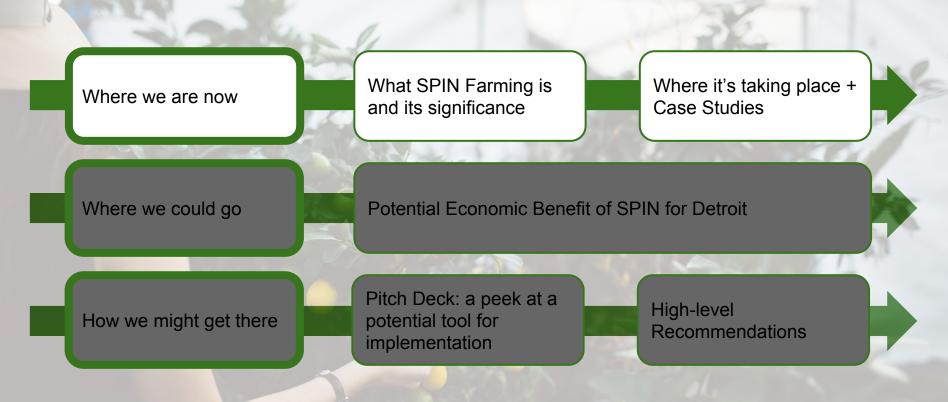


What SPIN Farming is Where it's taking place + Where we are now and its significance **Case Studies** Where we could go Potential Economic Benefit of SPIN for Detroit Pitch Deck: a peek at a High-level How we might get there potential tool for Recommendations implementation



What SPIN farming is and why it's significant

Overview

- SPIN stands for Small Plot INtensive farming
- Developed by a Canadian farmer named Wally Satzewich
- Designed for those with little to no agricultural experience
- Can be combined with different methods of growing

Why urban?



High value vs. low value crops

Less labor

Backyard resources

Elimination of barriers to entry



Owning land

Capital investments

Education

Sample Crop Profile from SPIN



SPIN-Farming 2.0 Crop Profile

BABY HEAD LETTUCE, transplants

Baby head lettuce can be classed as a very-high value SPIN crop under good marketing conditions. It is easier to achieve targeted revenue with baby head lettuce than with single large head production at same price tier. This crop also has great relay potential. Depending on the length of the growing season, they can be included in either 2 or 3 member relays to boost revenue of a segment.

Days to harvest: 35 to 40 days after setting out transplants

DESIGN

Walkway: Standard

Number of beds per segment: 13 beds

PLANTING

In-bed spacing: Three row beds, 12" apart. 6" between plants in-row. Three seeds per

cell, thinned to one plant.

Number of plants per row: 50 plants Number of plants per bed: 150 plants Number of plants per segment: 1,950 plants Number of rows per segment: 39 rows

YIELD

Yield per row: 50 head Yield per bed: 150 head Yield per segment: 1,950 head

SEEDING

Average seed count per oz: 24,000 seeds Seed required per row: 150 seeds Seed required per bed: 450 seeds per bed Seed required per segment: 5,850 seeds per bed

COST

Typical cost per one oz. quantities: \$10 - \$40, or more, depending on variety

Cost to seed a bed: \$1 range Cost to seed a segment: \$10 range

REVENUE TARGETING

Value status: Very-high value crop

Where SPIN Farming is taking place now



Usually at



Case Study 1: Voss Organics, Madison, WI



Voss Organics: sample flyer



Looking for land in the neighborhood to farm - Yep, farm! Voss Organics at 1622 Mayfield Lane is looking for more land to expand our urban farm production to feed people in the neighborhood from the neighborhood.

Benefits to you:

Less lawn to mow

Attractive edible landscaping

Compensation: in cash or vegetables - let's talk!

Bragging rights to friends: Look at "my" beautiful organic garden!

Be an essential part of the urban farming movement

What we are looking for:

Large-ish (>1000 sq. ft.) plots in front or back yard with good (8 hours) sun exposure to bring into production in Aprilr

Yards that have NOT had chemical weed killer or fertilizer applied since March 2009

Access to water for drip irrigation (very little water needed)

Our commitment to you:

We will work out a schedule for planting, weeding, watering, and harvesting that is most convenient and least disruptive to your lifestyle.

We will be courteous and communicative.

We will maintain the garden in "showcase" condition - healthy, weeded, mulched, vibrant,

When we are done with a bed, we will plant a new cash crop or cover crop (a crop that enriches the soil between cash crops ex. oats and peas).

What I do with the vegetables:

I am an urban farmer. I sell the produce at the Dane County Farmer's Market on the Square, the Northside Farmer's Market, the Willy Street Coop, and Madison's finest restaurants.

We also make a commitment to donate a portion of the harvest to the Dane County Food Pantry.

Oh, and my family and the neighbors (that's you) eat it!

Interested? Contact Mark at vossorganics@gmail.com 556.8143

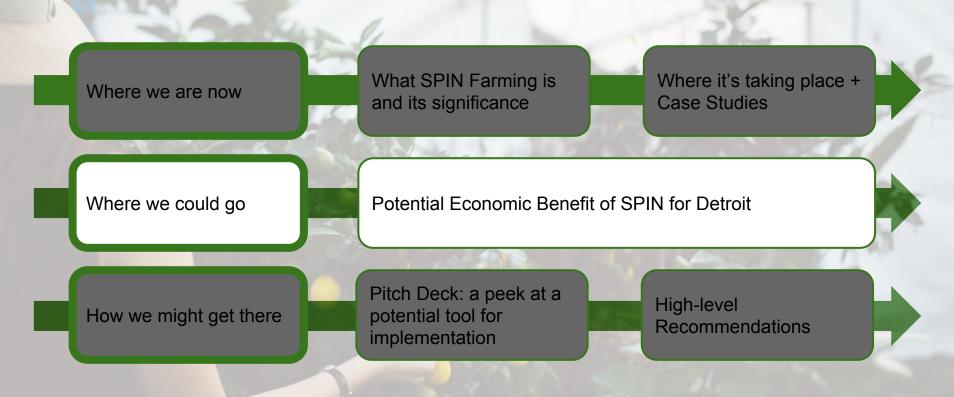
Voss
Organics:
going to
market



Case Study 2: Penrose Market Garden, Detroit, MI







Potential Economic Benefit of SPIN for Detroit

Overview

10 farms with 120k in sales per year will have a total annual direct and indirect economic impact \$2.466 million and support 46 full time positions.

Indirect impact tracks additional rounds of spending induced by businesses and their employees as a result of this direct farming activity.

Using U.S. Department of Commerce's RIMS II multipliers, the multiplier for indirect economic activity resulting from direct farming activity is 1.055. Applying this to \$1.2M from direct farming activity of 10 farms gives us \$1.266M.

Annual Economic Impact of	
Ten Farms in Philadelphia	
(In 2007 Dollars)	
Direct Economic Impact	
Individual Farm Economic Impact	\$120,000
Total Direct Economic Impact (Ten Farms)	\$1,200,000
Indirect Economic Impact	
Indirect Impact of an Individual Farm	\$126,600
Total Indirect Economic Impact (Ten Farms)	\$1,266,000
Total Economic Impact	\$2,466,000

Potential Economic Benefit (contd)

Generated by Ten Farms in Phil	adelphia			
	Total Paid Within Philadelphia Region	Total Paid Within Philadelphia	Total Paid To Philadelphia Residents	Total Paid Within Philadelphia To Non-Philadelphia Residents
Total Direct Wages & Salaries	\$170,000	\$170,000	\$128,000	\$42,00
Total Indirect Wages & Salaries	\$466,000	\$350,000	\$262,000	\$88,00
Total Wages & Salaries	\$636,000	\$520,000	\$390,000	\$130,00
Wage Taxes Paid To City of Philadelphia		\$21,500	\$16,600	\$4,90
Income Taxes Paid To State of Pennsylvania	\$19,500			

Annual Business Tax & Real Estate Tax Be	nefits	
Generated by Ten Farms in Philadelphia		
	Within Region	Within Philadelphi
For-Profit Business Activity		
For-Profit Business Activity Due To Farms	\$1,200,000	\$1,200,000
Indirect For-Profit Business Activity	\$1,095,000	\$657,000
Total For-Profit Business Activity	\$2,295,000	\$1,857,000
Annual Business Privilege Taxes Paid		\$41,30
Annual Net Profits Taxes Paid		\$3,500
Annual Real Estate Taxes Paid On Business Property		\$12,400
Annual Use & Occupancy Taxes Paid On Business Property		\$6,90
State Corporate and Other Business Tax Paid	\$12,000	

n Farms in Philadelphia 07 Dollars)			
e & Salary Impacts	Within Region	Within Philadelphia	Philadelphia Residents
Payrolls	\$170,000	\$170,000	\$128,000
ect Wage & Salary Impacts	\$466,000	\$350,000	\$262,000

\$636,000

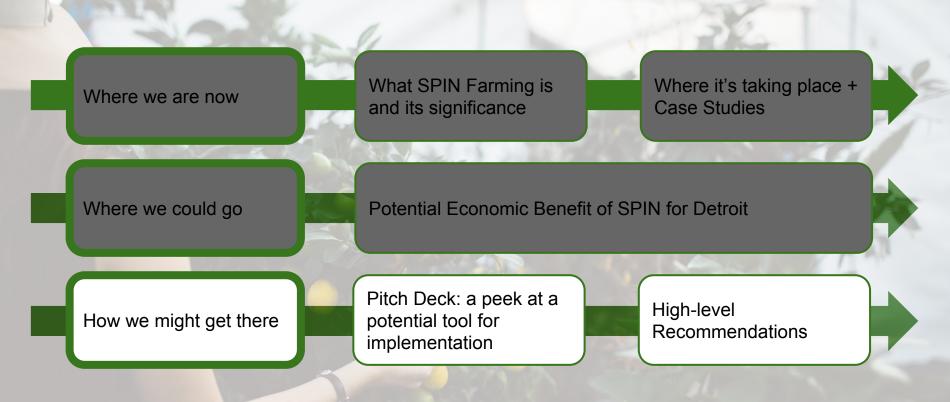
\$520,000

\$390,000

Annual Wage & Salary Impacts of

Total Wage & Salary Impacts

Generated by Ten Farms in Philadelphia				
	Total	Total Paid To City of Philadelphia	Total Paid To State of Pennsylvania	
Direct Economic Activity				
Sales Taxes On Farm Purchases	\$15,800	\$2,300	\$13,500	
Gasoline Tax	\$4,500		\$4,500	
Total Sales Taxes On Direct Economic Activity	\$20,300	\$2,300	\$18,000	
Indirect Economic Activity				
Sales Tax On Taxable Indirect Economic Activity	\$6,270	\$570	\$5,700	
Liquor Tax On Indirect Economic Activity	\$120	\$120		
Hotel Tax	\$1,110	\$1,110		
Total Sales Taxes On Indirect Economic Activity	\$7,500	\$1,800	\$5,700	
Total Sales Taxes	\$27,800	\$4,100	\$23,700	



Pitch Deck: a potential tool to support implementation



Recommendations for SPIN to increase implementation in Detroit

Why Detroit

Need for minimizing disparity in access to nutrition



Relatively low cost of land in Detroit



Entrepreneurial spirit of the city



Recommendations for SPIN to increase implementation in Detroit

How

Work with local SPIN farmers as bridges and advocates



Work with Community Partners as potential channels for communication





Recommendations for SPIN to increase implementation in Detroit

What

Increased awareness of SPIN farming via:

- SPIN-grown food sold at local markets
- SPIN farm tours



Increased use of SPIN farming via:

- Pitch deck as an introduction
- Teaching local nonprofits (potentially including schools, community gardens, vocational training programs) and individuals with entrepreneurial spirit



References

- Borghi, Linda (2011, April 2). Get Started With Spin Farming. Retrieved from http://smallfarms.cornell.edu/2011/04/02/get-started-with-spin-farming/
- Christensen, R. (2016). Telephone Interview.
- Detroit Economic Growth Corporation (2016). DETROIT ECONOMIC GROWTH CORPORATION. Retrieved from http://www.degc.org/
- Eastern Market (2016). Eastern Market. Retrieved from https://www.easternmarket.com/
- Hagenbuch, B. (2016). Telephone Interview.
- Hagenbuch, B. (2016). PMG Market Goals
- Institute for Innovations in Local Farming (2007). Farming in Philadelphia: Feasibility Analysis and Next Steps. Retrieved from http://www.urbantilth.org/wp-content/uploads/2008/09/urban-farm-business-incubator.pdf
- Lacy, K. (2015). Introduction to the Symposium: Lessons from Detroit. *City & Community*, *14*(2), 102-105.
- Ledoux, T. F., & Vojnovic, I. (2013). Going outside the neighborhood: The shopping patterns and adaptations of disadvantaged consumers living in the lower eastside neighborhoods of Detroit, Michigan. Health & place, 19, 1-14.
- SPIN Farming LLC (2012). SPIN FARMING. Retrieved from http://www.spinfarming.com/buy/
- The Noun Project. (2016). *The Noun Project*. Retrieved from https://thenounproject.com/
- Voss, M. (2016, November 22). Telephone interview.
- Voss, M. (2016). Voss Organics [Google Slides]. Retrieved from https://docs.google.com/presentation/d/1jt1Lv_b-65xMPcjU8X8d2O2allNR1vmzlisQWEt1TRA/edit#slide=id.p4

