

### THE MAJOR ADVANTAGES OF VERTICAL GROWING

1. Space savings: 3-8 times more plants per acre with vertical growing.
2. Less energy and less water (up to 85% savings on water)
3. Less diseases, especially from soil (no soil splattering)
4. Less contamination, especially from soils or irrigation water.
5. Little or no herbicides
6. Longer seasons: soil temperature and rainfall not a factor
7. Higher market prices in the “Off” season
8. Direct sales: cleaner, harvest standing up, no washing, etc.
9. Soil type is not a factor.
10. Excessive rainfall is less damaging.
11. Less fertilizer waste: Organic possibilities
12. Less water waste (Water Management approval)
13. Less Pesticides (no soil sterilants such as Methyl Bromide or Vapam)
14. Less water used for misting or “watering in” in field crops.
15. Crops: Strawberries, lettuce, tomatoes, peppers, onions, spinach, herbs, etc.
16. Movable stacks or towers. Can be used inside or outside.
17. Movable pots, with or without plants.
18. Easier and less expensive to cover with shade or crop covers
19. Less expensive to fence and protect from animals or intruders
20. Better control of root zone temperature
21. New compact varieties and higher production possible
22. Higher quality fruits and vegetables. i.e. more long stem berries, etc
23. Depreciable over 5 years.
24. Less expensive than any other hydroponic systems
25. No disposing of plastic and growing media may be recycled.