



Refugees and Urban Agriculture:

A Case Study of Food, Poverty and Self-Sufficiency in the United States

August 2016

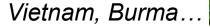
IRC's Refugee Resettlement

Somalia, Congo...

Iraq, Syria...









Welcome to America!





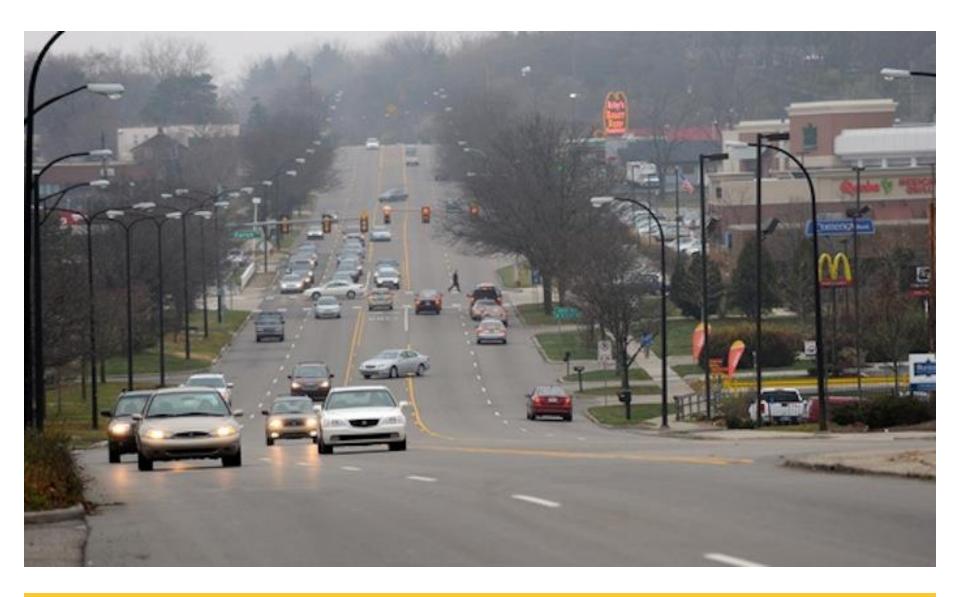




1 in 5 children in the U.S. worry about when they'll have their next meal.

14% of U.S. households are food insecure.









Yet, 31% of available food supply in the U.S. is uneaten.















Community Gardens

Two community gardens = 3 acres

146 growing plots (600 sq. ft. each) =

64,000+ pounds of high-quality fruits and vegetables per year!



































Improved Health Outcomes

1. Increase in vegetable consumption

- Better taste and flavor (TOP response)
- Knowing it is healthier, free of chemicals
- More fresh, lasts longer at home

2. Physical health improvements

- "I have more energy now that I eat healthier"
- "No more bulging stomach"
- "When I am home, my body hurts. Not when I am working in the garden."
- Less diabetes medication



Emotional and Social Health





Saving Money

Gardeners save about \$80 a month in vegetable shopping expenses.











Farming Micro-Enterprises







"You do the growing, I'll do the talking..."







Neighborhood Farmers' Markets

\$75-\$150 per farmers' market day = ~\$400/month in household income

Helping to make ends meet

Avg. income required: \$1200-1500/month





Leveraging Public Dollars

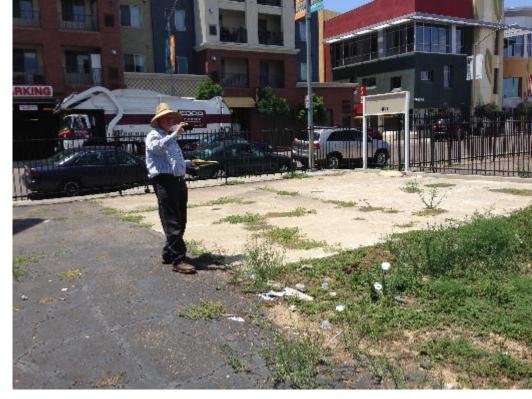
\$29,636 FreshFund matches(2014)

leveraged
 another \$30K in
 Calfresh, WIC and
 SSI dollars





From ugly, dirty, vacant lots....





...a small green oasis!









But...







Fat, Protein, Calories, and Land

Breakdown of food consumption in the US in 2011





Livable Income

Farming Profit and Loss Statement (P/L)				1 . 14	建 炉。
Name of Farm/Farmer:	Bahati Mamas		No. of the last of		
Actual Time Period:	January through December 2014				S. CHARLES
Land in Cultivation:	Pauma: 2.5 acres	New Roots: 1/12 acres or 3,600 sqft (6 plots * 600 sqft/plot)	HER THE STATE OF T		
Year Started Farming in US:	2009 at Pauma, 2008 at New Roots				A STATE OF THE STA
·				A STATE OF THE STA	
		cost breakdown		Carrie De Constitution of the Constitution of	
Costs	Lease	Pauma (\$100/month/acre X 2.5 acres X 12 monts)		The second second	The second second
		New Roots (.25 acres or # of square feet)			The second second
	Business insurance Fees and Permits	estimated			
	Water	CPC (\$150), SD business license fee (\$100),		ALC: NAME OF TAXABLE PARTY.	
	vvalter	Annual Pauma water bill		Maria Company of the Company	
	Seeds/Transplants	New Roots (\$80 per participant annual)	\$ 100,00	\$ 900.00	\$ 1,000.00
	Irrigation supplies		\$ 400.00	\$ 200.00	\$ 600.00
	Soil amendment	drip tape, lay flat, pipe fixing compost, ferblizer	\$ 400.00	\$ 2,697.00	\$ 2,697.00
	Pest Management	compost, remitzer fencing and squirrel traps		\$ 300.00	\$ 300.00
	Equipment purchase & repair	renangana squirrei traps tractor driver, rental, farm equipment, hand tools		\$ 2,500.00	\$ 2,500.00
	Sales supplies	boxes, farmers' market canopy		\$ 500.00	\$ 500.00
	Auto insurance	boxes, tarmers market canopy	\$ 1,000,00	\$ 500.00	\$ 1,000.00
	Mileage (gas & repairs)	3 trips per week to Pauma X 50 weeks/year X \$40/trip	\$ 6,000.00		\$ 6,000.00
	Post-Harvest Equipment	wash station rental	Ψ 0,000.00	\$ 200.00	\$ 200.00
	Took Harvook Equipment	wash station rental	\$ 13,830.00	\$ 7,797.00	250.00
			Ψ 10,000.00		Costs \$ 21,147.00
				% of IRC business si	bsidy 37%
			Total potential sales	Handling Fees	Take Home
Sales	Farmers' Market	2 farmers' markets	\$ 6,000.00	\$ 525.00	\$ 5,475.00
	Direct Sales	Temecula restaurant and CSA	\$ 6,000.00	\$ -	\$ 6,000.00
	IRC Food Hub	20% fee to IRC / \$2100 projected a month based on \$14,000 from Jan-May 2014	\$ 30,240.00	\$ 5,040.00	\$ 25,200.00
	INC 1 Oct 11db	2011 to to the registro projected a month based on 914,000 from durinary 2014	\$ 50,2-10.00		nings \$ 36,675.00
				Total Ed	Tanigo & 60,076.00
					Profit \$ 15,528.00
				Yield Pe	Acre \$ 13,336.36
LABOR					
Location	Pauma & IRC Food Hub (Thurs)	Pauma & CH market (Sat)	Pt Loma market (Sun)	Direct Sales (Mon)	
Farmers on Site and at Market	2.5	e	rt Edita market (Sun)	2.5	
Driver hours	4	4	2	4	14
Farmer hours (# of farmers X 4-hr work day)	10	24	4	10	48
total paid hours per day	14	28	6	14	02
total hours in 1 year (48 weeks)	672	1344	288	672	2976
				Annual Total	
				Hour	M
				/ Hour	y
					A O C O
				Hour Wag	e \$8.00
				-149	Ψ5.50



A hundred, little silver bullets...



Food for Thought

- Cities can create community-friendly policies to increase short-term and long-term land access for urban agriculture
- 2. Pass a living wage ordinance
- Sensible federal, state and local polices that strengthen local agriculture, especially specialty crops



Thank you!

Anchi Mei Senior Program Manager Food Security and Community Health Department

International Rescue Committee (IRC) in San Diego

anchi.mei@rescue.org



