

## Index

Page numbers in **bold face** indicate tables.

### A

#### A-frames

- cloche, 96
- trellis, 56–57

African marigolds, 87

#### alfalfa

- as fertilizer, 65–66
- in interplanting, 35
- in no-till gardening, 18
- with strip-cropping, 46

amaranth, 112–14

*Amaranth: From the Past for the Future* (Cole), 114

*Amaranthus tricolor*, 112–14

asparagus pea, 109–10

### B

bamboo structures, 56–58

band/border planting, 43–44, 44–46

Bartholomew, Mel, 47, 67

bastard trenching (double digging), 6–13, 22

beds, garden. *see* growing beds

Beneficial Insect Introduction Laboratory, 84

between-plant spacing, **38**

blood meal, 19, 67

bone meal, 12, 67

borage, 106–7

border planting, 43–44, 44–46

Bubel, Nancy, 103

bug-juice spray, 84–85

### C

cages for vertical gardening, 54–56

Chadwick, Alan, 6

*Chelonus curvimaculatus*, 84

Chinese spinach (amaranth), 112–14

*Chrysanthemum cinerariaefolium*, 86

circle beds, 48–50

*Circle Gardening* (Langham), 50

circle planting, 48–50

cloches, 92–97

- cold-tolerant crops for, 114–19
- homemade, 94–95
- introduction, 92–93
- and square-foot gardening, 48
- tested at the OGFRC, 95–97
- see also* solar frames

#### clover

- in interplanting, 34
- in no-till gardening, 19–20
- with strip-cropping, 46
- see also* alfalfa

cold-tolerant crops, 22, 114–19, **118–19**

Cole, John N., 114

comfrey, 68–69, 103, **104**, 105

comfrey tea, 68–69

compaction layer, 4–5, 17–18

companion planting, 35, **42**, 49, 87, 109

#### compost

- in band/border planting, 43, 44
  - in circle planting, 50
  - for conditioning soil, 4, 6
  - and continuous harvests, 34
  - in double digging, 12
  - in fertilizer recipes, 67
  - in growing beds, 15, 16, 18
  - and interplanting, 34
  - in solar frames, 91
  - and square-foot gardening, 47
  - and succession/relay planting, 25, 26
  - tea, 67–68, 69, 92
  - and vertical gardening, 56
- continuous harvest techniques, 21–50
- companion planting, 35
  - early/late varieties, 22
  - growing degree-days, 27–29
  - improving yields, 44–50
  - intensive planting, 35–44
  - interplanting, 29–35
  - introduction, 21–22
  - succession/relay planting, 22–27
  - see also* extended growing seasons
- conventional gardening. *see* row gardening, conventional
- cool-season crops, 22, 114–19, **118–19**
- copper naphthenate, 14
- Cornell University, 86
- cover crops, 19, 46, 65
- crop rotation, 25, 33–35, 47
- cross-pollinating seeds, 125–27
- CRS Company, 82

### D

dandelions, 106, 107

desert gardening, 15–17, 22

diatomaceous earth, 86

double digging, 6–13, 22

double row and band planting, 45–46

### E

Ecolite, 17

edible pods, 110–12

emergence times, insect, 73–75, **76–80**

*Encarsia formosa*, 84

equidistant spacing, 37

- erosion control, 46  
 experiments, garden, 120–24  
 extended growing seasons. *see* season extension techniques
- F**  
 fertilizers. *see* organic fertilizers; separate materials (compost, manure, peat, etc.); separate materials (compost, manure, peat moss, etc.), 65–71  
   alfalfa, 65–66  
   in double digging, 10–13  
   foliar sprays, 68–69  
   recipes, 14, 66–68  
   reservoir feeding, 69–71  
   teas (comfrey/compost/manure), 67–69, 91–92, 111  
 fish emulsion, 68, 69, 91  
 flies, parasitic, 84  
 foliar sprays, 68–69  
 Formula 57, 82
- G**  
 garden experiments, 120–24  
 girasole (Jerusalem artichoke), 107–9  
*Gourmet Gardening* (Halprin), 103  
 green lacewings, 83  
 green manure  
   alfalfa as, 65, **66**  
   and double digging, 12  
   and interplanting, 34, 35  
   and no-till gardening, 19  
   and strip-cropping, 47  
 growing beds  
   double digging, 6–13, 22  
   and intensive planting, 35–44, **38**  
   introduction, 5–6  
   layout design, in garden, 7–8  
   shaping of, 12  
   soil preparation in, 5–15  
   with structured sides, 13–15  
   yields compared to row gardens, 5–6  
 growing degree-days, 27–29  
 growing season extension. *see* season extension techniques
- H**  
 Hagen, Kenneth, 82  
 Halpin, Anne, 103  
 Henry Doubleday Research Association, 68  
 herbs/plants for pest control, 34, 86–87  
 Hills, Lawrence D., 68  
 hin choy. *see* amaranth  
 hot caps. *see* cloches
- I**  
*Improve Your Gardening with Backyard Research* (Levitan), 121  
 insect pests  
   emergence times, 73–75, **76–80**  
   predators of, 81–84  
   repellent plants for, 87  
 intensive beds. *see* growing beds  
 intensive planting, 35–50, **38**  
   in band/border plantings, 43–44, 44–46  
   in blocks and patches, 43, 47–48  
   circle planting, 48–50  
   and continuous harvests, 21  
   in conventional garden layouts, 44–48  
   and foliar sprays, 68  
   introduction, 35–37  
   and no-till gardening, 19  
   in rowed beds, 37–43  
   square foot gardening, 47–48  
   and vertical gardening, 52  
 intercropping. *see* interplanting  
 interplanting, 29–35  
   with insect-repellent plants, 87  
   introduction, 29–30  
   plant needs in, 30–35  
   in rowed beds, 39–41, 43  
   in square-foot gardening, 48
- J**  
 Jerusalem artichokes, 107–9
- L**  
 lacewings, green, 83  
 lady beetles, 81, 82–83  
 Langham, Derald G., 50  
 Latin Square design, 123  
 leaf mold, 67, 91  
 legumes  
   and continuous harvests, 25–26  
   and interplanting, 34  
   pest control for, 81  
   in strip-cropping, 46–47  
   for variety in gardening, 109–10  
 Levitan, Lois, 121, 122  
 living mulch, 36
- M**  
 mantids, praying, 81, 83  
 manure, 109–10  
   and band/border planting, 44  
   and circle planting, 50  
   in conditioning soil, 4, 6, 10  
   in double digging, 10, 12

- and interplanting, 34, 41
  - and no-till gardening, 19, 44
  - and pan gardening, 16
  - and solar frames, 91
  - and succession/relay planting, 25, 26
  - tea, 67–69, 91, 111
  - and trench gardening, 16–17
  - and vertical gardening, 56
  - see also* green manure
  - martynia, 111–12
  - meals (fertilizer), 12, 19, 67
  - mulch
    - alfalfa as, 65–66
    - and extended growing seasons, 88, 97–98
    - and improving yields in conventional gardens, 45
    - and intensive planting, 36
    - and interplanting, 33–34
    - and no-till gardening, 18–19, 20
    - plastic sheeting as, 97–98
- N**
- no-till gardening, 17–20, 22, 44–45
- O**
- OGFRC. *see* Organic Gardening and Farming Research Center
  - okra, 110–11
  - old seed varieties, 131–34
  - "one shot" harvests, 21
  - organic fertilizer. *see* fertilizers
  - Organic Gardening*, 2, 15, 112
  - Organic Gardening and Farming Research Center (OGFRC)
    - and alfalfa as fertilizer, 65
    - and amaranth, 112–13
    - and cloches, 95–97
    - and companion planting, 35
    - introduction, 2–3
    - and no-till gardening, 17–18
    - and pest control, 84–85
    - and strip-cropping, 46
    - and vertical gardening, 61
  - oriental vegetables, 114–19
- P**
- pan gardening, 15–16, 22
  - parasitic wasps/flies, 84
  - peas, asparagus, 109–10
  - peas, supports for, 57–59
  - peat moss
    - and band/border planting, 43
    - and seed saving, 130
    - and solar frames, 91
  - and square-foot gardening, 47
  - and trench gardening, 16
  - Pediobius foveolatus*, 84
  - pelletized seeds, 80–81
  - perennial vegetables, unusual, 103–5
  - pest control, 72–87
    - companion planting for, 34
    - insect emergence timing, 73–80
    - insect predators, 81–84
    - insect-repellent plants, 86–87
    - introduction, 72–73
    - pelletized seeds, 80–81
    - sprays, homemade, 84–87
  - plant spacing, 36–40, **38**
  - plant-juice spray, 85–86
  - plants/herbs for pest control, 34, 86–87
  - plastic sheeting, 14
    - as mulch, 17, 97–98
    - use for cloches, 96–97
  - Poisson, Leandre, 89, 95
  - Poisson cone, 95–96
  - pollination types, seed, 125–27
  - praying mantids, 81, 83
  - proximity crops, 25
  - pruning and verticle gardening, 52–53
  - pyramid trellis, 60–61
- R**
- raised beds, 13–15
  - recipes, homemade
    - for fertilization, 66–69
    - for pest control, 85–86
  - relay planting. *see* succession/relay planting
  - reservoir feeding, 69–71
  - rock phosphate, 12, 67, 81
  - Rodale Plans*, 90
  - Rodale Reader Research Program, 2–3, 112
  - rotenone, 86
  - row gardening, conventional
    - and continuous harvests, 22
    - improving yields in, 44–50
    - yields compared to growing beds, 5, **6**
  - rows in growing beds, 37–43
    - intensive planting in, 37–43
    - and interplanting, 39–41, 43
    - spacing of plants in, 38–39, **40**
  - Rumsey clips, 96
- S**
- sand, 10, 16, 43, 91, 113, 130
  - saving seeds. *see* seed saving
  - scorzonera, 107–9
  - sea kale, 103–5

- season extension techniques, 88–101  
 cloches, 92–97  
 cool-season crops for, 114–19  
 introduction, 88  
 and mulch, 88, 97–98  
 solar frames, 88–92  
 windbreaks, 98–101
- seaweed/seaweed solutions, 67, 68–69
- seed pollination types, 125–27
- Seed Savers Exchange, 132, 133
- seed saving, 125–34  
 introduction, 125  
 of old varieties, 131–34  
 production and harvest, 128–30  
 seed pollination types, 125–27  
 storage, 130–31
- seed sources  
 old varieties, 133–34  
 for unusual and cold tolerant crops, **118–19**
- self-pollinating seeds, 125–27
- self-seeding vegetables, 106–7
- short-season crops, **27**
- sod, 8–10, 17–20, 46–47
- soil compaction, 4–5, 17–18
- soil conditioners. *see* separate materials (compost, manure, peat moss, etc.)
- soil fertility and succession/relay planting, 25–26
- soil pan, 17
- soil preparation, 4–20  
 compaction, as solution to, 5  
 in desert soils, 15–17  
 in growing beds, 5–15  
 introduction, 4–5  
 in no-till gardening, 17–20, 44–45  
 in structured beds, 13–15
- solar frames, 88–92
- Solar Growing Frame* (Wolf), 90
- Solar Survival, 95
- soybean meal, 67
- spacing, plant, 36–40, **38**
- spinach, Chinese. *see* amaranth
- sprays, homemade  
 foliar feeding, 68–69  
 pest control, 84–87
- Square Foot Gardening* (Bartholomew), 47
- square-center spacing, 36–37
- square-foot gardening (blocks), 47–48
- string trellises, 64
- strip-cropping, 46–47
- structured beds, 13–15
- succession/relay planting, 22–27  
 with crop rotation, 25  
 for disease/pest control, 24–25  
 explained, 22–23  
 and proximity crops, 25  
 and short-season crops, **27**  
 for soil fertility, 25–26  
 timing, 23–24  
 and vegetable growth rates, 26–27
- sunchoke (Jerusalem artichoke), 107–9
- sunken beds. *see* pan gardening
- T**
- tampala. *see* amaranth
- teas (comfrey/compost/manure), 67–69, 91–92, 111
- temperatures for vegetable crops, base, **28**
- tepee trellises, 59–60
- topsoil, 43, 47, 91
- trellises, 56–64
- trench gardening, 16–17
- Tri Excel, 86
- Trichogramma wasp, 84
- Trouse, Albert, 4–5
- turf loam, 9
- two-dimensional trellis, 61–64
- U**
- United States Department of Agriculture (USDA), 4, 35
- unusual and cold tolerant crops, seed sources for, **118–19**
- unusual perennial vegetables, 103–5
- V**
- variety in vegetable gardening, 102–19  
 amaranth, 112–14  
 cool-season crops, 114–19  
 edible pods, 110–12  
 introduction, 102–3  
 legumes, 109–10  
 perennial vegetables, unusual, 103–5  
 root crops, 107–9  
 self-seeding vegetables, 106–7  
 sources for unusual vegetable varieties, **118–19**
- vegetables for specific methods  
 band/border planting, 45, 47  
 circle planting, 48–50  
 cloches, 91, 114–19  
 companion planting, 42  
 continuous harvests, 21–23, 26–27, 31–32  
 double row and band planting, 45  
 intensive planting, **7**  
 interplanting, 32–33, 34, 40  
 no-till gardening, 18  
 plastic mulching, 98  
 solar frames, 91, 114–19  
 strip-cropping, 46–47

succession/relay planting, 23, **27**  
vertical gardening, 51–53  
*see also* seed saving; variety in vegetable garden  
*Vegetables Money Can't Buy but You Can Grow*  
(Bubel), 103  
vegetable-sod interplanting. *see* no-till gardening  
vertical gardening, 50–64  
    bamboo structures, 56–58  
    cages, 54–56  
    and intensive planting, 52  
    introduction, 51  
    plant requirements for, 52–54  
    trellises, 58–64  
    vegetable types suitable for, 51–53

## W

wasps/flies, parasitic, 84  
windbreaks, 98–101  
    in strip-cropping, 46  
Wolf, Ray, 90  
wood ashes, 12, 34, 43, 44, 67

## Y

yard-long bean, 109–110  
yields in conventional gardens, improving, 43–50  
*see also* season extension techniques