

# GARDEN CLINIC

## Arizona Gilbert Higley Stake

Taught By: John Chapman, Ted Hallett & Robert DePriest



**The United States of America system of self government is the foundation for our high standard of living and agriculture is the major corner stone from which everything else is aligned.**

**The land-grant university  
concept is a uniquely  
American idea.**

**Morrill Act of 1862  
established the Land  
Grant University system.**



**Now 1 farmer grows food  
for more than 100 others,  
leaving them free for  
other professions.**

**Land grant  
University  
plus the  
industrial  
revolution  
along with  
the internal  
combustion  
engine has  
rocketed us  
from THIS...**

















**Interrupt the Petroleum  
pipeline and we lose the  
Food Chain.**



**Food Insurance is in  
home storage and  
production.**

## ***Heed the watchman in the tower who sees the enemy far off – The Prophets***

... the watchman upon the tower would have seen the enemy while he was yet afar off; and then ye could have made ready... **D&C 101:54**

**President Hinckley:** “The economy is a fragile thing. There is a portent of stormy weather ahead to which we had better give heed.” **(CR Oct. 1998)**

**President Romney:** “We will see the day when we will live on what we produce.” **(CR, April 1975)**

**President Kimball:** “We encourage families to have on hand this year’s supply. **We encourage you to grow all the food that you feasibly can on you own property.** Berry bushes, grapevines, fruit trees—plant them if you climate is right for their growth. Grow vegetables and eat them from you own yard. **Some argue that they can buy their potatoes and other food cheaper than they can grow them, but that is not the point is it? There “will” come a time when food will not be available at any price then what will [you] do?** Even those residing in apartments or condominiums can generally grow a little food in pots and planters. Study the best methods of providing your own foods. Make your garden as neat and attractive as well as productive. **If there are children in your home, involve them in the process with assigned responsibilities.** *(CR Apr, 1976)*

**President Benson:** “The revelation to produce and store food may be as essential to our temporal welfare today as boarding the ark was to the people in the days of Noah.” **(CR Oct. 1980)**

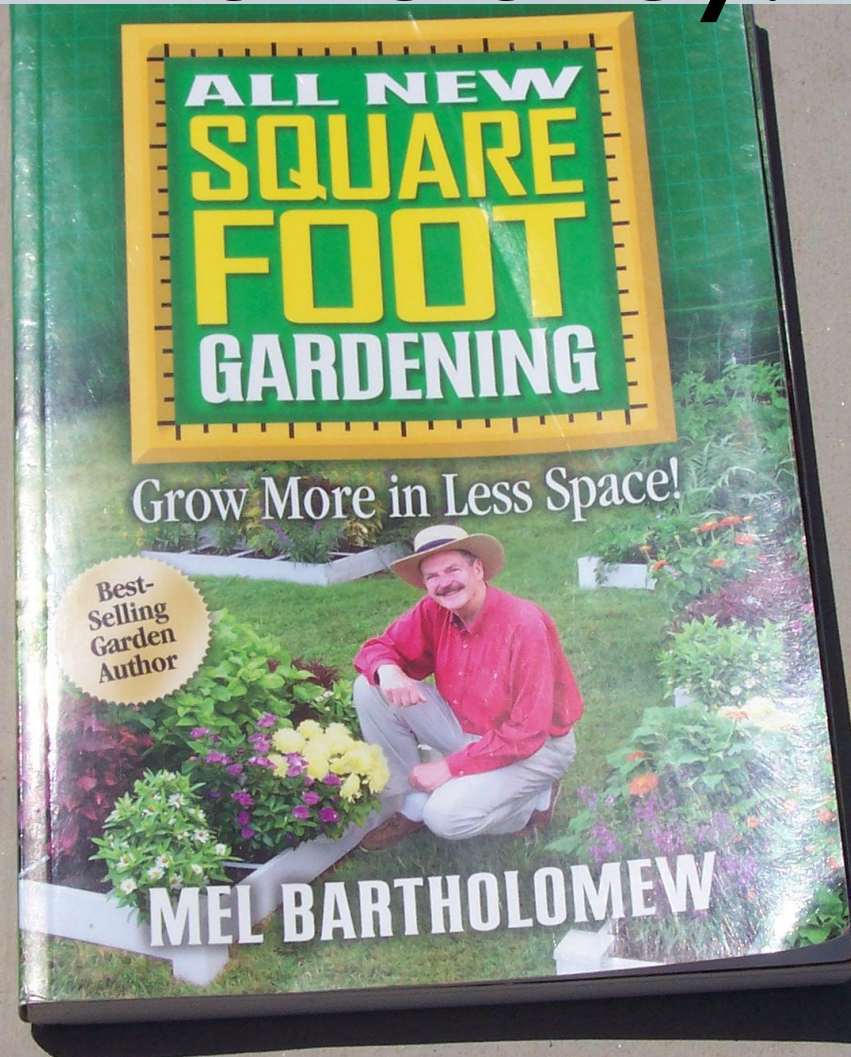
**Learn to eat from our own property and only supplement with Grocery Store purchases. Experience from practice makes us more efficient.**

**“Animals prepare for the winter. Not out of fear, but because they know it’s coming. “**

**URGENCY!! Let’s tighten our learning curve.**

**Subsistence Living vs. Self  
Sufficiency = Growing enough  
for trade and barter**

**Intensive high density  
gardening is the KEY to this  
efficiency.**





# 1. TOOLS NEEDED



## 2. LOCATION





# 3. BOXES AND DESIGN





# 4. AISLES





# 5. SOIL





# 6. GRIDS

## Absolutely Essential!








**You must make a 12" grid from something you can see for boundaries.**

# 7. Plant Only What You Will Eat!

## All That in One Box

How much salad could you pick every day from this little garden? \*  
*More than you can imagine.* So as an illustration, I've listed below examples of what you can harvest from just one 4 × 4 box in one spring season:

-  ■ one head of cabbage
-  ■ one head of broccoli
-  ■ one head of cauliflower
-  ■ four heads of romaine lettuce
-  ■ four heads of red lettuce
-  ■ four heads leaf lettuce, then sixteen scallions
-  ■ four heads of salad lettuce
-  ■ five pounds sugar peas
-  ■ eight bunches of Swiss chard
-  ■ nine bunches of spinach, then nine turnips
-  ■ sixteen small, ball carrots
-  ■ sixteen beets, plus four bunches beet greens
-  ■ sixteen long carrots
-  ■ thirty two radishes

**Start Small**



8.

## PLANT SPACING

### Extra Large

1 Plant

Placed 12 inches apart:

Broccoli

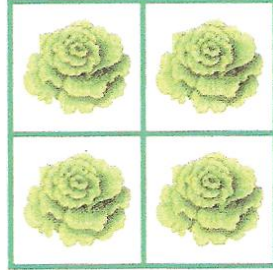


### Large

4 Plants

Placed 6 inches apart:

Leaf Lettuce

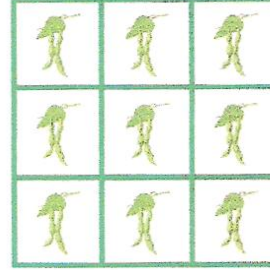


### Medium

9 Plants

Placed 4 inches apart:

Bush Bean

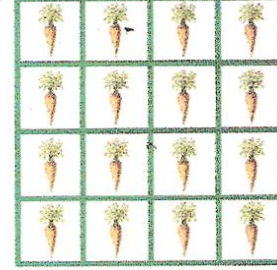


### Small

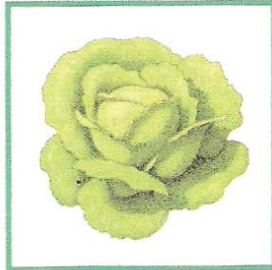
16 Plants

Placed 3 inches apart:

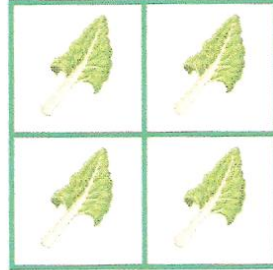
Carrot



Cabbage



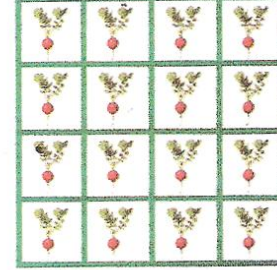
Swiss Chard



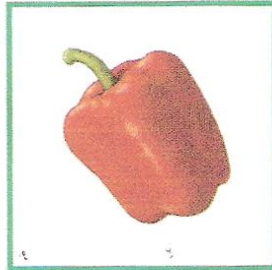
Spinach



Radish



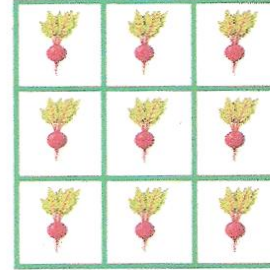
Pepper



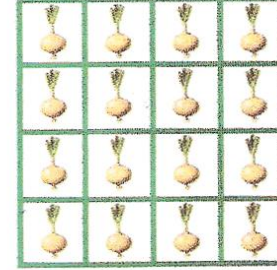
Marigold



Beet



Onion



*Courtesy of Square Foot Gardening*

**9. Exact seed count**

**10. Water by automatic timer for precise amounts and time.**

**11. Replant immediately after harvest.**

# 12. Store the rest in a bottle in the refrigerator—keeps 2-5 years.

## Years You Can Store Seeds

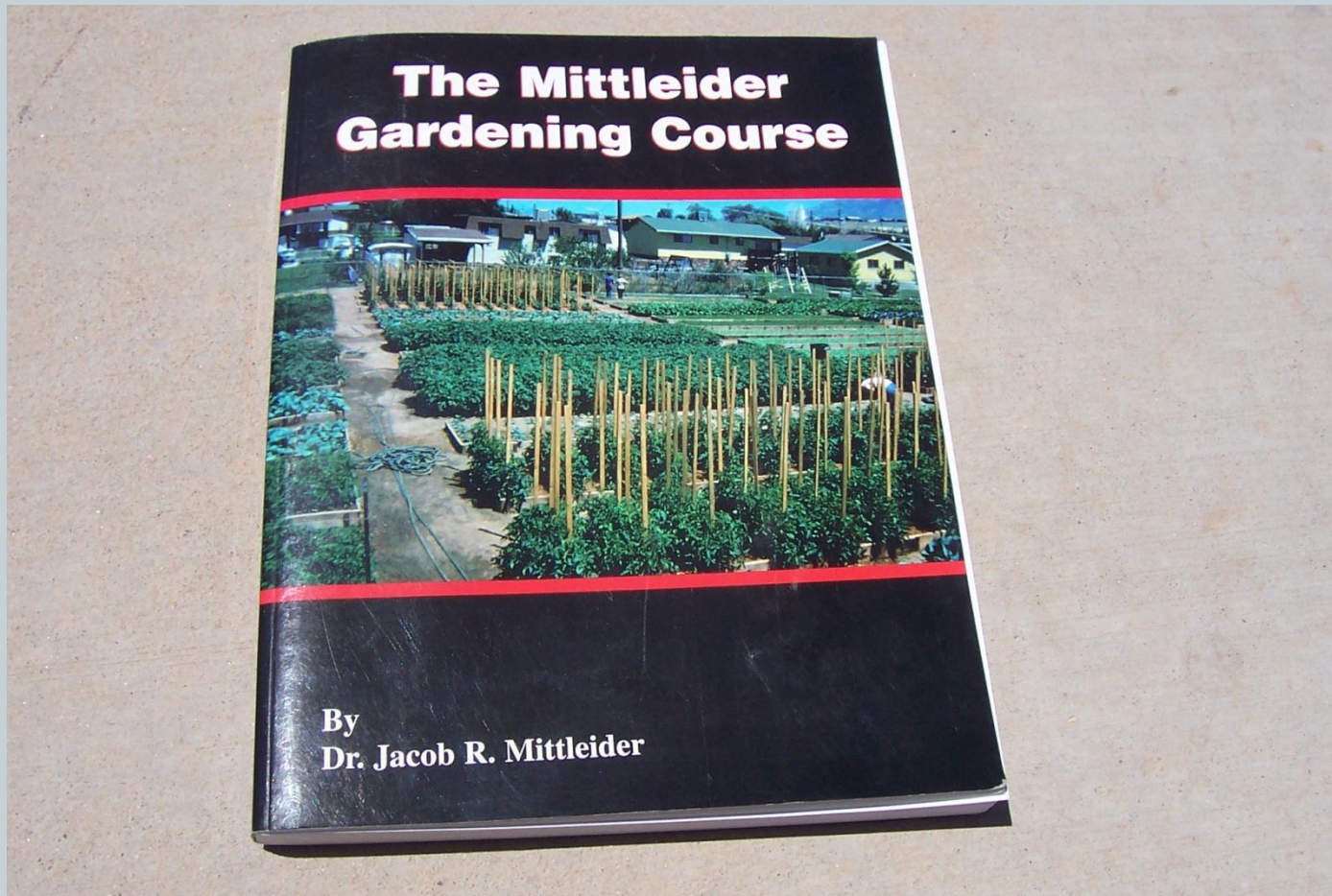
• Asparagus	3	• Okra	2
• Bean, bush & pole	3-4	• Onion,	1-2
• Beet	4-5	• Parsley	2-3
• Broccoli	5-6	• Peas	3-4
• Brussels sprouts	5-6	• Pepper	4-5
• Cabbage	5-6	• Potato	plant last year's potatoes
• Carrot	3-4	• Potato, Sweet	plant slips from last year's potatoes
• Cauliflower	5-6	• Pumpkin	5-6
• Chard	4-5	• Radish	5-6
• Corn, Sweet	1-2	• Spinach	5-6
• Cucumber	5-6	• Squash,	5-6
• Egg Plant	5-6	• Tomato	4-5
• Lettuce	5-6		
• Melons,	5-6		

*Courtesy of Square Foot Gardening*



# Mittleider Fertilizer Method

<http://foodforeveryone.org>



# DRY HYDROPONICS

- Organic vs. Chemical Fertilizers
- Mittleider vs. SFG
- Bag Gardening combines both of these concepts



# Automated Irrigation System

Timer and Y

Drip tubing



T & Valve



# Growing Tips

## Pesticides

- Sevin

- Bacillus

- Thuringienisis

- (BT)



## Winter & Summer Protection



# Growing Vines on Fence



**Tomatoes -16 wks to maturity**

- Cucumbers 9 wks to maturity
- Melons 12 wks to maturity





# Broccoli, Cabbage & Cauliflower

## 16 wks to maturity





**Beans bush 8 wks; pole  
10 wks to maturity**





# Carrots 10 wks to maturity





# Lettuce 7 wks to harvest





# Peas 10 wks to maturity





# Onions 20 wks from seed; 14 wks from sets





# Peppers 10 wks from seed



# Potatoes



- **White**
- **Red Round**
- **Sweet Potatoes**



# Strawberries



























ARCE

SANTER, CA 92071

0 26703 105



WARNING  
AVISO

Children can be  
injured and drown  
Keep children away  
from bucket with even  
small amount of liquid  
Los niños pueden  
ser heridos y ahogarse  
No deje que los niños  
se acerquen a este cubo  
aunque solo contenga  
pequeña cantidad de líquido