

Contents

Acknowledgments	xi
Foreword, by Andrew Jones	xiii
Introduction	1
1. Food = Energy + Nutrients	3
The Green Revolution	7
The Failure of the Green Revolution	9
2. Land Degradation	11
3. Water Degradation	15
4. Eating Fossil Fuels	19
US Consumption	22
Food Miles	24
5. The End of the Oil Age	29
The Natural Gas Cliff	35
6. The Collapse of Agriculture	39
Population and Sustainability	40
The Example of North Korea	42
Energy Crisis in the DPRK	43
The Collapse of Agriculture in the DPRK	44
Fertilizer	45
Diesel Fuel	46
Irrigation	47
Home Energy Usage	48
Impacts on Health and Society	49
A Model for Disaster	50

7. The Next “Green Revolution”:	
Cuba’s Agricultural Miracle	53
A Short History	54
Crisis	56
The Cuban Miracle	57
Basic Units of Cooperative Production (UBPCs)	58
Private Farming	60
Urban Agriculture	60
Agricultural Markets	62
Results	62
Cuba’s Example	64
8. Building a Sustainable Agriculture	67
Food Security	67
Sustainable Agriculture	68
Urban Agriculture	71
Farmers Markets and CSAs	73
9. Twelve Fun Activities for Activists	75
Conclusion	83
Resource Guide	87
Localized Agriculture	87
Transitioning	87
Community Gardening/Urban Gardening	89
Organic Agriculture	91
Organic and Heirloom Seed	92
Permaculture	95
Ecovillages	97
Sustainable Agriculture	98
Books	99
Notes	103
Index	119
About the Author	127