

# INDEX

- Acresage of harvested crops per man-year of labor (table), 262
- Age, effect on specialization, 105, 106
- Agencies
  - buying, 338
  - selling, 338
- Alfalfa production map (figure), 140
- Analysis of business, 302
- Analysis of farm records, advantages of, 325
- Appraisal, rule-of-thumb method of land value (table), 118
- Area effect on cropping program, 133-35
- Barley production map (figure), 138
- Beef calf gains, effect of feeding more protein (table), 207, 208
- Beef calves, methods of winter feeding (table), 206
- Beef carcass, increase in weight of (table), 210
- Beef cattle, winter rations for, 208
- Beef cattle farmer, 86-89
- Beef cattle feeders, 86-89
- Beef cattle feeding profit, two sources of, 211-13
- Beef cattle feeding, protein cake on summer grass, 208, 209
- Beef cattle feeding, requirements for success in, 211
- Beef cattle production map (figure), 181
- Beef cattle raisers, 89
- Beef cattle raising enterprise, 182
  - effect of quality breeding stock on, 204
  - size of farm for, 204
  - importance of calf crop to, 205, 206
  - importance of feed costs of, 205-07
- Beef production in Corn Belt, 24, 25
- Beginning farm family money needs, 125
- Big farms, 98
- Borrowed working capital, 66
- Buffer strips, use of, 145
- Business analysis, 302
- Buying a farm, 114
  - factors affecting, 107, 108
  - factors affecting decision to, 114
  - reasons against, for young farmer, 114
- Buying problems
  - importance of, 298, 299
  - importance of judgment and knowledge in, 299
- Capital
  - account, 301
  - borrowed
    - points to consider in use of (table), 126
    - use of, 127
  - determination of, 312
  - needed for various rent plans (table), 113
  - on Midwest farms (table), 14
  - points to consider in deciding amount needed, 129, 130
  - measures for checking on use, 327
  - steps to take before borrowing, 127
- Cash crop farmer, 82-84
- Cash grain areas, 28-30
- Cash lease
  - flexible, 113
  - rent plan, 112
- Cattle feeding, seven drylot programs (figure), 213
- Cattle feeding profit, two sources of (table), 212
- Cattle feeding program
  - deferred, 215
  - effect of feed supply on (figure), 213
  - effect of price changes on, 212
  - fitting to feed supply (table), 215
  - general rules for, 214
- Cattle feeding systems, 209-21

- Cattle inventory, record page (figure), 314
- Central Kansas wheat and general farming area, 49
- Central North Dakota spring wheat - small grain - livestock area, 54
- Central Plains specialized wheat area, 52
- Central Wisconsin dairy and general farming area, 40
- Chickens raised, production map (figure), 186
- Chicken raising enterprise  
 choosing breed for, 236, 237  
 different sizes of, 235, 236  
 effect of diseases on, 238, 239  
 feed requirements for, 240  
 importance of early maturing pullets to, 239  
 importance of good chicks to, 236  
 importance of proper feeding to, 238  
 requirements for (table), 237
- Chickens, seasonal price changes of (figure), 296
- Choice steer selling price chart (figure), 218
- Chore system  
 changes in, 277, 279, 280  
 check points for, 280  
 inefficiency in, 275, 277, 279, 280  
 replanning of, 277, 279
- Climate variations in the Midwest, 19, 20
- Clover and timothy hay production map (figure), 140
- Commercial size farms, 12
- Commodity price variations, factors affecting, 292-97
- Conservation of soils, 143-46
- Conservation programs for farmers, 335
- Consumer, effect on price-making process, 283, 284
- Consumer income, effect on price-making, 284, 285
- Contour farming, effect on crop yields (table), 146
- Contoured fields, fencing for, 169
- Conveniences on Midwest farms (table), 14
- Cooperatives, marketing, advantages of 297, 298
- Corn, effect on farming plan in Corn Belt, 24
- Corn Belt Area, 18, 23-45  
 beef production in, 24, 25  
 corn effect on farming plan in, 24  
 Cash grain areas, 28-30  
 Illinois-Indiana cash grain area, 29  
 Iowa-Minnesota cash grain and livestock area, 29  
 Northwest Corn Belt fringe area, 30  
 Southwest Corn Belt fringe area, 30  
 Wabash Valley area, 30
- Dairying and general farming areas, 31-33  
 Indiana-Ohio hog and general farming area, 34  
 Iowa-Missouri livestock and pasture area, 35  
 Iowa-Wisconsin-Illinois hog and dairy area, 34  
 North Indiana-Michigan general farming, 34  
 North Indiana-Ohio-Michigan mixed farming, 34  
 Southern Corn Belt fringe, 35
- dairying in, 25  
 farm size in, 25, 28  
 farming pattern (table), 26  
 farms  
 history of management on six, 77-80  
 profit and loss of (figure), 77
- Livestock feeding areas, 30, 31  
 Mississippi River Valley meat area, 30  
 Missouri Valley meat area, 31  
 Nebraska-South Dakota Corn Belt fringe area, 31  
 make-up of farms in, 25-28  
 poultry in, 25  
 rented farms in, 28  
 sheep in, 25  
 variations in, 28
- Corn production map (figure), 134
- Cost differences, 20-23
- Cost factor  
 effect on crop plan, 139, 140  
 in crop production, 139

- Costs of producing livestock (table), 184
- Cost of using machinery and equipment (table), 121, 122, 123
- Costs on \$10,000 mortgage loan (table), 116
- Cotton cake fed to yearling steers (table), 209
- County agricultural agent, duties of, 331
- Credit
- long-term, points about (table), 128
  - short-term, points about (table), 128
  - sources of, 336-38
  - sources to finance farm purchases (figure), 130
- Crop fertility, 153, 155
- Crop insurance programs for farmers, 335
- Crop plan
- adjustment to, 274, 275
  - cost factor effect on, 139, 140
  - effect of weed control on, 160, 161
  - guides for, 169, 170
  - labor needs effect on, 139
  - long range effect of, 135
  - need of information on crops for, 135
  - price variation effect on, 139
  - risk factor effect on, 137
  - use of high profit crops for, 137
- Crop production, effect of rotation on, 159, 160
- Crop record, record page (figure), 320
- Crop yields, effect of rotations on, 155, 156
- Cropping program, area affect on, 133-35
- Cropping system, 133-70
- Crops
- feed value of, 153, 155
  - soil conserving, use of, 143, 145
- Dairy Area, 18
- farming pattern (table), 38
- Dairy areas, 35-42
- Central Wisconsin dairy and general farming area, 40
  - East Michigan dairy and general farming area, 40
  - Michigan east shore area, 42
  - Minnesota-Wisconsin-Michigan cut-over area, 40, 41
  - Nonfarm areas, 37
  - Northeast Ohio dairy and mixed farming area, 40
  - North Mississippi river valley dairy area, 37
  - Northwest Minnesota cutover fringe area, 40
  - Wisconsin-Illinois intensive dairy area, 37
- Dairy cows
- factors affecting feeding of, 199-202
  - guide to feeding grain to (table), 201
- Dairy enterprise, 198-203
- effect of disease hazards on, 202
  - effect of feed cost for heifers on, 202
  - effect of labor needs on, 202
  - use of good bulls, effect on, 202
- Dairy farmer, 84-86
- Dairying and general farming areas, 31-33
- Dairying in Corn Belt, 25
- Decision-making in farming, 7, 8
- Deferred cattle feeding program, 215
- Disadvantages of farming, 4
- Diversified farming, 104, 105
- Drylot cattle feeding programs (figure), 213
- Dual-purpose cattle enterprise
- advantages of, 203
  - size of, 203
  - type of cattle for, 203
- East Michigan dairy and general farming area, 40
- Educational sources, aid to farmers, 333
- Egg production map (figure), 179
- Eggs, seasonal price changes of (figure), 296
- Enterprise combinations, varieties of, 321
- Equipment necessary for successful farm operation, 117, 119, 120
- Erosion control dams, 145
- Erosion control practices, use of, 145
- Erosion, rotation effect on, 155
- Experimental results, use of, 152, 153

- Expenses  
 division of farm and family, 312  
 division of short-term and long-term items of, 312  
 kinds of, 309  
 per acre of crop land harvested (table), 20  
 record of, 301  
 record page of (figure), 310
- Family farms, 98  
 Family finance record (figure), 356  
 Family goals arrived at by family planning, 354  
 Family goals, varieties of, 343  
 Family living record, 302  
 Family planning, necessity of, 341  
 Family resources  
 use in family living, 347  
 use in farming, 347  
 Family harmony, problems in arriving at, 346  
 Family values, ranking of, 344  
 Farm conditions, effect on field arrangement, 168, 169  
 Farm, effect on livestock plan of, 191  
 Farm family living expenses (figure), 357  
 Farm groups, three main, 11, 12, 13, 15  
 Farm land rented in Midwest (figure), 109  
 Farm management, key questions in, 75, 76  
 Farm management ability, relation to family management ability, 349  
 Farm management principles  
 actual farm situation example for studying, 74, 75  
 hog raising example for studying, 68, 69  
 livestock raising example for studying, 70-73  
 wheat farming example for studying, 69, 70  
 Farm managers, professional functions of, 339  
 Farm plan  
 a case study of, 253-62  
 amount of detail for, 250  
 disadvantages of part-plan, 250  
 effect on marketing of, 287, 288  
 for older middle-aged family, 249  
 for younger family, 248  
 for younger middle-aged family, 248, 249  
 hog-cattle feeder type, 267, 269  
 hog-dairy type, 266  
 importance of crop combination to, 263  
 importance of farmer to, 249, 250  
 importance of life cycle to, 248  
 importance of making it yourself, 251  
 importance of rotation to, 263-66  
 important considerations of, 252  
 need for adjustment to, 262  
 purposes of, 246  
 requirements for, 247, 248  
 smaller farm problems, 272, 273  
 starting of, 252  
 steps in making, 281, 282  
 Farm size, 95  
 effect on livestock enterprise, 192, 195  
 Farm type and size, 81  
 Farmer, effect on livestock plan of, 191, 192, 195  
 Farmer's Home Administration, functions of, 337  
 Farming  
 a family affair, 6, 7  
 a varied occupation, 3  
 a way of life, 3  
 compared to other occupations, 9, 10  
 disadvantages, 4  
 Farming areas, four main, 18  
 Farming opportunities, 17, 18  
 Farming pattern  
 Dairy Area (table), 38, 39  
 General Farming Area (table), 44, 45  
 Wheat Area (table), 50, 51  
 Farming risks, 8, 9  
 Farming success, effect of marketing decisions of, 285  
 Farms  
 part time, 13  
 size, capital, income, workers, and conveniences on (table), 14  
 commercial size, 12  
 small holdings, 13  
 Feed and livestock budget (table), 271  
 Feed budget, use of, 270-72  
 Feed fed profit, source of beef cattle feeding profit, 211

- Feed fed records, use of, 317
- Feed from 100 acres of cropland (table), 264
- Feed needed for 100 pounds gain on steers (table), 220
- Feed needs, importance of livestock efficiency to, 269, 270
- Feed nutrients per acre of certain crops (table), 154
- Feed price, effect on best sale weight of hogs, 228
- Feed required per year by farm sheep flocks (table), 231
- Feed requirements  
for chickens, 240, 241  
of market poultry (table), 241
- Feed supply  
effect on best sale weight of hogs, 228  
effect on cattle feeding program, 213  
effect on livestock enterprise, 195
- Feed units per 100 acres with five rates of legume use (table), 156
- Feed value of crops, 153, 155
- Feeder cattle  
how to feed, 217, 220, 221  
type of feeds needed for, 220  
where to buy, 216, 217
- Feeding margin  
effect on livestock plan of, 184  
factors affecting, 182
- Fencing of contoured fields, 169
- Fertility, effect of rotation on, 155
- Fertility constituents per acre of certain crops (table), 154
- Fertilizer  
factors determining use, 149, 150  
for lime, 149  
for nitrogen, 148  
for phosphorus, 148  
for potash, 148  
results in four states (table), 152  
local studies, 153  
for elements lacking in soil, 148, 149
- Field arrangement  
farm condition effect on, 168, 169  
rotation plan effect on, 168, 169
- Field layout plan, 168
- Financial risk in farming, 66
- Flint hills blue stem area, 55
- General farm plan, 245, 246
- General farmer, 92
- General Farming Area, 19, 42-48  
pattern (table), 44  
Mississippi Delta cotton area, 48  
Missouri Ozarks area, 46  
St. Louis milkshed area, 46  
Southern Illinois graylands area, 46  
Southern Indiana hills and bottoms area, 46, 48  
Upper Ohio river valley area, 46
- Grain-share rent plan, 110, 111
- Grain, hay and pasture use, for various types livestock (table), 180
- Great Plains area, 48-55  
Central Kansas wheat and general farming area, 49  
Central North Dakota Spring wheat - small grain - livestock area, 54  
Central Plains specialized wheat area, 52  
Flint hills blue stem area, 55  
irrigated area, 55  
Red River valley wheat - potatoes - sugar beets - livestock area, 54  
Sand hills, Great Plains range livestock area, 55  
Southwest Kansas wheat and grain sorghum area, 54  
Southwest North Dakota wheat - livestock area, 54  
Spring wheat - Corn Belt transition area, 55  
Upper Missouri river valley wheat and livestock area, 54
- Green pea production map (figure), 142
- Gross income differences, 20-23
- Gross income drop, effect on net income (table), 22
- Hens, requirements of (table), 239
- Hog-cattle feeder type farm plans, 267, 269
- Hog-dairy farm plans, 266, 267
- Hog farmer, 89, 90
- Hog inventory, record page (figure), 314
- Hog production map (figure), 179
- Hog raising  
effect of good practices on, 224  
important factors in, 221, 222
- Hog raising plan, effect on best sale weight of hogs, 226, 227

- Hog raising plans, 222-24  
 Hog raising practices, 225, 226  
 Hogs  
   best weight to sell (table), 229  
   best time to sell (table), 229  
   when to sell, 229, 230  
 Home accounts, importance to future planning of, 355  
 Home demonstration agent, duties of, 331  
 Household goods bought, first management test, 125-27
- Illinois-Indiana cash grain area, 29  
 Income  
   estimating of, 10, 11  
   in farming, sources of, 7  
   net farm, advantages of checking on, 329  
   of Midwest farms (table), 14  
   on typical Midwest farm (figure), 21  
   per acre of cropland harvested (table), 20  
   total per man-year of labor (table), 328  
   record of, 301  
 Income advantage from feeding more grain to milk cows (table), 201  
 Income differences, of farming areas, 20-23  
 Income disadvantage from feeding more grain to milk cows (table), 201  
 Income results, from two small farm plans (table), 274  
 Income tax effect, of various types record keeping, 307  
 Indiana-Ohio hog and general farming area, 34  
 Interest yearly, on \$10,000 mortgage loan (table), 116  
 Inventory, check points for taking, 313  
 Inventory account, 301  
 Inventory list (table), 313  
 Investment decision, points used in making (table), 131  
 Iowa-Minnesota cash grain and livestock area, 29  
 Iowa-Missouri livestock and pasture area, 35  
 Iowa rotations, 157  
 Iowa-Wisconsin-Illinois hog and dairy area, 34  
 Irrigated area, 55
- Labor  
   as a resource, 61  
   required per unit on family size farms (table), 96  
   sources of information on, 340  
 Labor costs in farming, 61, 62  
 Labor efficiency, importance of larger business to, 273  
 Labor needs  
   effect of small jobs on, 96  
   effect on crop plan, 139  
 Labor required, small farm plan (table), 274  
 Labor requirements for various rotations, 264, 266  
 Labor-share rent plan, 109, 110  
   advantage of, 110  
 Labor supply  
   effect on size of farm, 95  
   in farming, 61  
   on Midwest farms (table), 14  
 Labor use, measures for checking on 327  
 Lamb feeding  
   guides to success, 233, 234  
   methods, 234, 235  
   rations, 234, 235  
   requirements for, 232-35  
 Land, as a resource, 63, 64  
 Land use, effect on livestock plan of, 180  
 Land use pattern  
   Dairy Area, 41  
   in General Farming Area, 47  
   in Plains Area, 53  
   of Corn Belt Area (figure), 32, 33  
 Land value appraisal methods (table), 118  
 Land values, variations in Midwest (figure), 115  
 Large family farms (figure), 97  
 Larger business, importance to labor efficiency of, 273  
 Larger, rougher farm, type of livestock enterprise for, 195  
 Legumes, feed units per 100 acres with five rates of (table), 156

- Lespedeza production map (figure), 140
- Life cycle, importance to farm plan of, 248
- Livestock  
 additional resources put to use by, 173, 174  
 principles for best combination of, 73  
 resources needed to return \$1,000 in one year from (table), 175  
 various types, use of grain, hay and pasture for (table), 180
- Livestock and feed budget (table), 271
- Livestock efficiency, importance to feed needs of, 269, 270
- Livestock enterprise  
 effect of farm size on, 192, 195  
 effect of feed supply on, 195  
 effect of increasing one at expense of another, 190  
 factors affecting minimum size of, 187  
 factors affecting most profitable size, 189, 190  
 type for small size farm, 192, 195
- Livestock enterprises  
 comparison of (table), 194  
 variety of, 178, 180
- Livestock farming  
 other factors affecting choice of, 174  
 reasons in favor of, 171
- Livestock feeding areas, 30, 31
- Livestock feeding efficiency, methods of checking (table), 326
- Livestock feeding margins on Midwest farm (figure), 185
- Livestock plan  
 effect of community on, 173  
 effect of farmer on, 191, 192, 195  
 effect of feeding margin on, 184  
 effect of land use on, 180  
 factors to consider in planning, 172, 173  
 farm effect on, 191
- Livestock producing, relative costs of (table), 184
- Livestock program, guides for, 196, 197
- Livestock records, use of, 317
- Livestock sales, record page of (figure), 308
- Livestock share rent plan, 111, 112
- Livestock system to consume hay raised (table), 268
- Living costs  
 for families with children over sixteen, 358  
 for families with oldest child seven to sixteen, 358  
 for families with small children, 358  
 for older couples, 358  
 variation of, 355  
 for young couple, 358
- Living expenses, farm family (figure), 357
- Local banks, credit source for farmers, 336
- Local market outlets, effect on farm type, 93
- Machinery, crop plan effect on need for, 139
- Machinery check sheet (table), 124
- Machinery cost (table), 123
- Machinery depreciation schedule, record page (figure), 316
- Machinery necessary for successful farm operation, 117, 119, 120
- Machinery needs, factors affecting, 119, 120
- Make-up of Cornbelt farms, 25, 28
- Management of rented farms, 59
- Management risks, 59, 60
- Management skill  
 effect on specialization, 106  
 in farming, 57
- Management test, household goods bought, 125-27
- Manager, as a resource, 58, 59
- Market outlets, local, effect on farm type, 93
- Market trends, seasonal, effect on marketing problems, 292
- Marketing  
 government role in, 298  
 effect of farm plan on, 287, 288
- Marketing cooperatives, advantages of, 297, 298
- Marketing decisions  
 effect on farming success of, 285  
 opportunities for, 286
- Marketing problems  
 effect of resources used on, 290

- Marketing problems (*continued*)
- of breeding hog raiser, 288, 289
  - of market hog raiser, 287, 288
  - price outlook use in solving, 290
- Marketing return needed, effect of resources used on, 290
- Maximum livestock to keep for maximum profit, 71, 72
- Mechanical controls, use of, in erosion control, 145
- Medium family farms (figure), 97
- Medium steer selling price chart (figure), 219
- Michigan east shore area, 42
- Midwest climate variations, 19, 20
- Milk cow response to more grain in ration (table), 200
- Milk production map (figure), 181
- Milk seasonal price changes of (figure), 296
- Minnesota-Wisconsin-Michigan cutover area, 40, 41
- Mississippi Delta cotton area, 48
- Mississippi River valley meat area, 30
- Missouri Ozarks area, 46
- Missouri valley meat area, 31
- Money needs of beginning farm family, 125
- National farm loan association, functions of, 338
- Nebraska-South Dakota Corn Belt fringe area, 31
- Net income, affected by gross income drop (table), 22
- Net worth statement, 301
- record page (figure), 318
  - uses of, 315
- Nitrogen fertilizer, effect on wheat yields (table), 150
- Nonfarm areas, 37
- Northeast Ohio dairy and mixed farming area, 40
- North Indiana-Michigan general farming, 34
- North Indiana-Ohio-Michigan mixed farming, 34
- North Mississippi River valley dairy area, 37
- Northwest Corn Belt fringe area, 30
- Northwest Minnesota cutover fringe area, 40
- Oat production map (figure), 138
- Occupation, farming as, 6, 7
- Occupation, farming a varied, 3
- Operation, farm
- equipment necessary for, 117, 119, 120
  - machinery necessary for, 117, 119, 120
  - power necessary for, 117, 119, 120
- Operating costs, measures for checking on, 327
- Operation and production records, 302
- Opportunities in farming, 17, 18
- Orchards and vineyards production map (figure), 142
- Outline map of farm, use of, 317
- Part farm plan, disadvantages of, 250
- Partnership, father-son, 117
- Part-time farms, 13
- Pasture calendar (figure), 162
- Pasture, limitations of, 163, 164
- Pasture needs, determination of, 160, 161
- Pasture productivity (table), 163
- Pasture program, systems for improvement of, 161-63
- Personal factors in farming, 23
- Personal requirements for success in farming, 6
- Plains Area rotations, 157
- Poultry enterprise
- factors affecting size of, 187-89
  - large size, 188-89
  - medium size, 188
  - small size, 187, 188
- Poultry farmer, 90-92
- Poultry in Corn Belt, 25
- Power needs, factors affecting, 120, 121
- Power necessary for successful farm operation, 117, 119, 120
- Price changes
- effect on cattle feeding program, 212
  - seasonal, milk, eggs, and chickens (figure), 296
- Price-making, effect of consumer income on, 284, 285
- Price-making process, effect of consumer on, 283, 284
- Price outlook
- use in making short-run production plans, 291, 292
  - use in solving marketing problems, 290



- Price pattern, seasonal, four grades fed cattle (figure), 294
- Price trend, effect on best sale weight, 227, 228
- Production and operation records, 302
- Production credit association, functions of, 337
- Production records, varieties of, 317
- Productivity of various pastures (table), 163
- Profit for five different sizes of Corn-belt farms (table), 101
- Profit making in farming, 56
- Profit per pound, source of beef cattle feeding profit (table), 212
- Protein cake, use on summer grass, 208, 209
- Protein feed, effect on beef calf gains, 207, 208
- Radio programs, farm, 333
- Rating scorecard for farming, 15, 16
- Reading material available to farmers, 333
- Record analysis  
to show relation of livestock income to value of feed fed, 325  
record page (figure), 324  
uses of, 325
- Record books, varieties of, 309
- Record keeping  
cash income basis, 304  
cash income basis, disadvantages of, 305  
inventory basis, advantages of, 306
- Record summary  
beginning, cash basis (table), 304  
inventory basis (table), 306  
second year, cash basis (table), 305
- Records  
importance, 300  
varieties, 301, 302
- Risks, reducing, 60, 61
- Rent plans  
capital needs for (table), 113  
cash lease, 112, 113  
flexible cash lease, 113  
grain-share, 110, 111  
labor-share, 109, 110  
livestock-share, 111, 112
- Rented farm management, 59
- Rented farms in Corn Belt, 28
- Renting a farm  
factors affecting, 107, 108  
reasons for, 108
- Red River valley wheat - potatoes - sugar beets - livestock area, 54
- Resources  
best combination of, 66, 68  
change in amount used for family living, 349  
change in choice for use in family living, 351  
change in intensity of use for family living, 350  
change in proportion used for family living, 350  
combining of, 58  
four types of adjustments in use of family, 349  
maximum, to be used to produce maximum profits, 75  
needed to return \$1,000 in one year from livestock (table), 175  
used for satisfaction of all family members, 352
- Risk factor in crop production, 137
- Risk in management, 59, 60
- Risks in farming, 8, 9  
reducing of  
examples of indirect costs in, 60  
examples of direct money costs in, 60  
when to reduce, 61
- Rotation  
effect of type of farming on, 158  
effect on crop production of, 159, 160  
effect on fertility, 155  
effect on soil erosion, 155  
use of soil-conserving crops in, 143, 145
- Rotation plan, effect on field arrangement, 168, 169
- Rotation system  
factors affecting planning of, 167, 168  
to improve pasture, 161-63
- Rotations  
effect on crop yields, 155, 156  
for fair grade cropland, 166  
for fertile river bottoms, 164  
for good to excellent grade cropland, 164, 165  
for medium grade land, 165, 166  
for Plains Area, 166, 167  
in Iowa, 157  
in the Plains Area, 157

- St. Louis milkshed area, 46
- Sale weight of hogs  
 feed price effect on, 228  
 feed supply effect on, 228  
 hog raising plan effect on, 226  
 price trend effect on, 227, 228
- Sand hills - Great Plains range live-stock area, 55
- Selling price chart  
 for choice steers (figure) 218  
 for medium steers (figure), 219
- Sheep flocks, feed required per year (table), 231
- Sheep in Corn Belt, 25
- Sheep raised, production map (figure), 192
- Sheep raising, 182, 230-32  
 advantages of, 230  
 effect of diseases on, 231  
 requirements for, 230-32
- Size of Cornbelt farms, 25, 28
- Size of farm, 81, 95  
 factors determining, 95
- Size of farms in Plains Area, 49
- Size of Midwest farms (table), 14
- Size of business  
 adjusting of, 98  
 ways to increase, 98-104  
 increased by increasing farm size (table), 100  
 increased by increasing the intensity of production (table), 103  
 increased by intensifying production, 102  
 increased by selling higher value product (table), 104  
 increased by selling more valuable products, 102, 103  
 increased by using more land, labor, and capital (table), 100  
 increased by using more productive land (table), 99
- Sizes of farms (table), 13
- Small family farms (figure), 97
- Small farm holdings, 13
- Small farm plan, revising of (table), 273
- Small farms in General Farming Area, 43
- Small jobs effect on labor needs, 96
- Small size farm, type of livestock enterprise for, 192
- Smaller farm, farm plan problems, 272, 273
- Soil auger, use of, 141, 142
- Soil conservation, 143-46
- Soil Conservation Service, duties of, 336
- Soil-conserving crops, use of, 143, 145
- Soil fertility, check on, 147, 148
- Soil map, how to make, 141
- Sorghum production map (figure), 136
- Southern Corn Belt fringe, 35
- Southern Illinois graylands area, 46
- Southern Indiana hills and bottoms area, 46, 48
- Southwest Corn Belt fringe area, 30
- Southwest Kansas wheat and grain sorghum area, 54
- Southwest North Dakota wheat - live-stock area, 54
- Sows, number to keep for maximum profit, 69
- Soybean production map (figure), 134
- Specialization  
 effect of management skill on, 106  
 effect of age on, 105, 106
- Specialized farmers, 92
- Specialized farming, 105
- Spring wheat - Cornbelt transition area, 55
- Stock-share plan, essentials for success in, 111
- Storage programs for farmer, 335
- Strip cropping, use of, 145
- Subsidy programs for farmer, 335
- Success in farming, requirements for, 4, 6
- Summary of depreciation, record page (figure), 323
- Summary of expenses, record page (figure), 323
- Summary of income and expenses, record page (figure), 322
- Summary of inventories and income, record page (figure), 322
- Supply and demand conditions, effect on marketing problems, 291, 292
- Sweet corn (figure), 142
- Tomatoes (figure), 142
- Top dressing wheat  
 effect on yield (table), 150  
 factors affecting, 151, 152
- Top dressing winter wheat, possible profit from (table), 151
- Tractor costs, 121

- Tree planting, use of in erosion control, 145
- Type of farm, 81  
effect on farm size, 94
- Type of farming  
effect on rotation of, 158  
effect in size, 95  
other factors affecting, 93  
points to be considered in choosing, 82
- Types of farms, requirements for (table), 94
- Turkey raising, 243, 244  
important factors in, 243, 244
- Turkeys raised, production map (figure), 186
- Upkeep, effect on costs, 122
- Upper Ohio River valley area, 46
- Upper Missouri River valley wheat and livestock area, 54
- Vocational teachers, duties of, 322
- Wabash valley, area, 30
- Weed control effect on crop plan, 160
- Wisconsin-Illinois intensive dairy area, 37
- Wheat, acres of, to be raised for maximum profit, 70, 71
- Wheat and grazing area, 19
- Wheat area farming pattern (table), 50
- Wheat production map (figure), 136
- Wheat yield from 100 acres (table), 158
- Wild hay production map (figure), 140
- Winter feeding beef calf methods, effect on winter and summer gains (table), 206
- Winter rations for beef cattle, 208
- Workers on Midwest farms (table), 14
- Working capital, as a resource, 64, 66