versus bad agriculture. New and beginning farmers tend to express their farming practices as interdependent, natural, sustainable, and holistic [11,30–33]. Contrarily, they describe conventional agriculture as damaged, polluted, and harmful [30,34,35]. However, environmental values often clash with economic and financial interests.

2.2. Social Values

Social responsibility is a significant contributor to the values of new and beginning farmers. Values that aim to improve quality of life are embedded in the food justice aspect of the food movement. Unsurprisingly, providing fresh and healthy food is highly valued among new and beginning farmers. Similar to environmental values, new and beginning farmers view the food produced in conventional and industrial systems as unhealthy, but in a different way. New and beginning farmers cite pesticides as toxic to human health, and they aim to use as few pesticides as possible, if at all, while what pesticides they use are approved for use in organic systems [10,12,31,36]. Farmers value walking out to the field, picking fresh produce, and eating it from the field. Being able to do this makes the food “healthy”.

Eating fresh food from the field is the basis of farm educational values. Much of the literature discusses new and beginning farmers who incorporate an educational component into their farm business. They value educating their customers and the broader community about their food’s origin [9,10,12–14]. They inform and educate their customers and communities by showing how many miles their food has traveled, the physical work it takes to grow food, and the nutrients required, and demonstrate farming as a way to connect with nature.

Farmers’ educational goals logically emerge from a community need, in that there is a population lacking knowledge about food systems—a gap that educational activities on the farm could fill. However, knowledge alone is unlikely to change eating behavior [37–41]. Farmers are concerned with diet-related diseases such as heart disease and type II diabetes, which can be partially managed by a diet including abundant fruits and vegetables. New and beginning farmers with educational aspirations target populations they think could benefit from education about nutritious foods, plus offer them a venue to purchase it. Despite a commitment to improving the health of customers and communities, farmers are underprepared to facilitate actual behavioral changes, if that is their intent. Notably, the literature reviewed about new and beginning farmers does not identify low-income
communities as a target community, even though they suffer disproportionately from chronic diseases associated with diet quality. There is a disconnect between wanting to provide healthy food to people and acknowledging that those who need it are unlikely to be able to afford it.

Beyond food and education, new and beginning farmers value the benefits of being a farmer. Many farmers left a previous career to start a farming business because they wanted to spend more time with their families [9,10,13,31,42]. Instead of spending all day at an office, new and beginning farmers now have the opportunity to see their young children grow up in a “wholesome” environment [9]. In addition to time with loved ones, people entering farming love being outdoors and growing food, which provides meaning that a previous career did not [10,14,31,36,42]. Farmers value a high quality of life for themselves and their communities.

2.3. Financial and Business Values

New and beginning farmers have several strategies to make the finances of their farm work, including using personal wealth, accessing capital, having an off-farm income, and trading, bartering, and sharing as strategies to relieve financial burden [10,31,43].

Many new and beginning farmers have access to capital that they can easily leverage for a start-up. In the Section 2.2, we note that some new and beginning farmers left their careers because they value spending time with their families and being outdoors. Often, new farmers coming from a previous career will have personal savings they use for start-up funds [9,11,35]. One unique quality of new and beginning farmers is that they are unlikely to inherit a farm. This leads to a higher financial burden on them in terms of affording the infrastructure and all the other overheads associated with starting a farm. However, a few new and beginning farmers inherit land from their families, even though it has not been used for farming [17]. Personal wealth can also come in the form of a monetary inheritance, selling appreciated property, and retirement income [11,35,44]. Although these farmers can leverage start-up capital quickly and easily, there are still distinct groups among those with personal wealth: those who work for their money and those who do not. It is not so simple, as many farmers use a combination of personal savings, family loans, bank loans, and family land to sustain their farms. The deciding factor for who can farm and who cannot is based on who has the capital, no matter its source.

Another strategy for financial sustainability is related to having an off-farm income. Farm households with off-farm jobs supplement their farm income [9,11,13,34]. Farmers who have second jobs likely grow their farms more slowly than farmers who can dedicate all their work time to the farm. Farmers with partners with off-farm income can use that as a safety net. In either situation, supplementing farm finances indicates that new and beginning farmers are not making a sustainable income. However, for many, financial success is not a goal of their farming operation, and they seek farming as a “way of life” rather than a viable business venture [10,34,44]. Even though we only included literature addressing commercial farms, new and beginning farmers are finding innovative ways to make their finances work in order to adhere to their environmental and social values.

The entrepreneurial spirit persists in new and beginning farmers. Many farmers seek outlets based on the potential market, choose a farm design based on profitability, and look for multiple revenue streams through agritourism, value-added products, and workshops [12–14,31–39,44]. The entrepreneurial types want to demonstrate that farming does not have to be a business with low-profit margins. Instead, researching viable market settings, having a business plan, and selecting cash crops and multiple revenue streams can lead to a financially successful farm business. These farmers are typically in urban settings or sell to urban populations and have customers with expendable income. The bias toward profitable farms located in urban environments with clientele with expendable income points to their role in economic inequalities. While they have developed a model that works for affluent urbanites, it is not a viable farm business model for all new and beginning farmers. As the market becomes saturated, new and beginning farmers may
have to develop innovative ways to make an income or use other strategies to reduce their financial burden.

2.4. Conflict and Compromise

Much of the literature describes new and beginning and young farmers who are inexperienced and strive for balance [10,30,45,46]. Farmers discuss balance in several capacities, for example, balancing natural ecological systems with the need to consume natural resources to farm [30]. Farmers may come to agriculture as a way to reject what they call “industrial” or “conventional, large-scale” agriculture, but soon face the reality of financial sustainability. Farmers must decide between adhering to their commitment to environmental essentialism or compromising and engaging in “destructive” ecological practices. This could be the difference between losing a crop and saving it in some instances. Environmental ideals are not the only balance new, beginning, and young farmers face.

New and beginning farmers may consider starting a farm to counteract traditional farming systems. Many soon find out that adhering to ideals is costly [11–13,31,44,47]. Farmers who are highly dedicated and committed to sustainable agricultural systems such as regenerative, organic, or permaculture are less likely to be profit-driven. However, farmers are still businesspeople and must provide household security for themselves and their families. Those who choose idealism suffer financially due to a choice between idealism and profit. Farmers in the literature report compromises, such as paying themselves less, raising prices at market, or relying on personal savings or outside income. While farmers may aim to be environmentally sustainable, it seems unlikely that they could also have an independently financially sustainable business.

Many terms in the literature used to describe new and beginning farmers are passionate, inspired, hopeful, ethical, and motivated [9,10,12,30,48]. They also rely on outside sources of capital for cushioning and to fund their internships, refer to themselves as privileged, and rely on affluent clients even if they want to improve food security [9,11,35,44,48]. The relationships between goals and values are complex and conflicting.

Multiple and conflicting values influence decisions a farmer will make to different degrees. Women may make decisions from the point of view of a caretaker role, a farmworker role, or an entrepreneurial role. Women in a masculine-dominated profession may make decisions differently based on the demographic makeup of their peers [45]. The decision to start a farm and the subsequent decisions to maintain a farm evolve, often shifting from idealism to financial necessity [42].

2.5. Theoretical Framework

Icek Ajzen’s theory of planned behavior (TPB) considers the role of attitudes in determining a behavior, subjective norms, perceived behavioral control, intention, and behavior [49]. This theory is prominent in the literature, and is used to explain health and social behaviors [50–56]. In this study, we employed TPB to formulate hypotheses and identify salient mechanisms and processes that lead FG farmers to start a farm. Table 1 displays the theoretical constructs we used in this research to explain the decision to start a farm, and Figure 1 shows their hypothesized relationships.

We anticipated three primary relationships occurring in our model. First, we posited that new and beginning farmers had developed specific noneconomic, economic, and environmental goals as a product of experience. Second, we expected that a person’s goals and values contribute to a comprehensive set of goals and values that they subsequently weigh against what they believe are the risks and benefits of starting a farm. Finally, we hypothesized that while this complex weighting of pros, cons, values, and goals occurs, the person experiences or encounters some sources of inspiration that facilitate the decision to start a farm.
Table 1. Theoretical constructs, derivative theory, and corresponding citations.

<table>
<thead>
<tr>
<th>Theoretical Constructs</th>
<th>Derivative Theory</th>
<th>Citations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outcome: Why did you start a farm?</td>
<td>Identity theory</td>
<td>Brasier et al., 2014; Inwood, 2013 [42,57]</td>
</tr>
<tr>
<td>Perceived benefits</td>
<td>Economic sociology; feminist political ecology; feminist theory; rural sociology</td>
<td>Inwood et al., 2013; Jarosz, 2011; Shisler and Sbicca, 2019 [10,42,45]</td>
</tr>
<tr>
<td>Environmental goals and values</td>
<td>Ecofeminism; ethical decision-making</td>
<td>Abatemarco, 2018; Pilgeram, 2019; Sulemana, 2014;</td>
</tr>
<tr>
<td>Inspiration</td>
<td>Economic sociology</td>
<td>Dmitri et al., 2015; MacAuley et al., 2016; Rudolphi, 2020; Tutor-Marcom et al., 2014 [13,47,48,59]</td>
</tr>
<tr>
<td>Risk</td>
<td>Farm family stress and injury model; occupational stress</td>
<td>Pilgeram and Amos, 2015; Plotkin and Hossanein, 2017; Rissing, 2016; Trauger et al., 2010; Wypler, 2019. [31,35,35,60,61]</td>
</tr>
<tr>
<td>Economic goals and values</td>
<td>Gender; affordability gap (deductive); theory of treadmill; civic agriculture; social capital theory</td>
<td>Shisler and Sbicca, 2019; Jarosz, 2011 [10,45]</td>
</tr>
<tr>
<td>Noneconomic goals and values</td>
<td>Rural sociological theory</td>
<td></td>
</tr>
</tbody>
</table>

Figure 1. Theory of planned behavior adapted to this study.

3. Materials and Methods

3.1. Area of Study

This research took place in the southeastern US. The southeastern region is known for a troubled past and a legacy of systemic racism post-Civil War. This is primarily tied to farming because white plantation owners enslaved Black people. Even after the emancipation proclamation, Jim Crow laws ensured that black people in the South were arrested for petty crimes and sent to work on farms instead of jail. The roots of systematic racism are prevalent in the South. Yet, the current literature on farmers focuses on areas known for more progressive laws and policies, such as New England and the Pacific Northwest. We focused on the Southeast because of the paucity of scholarly research on new and beginning farmers in the South. We interviewed farmers from Arkansas, Florida, and Georgia.

3.2. Research Design

This study used a multiple-case case study design to explain a specific phenomenon: why FG farmers start a farm. The University of Florida Institutional Review Board approved this study (IRB #201602322). Written informed consent has been obtained from each participating farmer. In each case, the farmer was its own comparator, and we established
an understanding of the interactions between the farmer and the outcome of starting a farm [62]. This explanatory case allowed us to understand the processes that lead to a specific outcome [63]. An explanatory case study best fits this research question because it provides an in-depth understanding of the complexities of decision-making. The benefit of in-depth case studies is the rigorous understanding it offers of the phenomenon under study. Case studies allow for a breadth of constructs to be investigated and, like cross-sectionals, allow the researchers to probe (if necessary) to explore the full range of responses.

3.3. Population and Sampling

The population of interest in this study includes FG farmers in the Southeast who use organic practices. Based on the National Organic Program’s (NOP) definition and standards, this research focuses on organic farming practices. However, we did not require that participants have certified organic farms. Not all farmers who practice organic farming are certified, and multiple certification schemes are available. In this study, the target population was FG farmers who use organic practices in the Southeast.

The sampling method we used was referral sampling. In this study, we screened for participants who (1) are first-generation farmers, (2) use organic practices, and (3) were the person who made the decision to start a farm. Referral sampling results in a non-random sample of specific individuals within a community [64]. Referral sampling begins with key informants and their recommendations to build the sample. We identified one key informant per state with whom the authors had an established relationship. Once we had an initial list of farmers fitting our pre-determined criteria from key informants, we asked farmer participants for recommendations. We asked farmer participants to recommend three farmers who we could contact to participate in this research. Researchers typically use referral sampling for hard-to-reach populations [65]. It is also helpful as a tool to determine how far into a social network the researcher reached. Once the same names of farmer participants began to emerge from an interview, we could establish that our sample penetrated multiple tiers of a farmer’s social network. Our final sample comprised 40 farmers.

Determining sample size is a topic often debated in social sciences because of the lack of uniformity across disciplines and the lack of rigor in methods used to determine sample size. Malterud et al. (2016) suggested determining sample size based on information power, determined by five criteria: study aim, sample specificity, use of established theory, quality of the dialogue, and analysis strategy [66] (see Malterud et al., 2016, p. 1756 Figure 1). This paper featured a narrow aim, dense specificity, applied theory, case analysis (explanatory), and strong dialogue. We continued sampling through referral methods until the same farmer names re-emerged, indicating we were reaching a broader sample. However, a sample of 40 farmers does not represent the Southeast or individual states, as we only interviewed farmers in six major cities and their surrounding areas in three states in the Southeast. Our sample was not exhaustive and did not reach all farmers in the networks where we conducted interviews. Future research should build on this study to expand a sample to more first-generation farmers by state or region.

3.4. Instrumentation and Data Collection

We developed a semi-structured interview protocol to obtain an in-depth understanding of the aspects of FG farmers [65]. We conducted an expert cognitive review of the interview protocol. The expert review involved consulting an expert in the field of study to determine if the protocol accurately reflected the target community [65,67,68]. Data were collected via semi-structured interviews once the protocol was validated and revised based on the expert review.

Semi-structured interviews allow more flexibility than other methods, allowing researchers the ability to follow specific lines of inquiry that emerge and allowing participants more freedom to stray from structured questions. Unlike structured interviews, semi-structured interviews allow for deviation from the interview questions to better understand
complicated topics [65]. Open-ended interview questions and the ability of the researcher to ask probing questions improves the theoretical rigor and explanatory power of a study’s conclusions. The advantages of interviews include in-depth explanations not otherwise captured by indices or structured interviews. This gives the opportunity for the researcher to ask directed questions to capture a broader range of responses. Comparison groups also increase explanatory power by offering competing explanations for an outcome, thus building theory. We developed our interview protocol based on theoretical constructs in the existing literature base, with environmental, economic, and noneconomic goals (Table 2).

Table 2. Interview items according to theoretical constructs.

<table>
<thead>
<tr>
<th>Theoretical Constructs</th>
<th>Interview Item(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outcome: Why did you start a farm?</td>
<td>What were you doing before you started a farm? Why the transition from your previous career to farming?</td>
</tr>
<tr>
<td>Perceived benefits</td>
<td>What specifically attracted you to farming to prompt the switch? Did you have any environmental goals for your land when you started out?</td>
</tr>
<tr>
<td>Environmental goals and values</td>
<td>Why did you decide to grow organically? Who and what do you think benefits from organic practices? What do you do to maintain a biodiverse farm? Was there anyone in particular who inspired your vision for your farm?</td>
</tr>
<tr>
<td>Inspiration</td>
<td>Probe: For example, a role model. Follow-up: What are the qualities that inspired you?</td>
</tr>
<tr>
<td>Risk</td>
<td>What did you perceive as the main risks you were facing when you started your farm? How did you make [your farm] happen financially?</td>
</tr>
<tr>
<td>Economic goals and values</td>
<td>How do you balance what is sustainable for a customer to pay versus your financial security?</td>
</tr>
<tr>
<td>Noneconomic goals and values</td>
<td>What personal benefits do you get from farming that keep you coming back?</td>
</tr>
</tbody>
</table>

3.5. Data Analysis

We used an inductive and deductive qualitative data analysis approach [57]. First, we transcribed the digitally recorded interviews. Next, we conducted three cycles of coding. The first included descriptive and structural coding, followed by theoretical and elaborative coding. Once the data were themed and categorized, we created the theoretical model. This approach used both theoretically based concepts and themes and emergent or unanticipated themes to ensure that the data analysis addressed the theoretical issues central to the study but did not omit other concepts not included in the theoretical framework.

Following the approach of Saldana (2015), we used a combination of descriptive and structural coding for the first coding cycle, building a complete body of codes [69] (p. 70). The next step was structural coding. Unlike descriptive coding, structural coding involves coding discussions based on concepts, not just topics [69] (p. 66). Finally, we concluded coding with theoretical and elaborative procedures. Theoretical coding involves finding the “core categories” [69] (p. 163). Specifically, we understand the “core category” as described by Glaser and Strauss (1967), “a well-developed set of propositions” [70]. Next, we made propositions that connect the categories to each other in an explanatory way, extracting meaning from the relationships in a hypothesis-like way.

We developed a model to compare key themes, processes, and patterns that emerged from the data. These models reveal differences as well as similarities between and among cases. Next, we used conceptual mapping to develop a visual model. In conceptual mapping, the first step is building a situational map. Bazeley (2013) described it as “dumping grounds” for all the elements important to the study [71] (p. 311). Next was the “world” map, wherein we considered how the elements of a social world interact [71]. Finally, a positional map emerged that represented positions rather than individuals. This research developed a model to explain why first-generation farmers started a farm.
4. Results

The following section presents information about the FG farmers we interviewed and results from the data analysis of interview transcripts. First, we provide the demographic profile of the sample. Next, we present results from first- and second-level coding procedures. Finally, we offer the theoretical model with its constructs and propositions.

4.1. Demographics

Table 3 displays participant demographics. These include age, sex, and level of education. The youngest participant was 24, and the oldest was 70. There was nearly an even split in the number of male and female participants. Most (62.5%) had at least a Bachelor’s degree, with 77.5% having a Bachelor’s or Master’s degree. A majority of participants were white (85%), with the remaining 15% consisting of Indian, Black, Native American, Hispanic, and Italian.

Table 3. Sample demographics.

<table>
<thead>
<tr>
<th>Gender</th>
<th>Age (Years)</th>
<th>Race</th>
<th>Education Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>Female</td>
<td>White: 34 (85%)</td>
<td>High school graduate: 2 (5%)</td>
</tr>
<tr>
<td>21</td>
<td>19</td>
<td>Indian: 2 (5%)</td>
<td>Trade/Technical/Vocational: 3 (7.5%)</td>
</tr>
<tr>
<td>52.5%</td>
<td>47.5%</td>
<td>Black: 1 (2.5%)</td>
<td>Some college, no degree: 4 (10%)</td>
</tr>
<tr>
<td>Min: 26</td>
<td>Max: 70</td>
<td>Native American: 1 (2.5%)</td>
<td>Bachelor’s degree: 25 (62.5%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hispanic (Cuban): 1 (2.5%)</td>
<td>Master’s degree: 6 (15%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other (Italian): 1 (2.5%)</td>
<td></td>
</tr>
</tbody>
</table>

4.2. Coding

First-level coding led us to look at participant responses for descriptive codes. We identified responses according to seven codes in the literature, as shown in Table 1. Next, our second-level coding was structural in nature, identifying concepts within (or without) our first-level descriptive codes. Structural coding revealed 162 codes. These codes, definitions, and frequencies can be found in Table S1 in the Supplementary Materials. Following structural coding, we conducted theoretical coding to identify propositions to explain relationships among inductive and deductive theoretical constructs. The following section discusses our theoretical model, its constructs, and propositions.

4.3. Theoretical Model

The theoretical model presented in Figure 2 shows the theoretical constructs we identified, and maps out how they relate to one another and their role in starting a farm. Each of these decision-making phases has corresponding theoretical propositions (Table 4). First, we contended that an FG farmer must experience a “spark” that develops from a source of inspiration in tandem with developing their environmental and noneconomic (social) values. Next, we proposed that while this feedback loop is between values and inspiration, an FG farmer transforms their process by confronting the realities of starting a business. In this stage, FG farmers weigh the pros and cons and the perceived benefits, risks, and resource access. We found that FG farmers synthesize their economic, noneconomic, and environmental goals for a business to develop the concrete action of starting a farm.
### Table 4. Theoretical propositions.

<table>
<thead>
<tr>
<th>Number</th>
<th>Proposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FG farmers experience a spark of inspiration.</td>
</tr>
<tr>
<td>2</td>
<td>FG farmers’ spark of inspiration influences their values and vice versa.</td>
</tr>
<tr>
<td>3</td>
<td>Idealistic farmers confront the reality of starting a business through perceived benefits, access to resources, and perceived risks.</td>
</tr>
<tr>
<td>4</td>
<td>FG farmers anticipate the benefits of their work will be meaningful and rewarding.</td>
</tr>
<tr>
<td>5.1</td>
<td>Meaningful benefits may be focused on themselves and/or their surroundings.</td>
</tr>
<tr>
<td>5.2</td>
<td>Rewarding benefits are related to the fruits of their labor in the field or the community.</td>
</tr>
<tr>
<td>6</td>
<td>FG farmers anticipate they will face financial risk and physical risk.</td>
</tr>
<tr>
<td>7</td>
<td>FG farmers have access to resources through personal wealth, inherited land, and off-farm income.</td>
</tr>
</tbody>
</table>

#### 4.4. The “Spark”

Proposition 1: FG farmers experience a spark of inspiration.

Nearly all the farmers we interviewed could pinpoint the moment of inspiration or the time in their life that sparked the inspiration, which would lead to them starting a farm. Whether picking up a book by chance, a friend who recommended a YouTube video, seeing an inspiring speaker, or watching others succeed, the spark of inspiration is the underlying concept of all the preceding theories and propositions. Inspiration here generally falls into two categories: education-related and farmer-related. We then coded these two categories to identify the education-related materials discussed and the terms farmers use to describe other farmers who inspired them (Tables S2 and S3).

Books were one of the most common sources of inspiration for first-generation farmers. FG farmers cited authors such as Jane Goodall and Michael Pollan as critical to their awareness of what it means to be a good steward of the land. Farmers discussed feelings of hope for the future of sustainable agriculture and confidence in the principles of environmental stewardship (e.g., supporting biodiversity or building on soil health). Farmers described how they were drawn to farming and believed they could contribute to positive changes in the current US food system. For example, farmers often discussed how current large-scale conventional production systems contribute to greenhouse gas emissions, global warming, pollution, and environmental degradation. If nothing else, authors inspired farmers to “not make [the environment] worse,” in the words of one Atlanta farmer.

Inspirational authors did not always focus on drawing their audience’s attention to threats of environmental degradation. Farmers also cited names such as Jean-Martin Fortier and Curtis Stone as instrumental in starting a farm. Jean-Martin Fortier and Curtis Stone are pioneers in the market farming movement. Fortier’s 2014 book “The Market Gardener” proposes a farming methodology wherein minimal inputs, the right market, and low labor costs can be lucrative to anyone who follows his plan [72]. Similarly, Stone’s 2015 “The Urban Farmer” guides people looking to profit using intensive food production in small spaces [73]. Fortier and Stone are common names within the direct-to-consumer farmer crowd. They propose profitable systems that people who want to start farms could...
adopt. Some farms inspired by Fortier and Stone developed online courses to teach the methodology. For example, a farmer talks about a farm in New York State:

“Neversink Farm has a course, and [Fortier] has a course. So, we paid for both of them as you know, kind of an education budget. There are many starting farmers who feel like [Fortier and Stone] are kind of exploiting beginning farmers, which I completely disagree with, in a sense they feel like this education should be free. I disagree”.

First-generation farmers also found inspiration from the attractive qualities of other farms and farmers—the primary descriptors of inspirational farmers related to work ethic and personality. FG farmers described inspiring farmers as hardworking, committed, successful, and innovative. They also valued authentic, confident, encouraging, supportive, and knowledgeable peer farmers. One Athens, Georgia, farmer describes inspirational farms:

“There’s some, like, just friends that I have where I’ve looked at it, and like, holy shit you’re doing it, and you’re making it work, and you’re like still able to go on vacation”.

4.5. Values

The environmental and social values held by farmers were closely related to their source of inspiration. Overall, the values encompass justice and social justice. FG farmers valued “good” food. Countless farmers used the word “good” and the term “good food”. Environmental values that make up good food include avoiding chemicals, building healthy soil, and working with natural ecosystems. In general, the literature shows that organic farmers see their practices as an opposition to the negative impacts of the Green Revolution due to reducing biodiversity and intensive pesticide, herbicide, and synthetic fertilizer use [74–79]. The Green Revolution introduced technologies essential to the survival of millions of people at the time but caused unanticipated environmental damage, for example, the persistence of the pesticide dichloro-diphenyl-trichloroethane (DDT) in soils. The responses of FG farmers are consistent with the existing literature on the environmental values of organic farmers [78,80–83].

“Good food” also means good for communities. FG farmers value a healthy food system to use their farms to educate their communities about healthy and nutritious foods. Following suit with the environmental values, FG farmers equate “good food” with organic practices and feel compelled to educate their audiences about “good food”. FG farmers see other social value in organic practices, too.

The working conditions of employees were a high priority for FG farmers. They described wanting their workers to stay healthy, not spraying chemicals, taking regular breaks for food and water, and paying them a living wage. FG farmers value social “goods” beyond what they produce in the field and feed to consumers. Worker well-being was also a way to counter large-scale producers that exploit migrant workers. This finding suggests that values and idealism do not always translate to what is practical and realistic for running a business.

Proposition 2: Inspiration influences values and vice versa. Inspiration and values can be a chicken and egg situation, with it being unclear which came first. In some cases, they function as a feedback loop that builds up over time. The double-sided arrow in Figure 2 refers to the interconnectedness of these two constructs.

4.6. Reality

“Reality” in Figure 2 was the facilitator between a potential farmer’s inspiration, values, and ideals and the risks, resources, and benefits of making starting a farm a reality. Proposition 3 states, “Inspiration and values are often rooted in idealism,” Proposition 4 holds that “idealistic farmers confront the reality of starting a business through per-
ceived benefits, access to resources, and perceived risks”. The following sections address this facilitation.

4.7. Perceived Benefits

Proposition 5. FG farmers anticipate that the benefits of their work will be meaningful and rewarding.

Proposition 5.1. Meaningful benefits may be focused on themselves or their surroundings.

Proposition 5.2. Rewarding benefits are related to the fruits of their labor in the field or the community.

Farmers anticipated three ways their inspiration, values, and reality combine to make their farming dream real. Perceived benefits were the most discussed among FG farmers. The primary benefits that emerged were meaningful and rewarding work. As noted in propositions 5.1 and 5.2, meaningful and rewarding have different dimensions based on the individual farmer. The distinguishing factor between meaningful and rewarding work is simply the anticipated benefit. Participants identified what positive things they thought they would get from starting their farm. FG farmers could name these thanks to retrospection. Meaningful work has an impact on the surrounding community. Rewarding work refers to the internal satisfaction that FG farmers experience.

First-generation farmers anticipated that their work would be meaningful. “Meaningful” work takes on several definitions. Some FG farmers define meaningful work as positively impacting their community and customers. FG farmers find meaning in their customers, who return each week to tell them how much they enjoyed their food. One Central Florida farmer said of sustainable agriculture, “It feels good to be part of something that could change the food system. It’s fulfilling work”.

“Meaningful” can also mean watching soil getting darker and seeing the organic matter build-up, knowing they are creating something that benefits their physical environment. What farmers define as meaningful builds on the constructs defined earlier. Inspiration, environmental values, and social issues contribute to a farmer’s conception and sense of meaning.

Similarly, rewarding work brought FG farmers a sense of satisfaction. Rewarding work from the field included taking something from seed and seeing it all the way through to a customer’s hands, seeing the first harvest, and eating nutritious and tasty vegetables from the field. FG farmers also found farming rewarding because they enjoyed being outdoors. More often, FG farmers described not being in an office as rewarding and being outdoors as a benefit. FG farmers sought farming because they believed it would bring them meaning and be rewarding. An Arkansas farmer said of satisfaction:

“Farmers are eternal hopers and gamblers, like a slot machine—you’ll have rain for a month, yeah, but when it stops, you’re going to have something so beautiful. Like you hit the jackpot right when you need to”.

4.8. Access to Resources

Proposition 6. FG farmers have access to resources through personal wealth, capital, inherited land, and off-farm income.

FG farmers must have access to capital to start their farms. Since we interviewed operating farms, we only captured the range of responses related to successful enterprises. We cannot make statements about operations that failed to get off the ground or operations that failed. The existing literature base cites a lack of access to financial resources as a primary barrier for new and beginning farmers [60,84,85]. In this study, successful FG farmers accessed capital through three primary venues. First, some FG farmers relied on their wealth. Personal wealth is broad and refers to savings from a previous job, inherited money (different from inherited land), or gifted money. Next, FG farmers accessed land through inheritance. Inherited land primarily refers to “family land” that has been in a family for generations but has not recently been used for agriculture. Finally, many farmers and their families relied on off-farm income. Some farmers maintained two jobs, and other
household members had a job that supplemented the household income. These three forms of resources may serve as a reference to determine who has the opportunity to farm and where.

Consequently, many people are excluded from farming as a for-profit business if they do not have access to capital in these ways. Alternative scenarios do temper this barrier; for example, leasing land. Many FG farmers in this study also used USDA programs for new and beginning farmers to access available resources.

4.9. Perceived Risks

Proposition 7. FG farmers anticipate that they will face financial risks and physical risks. The final construct of our model was perceived risk. FG farmers accounted for anticipated risk in two primary ways: financial and physical. Financial risks were commonly cited as barriers in the existing literature relating to entrepreneurs and start-up businesses [86–88]. Risks associated with finances that FG farmers discussed were primarily not having a market, needing to convince consumers to buy the product, or the crop failing. Naming the market as an anticipated risk indicates that FG farmers might not thoroughly research where they start their farms. It is possible these types of farmers were more ideologically motivated, or the farmer had limited choices about where to farm (e.g., inherited land). Financial risks come with other peripheral risks, too.

With financial risk comes the risk of FG farmers losing their pride. Some FG farmers even cited their stubbornness as a risk factor. Other noneconomic risks were the embarrassment of failing, fear of missing out, second-guessing a decision to quit, filling one’s mind with “what-ifs,” the potential to end up not being good at it, and losing pride. These mental, emotional, and social risks indicate that FG farmers feel they are putting much at stake by taking the plunge. There is increased pressure on FG farmers inherent in their inexperience, amplifying the fallout of potential failure.

FG farmers in our study anticipated they would encounter barriers with farm-related injuries, an aging body, and general health. FG farmers perceived farm injuries as risky because they did not have the training to use farm machinery as multigenerational farmers might have. Many of the FG farmers in this study ran small-scale farming operations. In other words, if they are one of only a few employees, an injury would severely impact their business’s operation.

Interestingly, several FG farmers stated they did not think they faced any risk when starting their farms. Naïve and overconfident, some barreled through the process but would eventually encounter some risks. FG farmers are generally debt-averse, even citing a lack of debt as a motivator to start a farm. This characteristic likely comes into play for farmers who did not perceive any initial risk. These factors and their multiple dimensions contribute to a first-generation farmer’s decision to start a farm.

5. Discussion

5.1. The “Food Movement”

The bigger picture is the “food movement” as a social movement and a so-named revolution in the agricultural sector. FG farmers are a growing minority in the market. The promise of justice that the food movement sells new and beginning farmers motivates them. New and beginning farmers are passionate and feel responsible for upholding environmental and social ideals that are too often out of reach [12,13,44,47,48,89]. The dominant relationship in our model is at the nexus of inspiration and values. FG farmers must negotiate their commitment to the ideals of good food as a social movement and the practical matter of hard work and hardship. This generation and future generations of FG farmers will be battling the dominant industrial agricultural model.

5.2. Environmental Justice

Regardless of the source of inspiration, FG farmers have goals motivated by their environmental values. The literature discusses environmental justice as a matter of equal-
People deserve protection from environmental harm regardless of race or income level [92,93]. We anticipated that environmental disasters caused by agriculture would emerge as decision-making factors among FG farmers. FG farmers acknowledged the pollutants and toxins that agriculture contributes to the environment, but their focus was overwhelmingly on not harming rather than doing good.

FG farmers tend to view environmental values as “not negative outcomes”. This framing effect is a common form of cognitive bias in psychology. Typically, psychologists and political scientists purposely use framing to determine how a participant decides based on morals or political issues [94–98]. Usually, people are biased toward an outcome framed positively (“alive”) versus negatively (“not dead”) [99]. FG farmers’ environmental values influence whether they will pursue a particular goal, i.e., having an environmentally sustainable farm. In this study, the majority of farmers (n = 36) mentioned a negatively framed environmental goal. FG farmers who start farming because they believe the environment is worth protecting and preserving described an agricultural sector that needs improving. The lack of positively framed environmental goals makes us question whether pessimistic motivations for sustainable agriculture will lead to long-lasting, enduring businesses. However, environmental values and related goals are not the sole force behind successful businesses.

5.3. Food Justice

Food justice is a multi-dimensional concept that people engage in for four primary reasons: (1) they believe they have the right to grow and sell food, (2) to nutritious, culturally appropriate, and affordable food, (3) to locally grown food, and (4) to food that was grown with care for the environment and animals [15]. Our literature review revealed that food justice was under-discussed or possibly under-researched as it relates to the values of new and beginning farmers. Our study found that FG farmers continuously addressed dimensions one, three, and four, but dimension two is less clear, particularly in terms of affordability.

A significant negative effect of crop insurance going primarily to commodity crops is that less nutritious foods are more affordable than fresh fruits and vegetables. A higher price for fresh fruits and vegetables means that high-risk, low-income populations are less likely to be able to afford them, and a farmer’s goal of improving physical health misses a considerable target population [100–103]. FG farmers mostly view the fairness of food prices as what the market will bear. Farming was not a high-profit business for any FG farmers we interviewed. The combination of charging a premium for locally produced organic food with a moderate income makes affordable food for low-income people seem unattainable. Some FG farmers (n = 4) aim to make their produce affordable to all income levels, and others (n = 5) donate extra produce to food banks or other distributors.

Starting a farm to produce fair food for all and make ends meet creates a paradoxical situation for FG farmers. Critics of the food movement cite racism and classism as structural inequalities that exclude people of color and low-income people [104–107]. Other inequalities, such as access to crop insurance, prevent farmers from lowering their prices. Idealistic farmers must compromise by adhering to the integrity of providing an affordable product at their own cost or sacrifice selling an inexpensive product in favor of financial security. This conflict in values challenges a farmer’s commitment. However, as farming is a business, not all farmers have conflicting values when running their operations.

5.4. Farming as a Business

To an outsider, farming is not easy, and it is not lucrative. However, an emerging phenomenon is the market farmer model, which posits that people can net six-figure incomes with the right circumstances. None of the farmers we interviewed were making that kind of net income. If market farming pioneers such as Fortier and Stone are selling the idea that farming can be lucrative, that could be the push that potential farmers need to start their farms. As described in our model, inspiration does not occur in isolation. Inspiration from farmers such as Fortier and Stone feed environmental, social, and business
values, and vice versa. These ideas are not well-supported in the literature and merit further investigation.

FG farmers motivated by Fortier and Stone did not consider finances a primary risk. The market farmer movement encourages low-stakes investments to achieve high net income. Framing farming as an entrepreneurial endeavor shifts motivations from providing fresh and nutritious food to local communities to growing high-value cash crops intensively for short periods to take the rest of the year off work. Other values like environmental sustainability and healthy communities may take a back seat to financial motivations. As evidenced in the previous section, fewer farmers focus on food affordability because they must earn an income. We may see unintended consequences of seeing farming as a business venture instead of a way to feed people. Ultimately, the current generation of FG farmers has balanced values and goals encompassing the environment, society, and business.

5.5. Making Dreams Reality

The role of “reality” is individually concrete yet theoretically abstract. People share sources of inspiration and have values in common, but “reality” is individual. This facilitates a farmer’s movement from feeling inspired to weighing the pros and cons of their potential decision. Perceived benefits and barriers emerge from a theoretical reality to make it more concrete. Farmers name precisely what they are anticipating. Researchers or policymakers who want to recruit newer and beginning or FG farmers should focus on these relationships to better understand the decision to start a farm and thus better aid this emerging generation of farms.

The FG farmers in this study have several traits in common. They are tenacious, driven, hard workers and do not shy from unpredictability. They aim to do work they are passionate about, are good at, and enjoy. These qualities may differ among groups of farmers. Certain personalities may be more suited to starting a farm than others. As stated, not all farmers who find inspiration succeed in their ventures. Comparing successful and unsuccessful farm businesses could elucidate personality differences that play a role in success versus failure.

5.6. Gender and Race

Gender did not emerge as a perceived risk among women FG farmers, even though it is pervasive throughout the literature. Gender appeared in other ways. Men are more likely to describe perceived benefits as rewarding. Women are more likely to ascribe meaningful benefits using terms relating to caring and pleasing others. Men describe rewarding benefits as a day’s work well done, falling asleep physically exhausted from demanding work, or seeing a freshly weeded bed. These gender differences emerge in the literature about women farmers. Women feel like they hold an equal position to men on-farm, more so than in previous decades, but still endure discrimination in a male-dominated profession, often being relegated to “women’s work” [57].

Only six farmers of color participated in this research, and two discussed racial discrimination. The majority-white sample reflects other studies that name affluent college towns as areas with white farmer populations [10–12,35,44,45,48]. The pervasive whiteness of new and beginning organic farmers relegates farmers of color to “outliers” in this research. If there are genuinely few FG farmers of color, alternative explanations could be that (1) systemic and institutional racism prevents participation in this market sector or (2) there is a sampling bias in the body of the literature. Both are viable explanations. We would argue that farmers of color are, in part, systematically excluded from participating in start-up businesses due to the historical denial of access to resources. Additionally, people of color are a statistical racial minority in the US, and researchers should plan to sample accordingly to capture the full range of responses.
6. Conclusions

First-generation farmers may seem idealistic and spurned on by the food movement, but in the end, they are part of a capitalist system that discourages them from achieving social goals in favor of financial ones. Ideals soon give way to the need to make money. It is hard to target food-insecure groups because they do not shop at farmers’ markets, and that is where these direct-to-consumer farmers are. They may sell at a market that doubles the Supplemental Nutrition Assistance Program (SNAP) dollars, but this gives a false sense of pride, as they still miss a critical at-risk population. Even farmers making a modest income might use their profits to retain their workers and keep another person in agriculture.

First-generation farmers will shape the future and direction of US food systems. The percentage of new and beginning farmers is increasing from census to census. As older, multigenerational farmers age out of agriculture, we need to support this new generation of farmers. This research showed that first-generation farmers would find inspiration and develop values rooted in food justice. Inspiration from model farmers and farm business educators drives first-generation farmers to pursue their dream—whether it be providing food for a community or running a successful business. To support community food systems and farm entrepreneurs, identifying these sources of inspiration will help researchers and service providers target newer and beginning farmers to support a vibrant food system, including a burgeoning market opportunity, developing strong communities around food, and building grassroots solutions.

Our model does not explain all pathways to deciding to start a farm. We developed a model based on the responses of FG farmers who were overall small in scale, focused on direct-to-consumer, young, and white. The case study research design is rigorous in explanatory power but suffers in generalizations [62]. We can only generalize these results and conclusions to the confines of the population our model encompassed. There are invariably different pathways among diverse racial groups, gender identities, geographical locations, and socioeconomic environments. Our model helps explain why FG farmers in the Southeast started a farm, given they had no background in agriculture. Departing from multigenerational family farming, FG farmers face an uphill battle.

In closing, we highlight the need for better solutions for farmers. The recent COVID-19 pandemic has shown weaknesses in the US food system that it will try to recover from for years to come. Born from this crisis is the opportunity for innovation, and farmers are at its center. Farmers will always be “essential,” and they deserve the attention that responsibility comes with. Consumers, formerly blissfully ignorant of where their food comes from, are now confronted with the realities of a global food supply chain that is not as resilient as we would have liked. Yet we see small farmers emerging resilient, though with a small effect to be sure. A food-secure future needs a solution—now.

Supplementary Materials: The following supporting information can be downloaded at: https://www.mdpi.com/article/10.3390/land12061169/s1, Table S1: Qualitative data analysis first and second level codes; Table S2: Educational-related sources of inspiration; Table S3: Farmer-related sources of inspiration.

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