Personal Planning and Business Basics



Who Becomes an Aquaponic Farmer

- Gardeners and homesteaders
- Farmers
- Students, recent grads
- Career changers
- Side Hustle
- Retirees
- Teachers, Youth Leaders
- Community Outreach, Faith based folks

Aquaponics as a Business

- A hobby system and backyard aquaponics are very different than aquaponic farming
- Start small to determine if you are really a hobby grower or aquaponic business person before investing a lot of time and money
- Selling your food means you need to maintain professional industry standards for food safety
- A business requires interactions with the bank, insurance, customers, other businesses and the government
- Don't believe everything on the internet!

Jobs in Aquaponics

- Aquaponic farmer and business owner
- Work at an aquaponic/hydroponic farm
- Community leader, mentor, intern coordinator
- School teacher, professor, educator, student
- Faith leader, missionary
- Food safety specialist, inspector
- Gardener, grower, nurseryman, landscaper, horticulturist
- Marketing, sales and distribution, farmers market
- Hobbyist and social media person

What Is Your WHY?

- What are your goals and objectives?
- Who are you planning to serve?
- What problems are you solving?
- What outcome are you trying to accomplish?
 - Financial profit, social wellbeing, environmental stewardship, personal fulfillment, educate others
- How will your business do these things?

Business Development Services

- USDA, EPA and Farm Service Agencies (FSA)
- Small Business Development Center (SBDC)
- Small Business Administration (SBA)
- Veterans Small Business Centers
- State, City, and Special District offices
- Universities, Colleges and Extension offices
- Banks and other financial institutions
- Other services available for beginning farmer, women, underserved populations and veterans

Personal Plan

- What is your vision, values and goals?
- What is driving you to start a business?
- What are your needs and wants?
- What are your challenges, how will you overcome them?
- What are your strengths and weaknesses?
- What do you fear? What causes you stress?
- How do you relax and sustain yourself?
- How will you support your lifestyle for 3-5 years?
- How do you plan to retire?

Successful Farmers Are...

- Money wise start small, grow responsibly
- Innovative diversify revenues, continuously improve
- Resourceful decrease costs, increases profits
- Manage Time and People focus on priorities
- Work Their Strengths do what you do best, and get other people to help you with the rest
- Pay Attention to Details you are mother and father nature, business owner and everything else

Adapted from Six Traits of Successful Farmers, Capital Press, Carol R Dumas

Aquaponics as a Business

- Construction project manager, zoning, building, General contractor
- Greenhouse, controlled environment and lighting specialist
- Business owner, operator, HR director, risk manager
- Finance and bookkeeping, buyer, cash manager
- Grant writer, responder, expert in the field
- Website, email, social media, phone, tech, etc
- Plant grower, pest manager, nutrient sleuth, seeder, harvester
- Fish whisperer, transporter, feeder, gut and fileter
- Water quality expert, bacteria farmer, ph adjuster
- Marketer and sales, promotions, invoicer, collector
- Educator, tour director, sharer of your special farm space, chef
- Maintenance, cleaning, food safety, inspection assistance
- Performer of lots and lots of random tasks

Family, Friends and Partners

- Understand each other's personal plans
- Establish roles and responsibilities
- Build on each other's strengths
- Work to reduce weaknesses
- Remember people handle stress differently
- Traditionally, farming has been run by families
- Plan your farm with your partner(s)
- Consider the "exit plan" for each person

Legacy Planning

- What happens if you or your partner leave the business?
- What happens if someone is sick, injured or passes away?
- Leaving a legacy or inheritance
- What to do with your property
- Selling your system or your farm
- What does Retirement look like
- What are the financial aspects of future operation

Sustainable Business Triple Bottom Line

People

Personal Reward Creating jobs Serving people Building a tribe Educating others Creating change

"You can't save the environment and feed people healthy food if you can't stay in business."

Profit

Planet

Financing startup Sustaining operations Growing the business Making a living wage Creating a model for others

Green business

Growing food

Keeping it local

Produce no waste

Reduce consumption

Business Planning Basics – Why Plan?

- Forces you to think about the details
- Can be used as an operational guide
- 3. Essential to get financing, grants, plan the project
- 4. Provides a GO/NO GO decision point



It's better to fail on paper

Components of a Business Plan

- Executive Summary
- Organization and Management Company Description, Background, Key People
- Marketing Plan product, price, people, promotion, placement, packaging, competition
- Operating/Production Plan How to run the business
- Financial Plan Startup and operating capital, P&L projections, cash flow
- Supporting Documentation

Business Types

Non Profit

- Organized to address specific need – social, education, health
- Exempt from some (not all) taxes
- Raises funds thru donors, grants, fundraising, events, dues
- Can generate revenues through sales of good and services
- Governed by a board
- Can be costly and time consuming to receive 501c3 status
- High transparency with accounting and activities
- Allows volunteers, interns and in kind service or product donations

For Profit

- Organized to sell products and services for a profit
- Pays necessary taxes
- Raises funds through personal means, banks, grants, stocks
- Managed by owners or shareholders, may have a board
- Quick to establish
- Private accounting and activities
- Can align closely with a non-profit if appropriate
- Interns allowed with exchange of value, volunteers discouraged

Legal Structure

Tax filings and implications, personal liability, asset ownership, investor and funding opportunities, business development

- Sole proprietorship
- Partnership
- Limited Liability Company (LLC)
- Incorporation S-Corp
- 501(c)3 Non Profit, charitable organization
- Trademark name, Doing Business As
- Certified B Corp (Benefit Corporation)

Get a professional to help determine what works best for you

Insurance

- Property the land your farm is located, home owner's insurance may/may not cover greenhouse or business
- Structure(s) buildings old and new, additions or modifications to buildings, update as needed
- Umbrella can be used to cover other circumstances
- General liability \$2 million suggested
- Crop insurance available from Risk Management Agency
- Product Liability food borne illness, recall
- Farmers market insurance tents, umbrellas
- Additionally insured other people involved

Insurance, continued

- Auto necessary if you have delivery vehicle
- Equipment aquaponic components, tractor, cooler, etc.
- Worker's comp not necessary for yourself or some family members, essential if you have any employees
- Personal health insurance cover you for overall medical needs, may be either a business expense, or a personal expense
- Life insurance often necessary if you are taking on a business loan
- Be truthful with your insurance agent



Business Startup and Operations

Business Startup Activities

	Who	Start date	End date	Timeframe	Budget/Cost
Personal Plan*					
Business Startup					
Business planning*					
Marketing plan*					
Financial planning*					
Research local, state regulatory compliance*					
Name your business					
File business entity					
Get federal tax ID					
Setup bank account					
Setup accounting					
Secure funding*					
Site selection*					
Water analysis, quality, availability, tap size*					
Feasibility*					
System design*					

Reasons Farms Have Failed

And many

- Death or disability of owner
- Natural disasters
- Marital problems
- Speculation
- Inadequate information
- Insufficient monitoring
- Overdependence on collateral
- Improper loan structuring
- Lack of effective marketing
- Poor production management

- Poor money or time management
- Failure to control living expenses
- Emphasis on tax minimization
- Attempting to support too many people
- Managing the family in business
- Lack of management ability
- Incapable workforce

Adapted from Causes of Farm and Ranch Failure, Texas A&M University