

1973 Fact Sheet Index in Numerical Order

OSU Extension Facts

Published by Oklahoma State University

Distributed Through County Extension Offices

Agricultural Economics

- 100 SW Oklahoma Wheat Costs and Returns Budgets 3-73
- 104 Stocker Cattle Costs and Returns 10-70
- 105 Economics of Winter Pasture 10-68
- 107 Profit From a Buy-Sell Stocker Cattle Program 5-68
- 109 Native Pecan Production Costs and Returns 7-67
- 110 Peanuts - Costs and Returns 7-68
- 111 Fertilizing For Profit-Basic Principles 6-68
- 112 Costs and Returns to Beef Cow-Calf Systems 2-69
- 113 Dairy Costs and Returns 10-68
- 114 Alfalfa Costs and Returns 2-70
- 115 Board of Director Practices for Grain Firms 8-70
- 119 Renting Winter Pastures 1-67
- 121 The Oklahoma Farm Lease Agreement 7-69
- 122 Types of Farm Business Organizations 8-68
- 123 Livestock Share Arrangements 9-72
- 124 Costs and Returns in Controlling Sand Sage 6-69
- 125 Custom Rates for Tillage and Spring Jobs 3-72
- 126 Custom Work Rates - Summer and Fall 3-72
- 300 File It and Find It 3-67
- 301 Computers and Farm Records 5-70
- 400 "Sick" Wheat—A Major Storage Problem 11-70
- 401 The Clean Wheat Program 11-70
- 402 Marketing 'Pink' or Treated Wheat 12-65
- 403 Futures Trading in Live Hogs 11-66
- 405 Grain Marketing at Country Elevators 11-70
- 406 Grain Marketing at Terminal Elevators 6-70
- 407 Marketing Grain in Oklahoma 3-68
- 408 Flour Milling in Oklahoma 6-70
- 409 Our Daily Bread 4-70
- 411 Wheat Kernel Damage and Special Grades 9-68
- 412 General Wheat Grading Factors 10-68
- 413 Farmer's Share of the Consumer Dollar 10-68
- 415 Expected Returns From Hedged Storage of Wheat 9-70
- 416 U.S. Slaughter Cattle Grades-Quality and Yield 9-70
- 417 U.S. Grades for Feeder Cattle 9-70
- 418 Departmental Activities in Country Grain Elevators 10-70
- 419 Guides to Hedging of Fed Cattle 10-70
- 421 Needed: Coordination Between Feeder and Packer 4-71
- 422 Southern Grain Marketing Industry — Wheat and Flour 12-71
- 423 Southern Grain Marketing Industry — Feed Grains 12-71
- 424 Southern Grain Marketing Industry — Storage Utilization 12-71
- 701 My Insurance Program 7-71
- 702 Credit Cost Computation 4-68
- 703 Farm Income Tax Management 9-72
- 705 Investing the Family's Savings 8-70
- 706 Mutual Funds 8-70
- 707 Cash Flow Planning - Why? 10-71
- 708 Cash Flow Planning - How? 10-71
- 709 Highlights of Oklahoma's New Income Tax Law 10-71
- 710 Reducing Farm Estate Settlement Costs 10-71
- 711 Financial Records: The Net Worth Statement 3-72
- 712 Financial Ratios for Agri-Business Firms 9-72
- 713 Cash Flow Considerations in Financing Investments 9-72
- 803 Agricultural Trends in Oklahoma 2-67
- 805 Community Resource Development 11-69
- 806 Parliamentary Procedure 1-69
- 810 Why Planning and Zoning 11-72
- 811 Planning for Rural Industry 2-73
- 812 Establishing Overnight Campgrounds 11-72
- 813 Community Sewer and Water Systems 9-70

- 814 Liability Aspects of Outdoor Recreation 9-70
- 816 Earth-Orbiting Satellites Will Change Agriculture 2-70
- 817 Solid Waste Management by Landfill 3-71
- 818 Evaluating the Opportunities and Problems of Merger 8-71
- 819 Costs of Solid Waste Collection 2-73

Agricultural Engineering

- 1005 Tips on Combining Soybeans 11-68
- 1008 Barns and Stack Covers for Hay Storage 6-72
- 1202 Planning for Irrigation 7-68
- 1203 Reducing Drift of Spray Droplets 2-71
- 1204 Comparative Fuel Costs for Irrigation Pumping 11-69
- 1205 Handling Quality Peanuts at Harvest 10-70
- 1206 Precision Calibration of a Sprayer 1-70
- 1207 Managing Center-Pivot, Self-Propelled Sprinkler Systems 12-71
- 1400 Feedlot Lighting 5-70
- 1500 Irrigation Water Rights 10-70
- 1501 Water Measurement Units and Conversion Factors 4-70
- 1502 Irrigation Water Measurement 6-70
- 1503 Graphic Solution of Furrow Irrigation Problems 11-70
- 1504 Selecting Sprinkler Nozzles by Graphic Means 3-71
- 1650 Improving Farm Water Quality 10-68
- 1651 Pointers on Water Well Sanitation 6-71
- 1652 Noise Control in the Home 5-71
- 1653 Filtering and Treating Surface Water 11-72
- 1655 Lawn, Garden and Small Plot Irrigation 2-73
- 1700 Legal Aspects of Odor and Dust from Feedlots 8-72
- 1701 Swine Manure Management 10-72

Agronomy

- 2000 Broomcorn Production in Oklahoma 3-66
- 2002 Forage Production from Small Grain, '71-'72 9-72
- 2003 Plant Analyses 12-72
- 2004 Guar Production in Oklahoma 8-68
- 2005 Soybean Production in Oklahoma 5-66
- 2006 '72 Oat Performance in Oklahoma 9-72
- 2007 Current Report - Oklahoma Soybean Seed-How Good? 4-67
- 2008 Peanut Production Guidelines 5-67
- 2009 WGF a Grain Sorghum for Game Birds
- 2010 Guide to Crop Varieties in Oklahoma 9-67
- 2011 '72 Barley Performance in Oklahoma 9-72
- 2012 Spring Freeze Injury to Winter Wheat, CR 4-73
- 2013 Wheat Varieties for Oklahoma 3-69
- 2014 Establishing Alfalfa Stands in Oklahoma 10-67
- 2015 Alfalfa Management 10-68
- 2016 Current Report - Results of Petroleum Products on Crops and Soils 10-68
- 2017 Over-Seeding Small Grains in Bermudagrass Sod 1-69
- 2018 Barley and Oat Varieties for Oklahoma 8-69
- 2019 Producing Seed of Morpa Weeping Lovegrass 6-71
- 2020 Barley Production and Utilization in Oklahoma 8-71
- 2024 Wheat Production in Oklahoma 10-71
- 2025 Growing Rye in Oklahoma 10-71
- 2026 Winter Field Peas 10-71
- 2027 Producing Seed of Plains Bluestem 1-72
- 2028 Alfalfa Harvest Management 2-72
- 2029 Alfalfa Variety Tests 1-72
- 2030 Wheat Performance in Oklahoma 1972 8-72
- 2031 Sudangrass and Sudangrass Hybrids 9-72
- 2202 Pastures on Enders-Hector-Linker Soils 2-68
- 2203 Managing Darnell-Stephenville Mapping Unit 3-68
- 2204 Clearing Ennis-Verdigris (Broken) Soils 4-68
- 2205 Fertilizing Alfalfa 5-68

- 2206 Fertilizing Bermudagrass 6-68
- 2207 Testing Soil for Fertilizer Needs 4-68
- 2208 Interpreting Soil Test Results 1-73
- 2210 Use of Fertilizer on Cotton 6-68
- 2211 Soil Acidity-Its Causes, Effects and Nature 1-70
- 2213 Base Fertilizer Use on Potential Yields 9-68
- 2215 Adjusting Fertilizer Rates for Variable Weather 7-68
- 2216 Fertilizer Use on Grain Sorghum 7-68
- 2217 Fertilizer Use on Wheat 7-68
- 2218 The Influence of Soil on Fertilizer Use 8-68
- 2219 Use of Fertilizer on Peanuts 3-71
- 2220 Use of Fertilizer on Soybeans 11-69
- 2221 Know Your Fertilizer-Major Elements 1-69
- 2222 Know Your Fertilizer-Secondary and Micronutrients 1-69
- 2223 Fertilizer Use on Corn 1-69
- 2224 Fertilizer Use on Mungbeans, Cowpeas and Guar 8-69
- 2225 Fertilizer Recommendation Guide 7-71
- 2226 Reclamation of Saline and Alkaline Soils 10-71
- 2401 Classification of Irrigation Water 6-71
- 2402 Standards for Sprinkler Irrigation Equipment 11-67
- 2403 Planning Sprinkler Irrigation 4-66
- 2404 Irrigation Water Qualities 6-71
- 2405 Fertilizer Application in Irrigation Water 7-72
- 2550 Harvesting Bermudagrass Roots and Sod 11-68
- 2551 Establishing Bermudagrass 11-68
- 2552 Bermuda Pasture Systems for Oklahoma 11-68
- 2553 Bermudagrass for Hay 11-68
- 2554 Growing a Bermudagrass Nursery 11-68
- 2555 A Cow-Calf Program on Bermuda 11-68
- 2556 Converting Brush to Tall Fescue 4-73
- 2557 Alfalfa-Bromegrass Irrigated Pastures 11-69
- 2558 Grazing Weeping Lovegrass 4-70
- 2559 Tall Fescue Establishment 12-71
- 2560 Rapid Establishment of Midland Bermudagrass 6-72
- 2561 Field Cured Forage Sorghums for Wintering Cattle 10-72
- 2562 Plains Bluestem, Establishment and Management 4-73
- 2650 Turfgrass Varieties for Oklahoma 8-72
- 2651 Turf Management on Football Fields 11-72
- 2652 Weed Control in Turf 3-73
- 2653 Turf Management on Home Lawns 11-72
- 2750 Safe and Effective Chemical Weed Control 1-68
- 2750 New Herbicides Supplement CR
- 2751 Weed Control in Crops, 1972 3-72
- 2752 Weed Control in Soybeans 5-73
- 2753 Johnsongrass Control in Oklahoma 12-69
- 2754 Weed and Brush Control on Grasslands, 1968 1-68
- 2755 Bindweed Control on Cropland 1-70
- 2756 Weed Control in Bermudagrass 6-71
- 2757 Weed Control in Corn 1-70
- 2759 Chemical Weed Control in Peanuts 1-70
- 2760 Mesquite Control in Oklahoma 12-69
- 2761 Chemical Weed Control in Alfalfa 1-70
- 2762 Chemical Weed Control in Cotton 3-73
- 2763 Chemical Weed Control in Grain Sorghum 5-73
- 2764 Controlling Sand Sage in Western Oklahoma 12-69
- 2765 Controlling Shinnery Oak in Western Oklahoma 12-69
- 2768 Factors Affecting Herbicide Performance 6-71
- 2769 Susceptibility of Some Weed Species to Herbicides 6-71
- 2770 Weed Control in Winter Wheat 11-72
- 2853 Grassland Management After Fire 11-67
- 2854 Controlled Burning for Range Improvement 1-73
- 2906 Residue Management for Wheat 8-67
- 2907 Machines for Residue Management in Wheat 8-67

Animal Science

- 3000 Creep Feeding Beef Calves 8-70
- 3001 Uses and Limits of Urea for Cows and Stockers 3-70
- 3002 Protein Supplement Guide for Beef Cattle 2-68
- 3004 Winter Feeding the Beef Cow 2-68
- 3005 Vitamins for Range Cow and Stocker Operations 2-69
- 3006 Comparing Costs of Protein Supplement 1-72
- 3007 Animal Problems in Grazing Wheat 9-72
- 3250 Freeze Branding Cattle 3-69
- 3255 Livestock Branding in Oklahoma 7-70
- 3350 Controlling Leptospirosis 9-69
- 3352 How to Use Anaplasmosis Vaccine 10-68
- 3353 Beef Cattle Diseases, Prevention and Treatment 8-70
- 3354 Current Report - Brucellosis 6-70
- 3355 Current Report - Brucellosis: Buyers and Sellers Guide 6-70
- 3500 Swine Nutrition 9-68

- 3501 Formulating Swine Rations 5-69
- 3502 Feedstuff Composition for Swine Rations 9-69
- 3601 Swine Selection Guidelines 8-71
- 3602 How to Conduct a Backfat Probe in Live Hogs 6-71
- 3603 Crossbreeding of Swine 6-71
- 3650 Managing the Sow and Litter 8-71
- 3651 Managing the Herd Boar 8-71
- 3652 A Guide to Swine Herd Health 6-71
- 3653 Management and Nutrition of the Bred Gilt and Sow 8-69
- 3654 Feed Management of Growing-Finishing Swine 9-70
- 3655 Pasture Cooling for Bred Sows 12-71
- 3656 Buying and Managing Feeder Pigs 5-73
- 3750 Feeding the Ewe Flock 10-71
- 3850 A Sheep Production Calendar 10-66
- 3851 Ewes for Fall Lambing 6-66
- 3950 Preparing Wool for Market 6-66
- 3990 Oklahoma & National Livestock & Dairy Directory 5-69
- 3991 Estrus Synchronization in Farm Animals 3-70

Dairy

- 4000 Oklahoma Forage and Grain Testing Program 8-68
- 4001 Best Dairy Feed Buys 5-68
- 4002 Nutrient Requirements and Feed Composition Data 4-71
- 4004 Feeding Dairy Replacement Heifers 2-71
- 4005 Management of Dairy Replacement Heifers 11-72
- 4006 Housing for Dairy Replacement Heifers 9-68
- 4007 Minerals for Dairy Cattle 12-67
- 4008 Alfalfa Hay for Dairy and Beef Cattle 8-69
- 4009 Evaluating Feeds for the Dairy Ration 12-72
- 4150 Artificial Breeding of Dairy Cattle 5-66
- 4152 Selection of A.I. Sires for the Dairy Herd 6-71
- 4153 Reproductive Efficiency in Dairy Cattle 10-70
- 4250 Dairy Building Investments 9-65
- 4251 Oklahoma Quality Milk Program 5-69
- 4252 Proper Milking Procedure 5-66
- 4253 Cleaning and Sanitizing Your Milkline and Bulk Tank 11-72
- 4254 Sanitation and Quality Milk 6-69
- 4255 Dairy Farm Facilities and Equipment 6-69
- 4256 Factors Influencing Butterfat Tests 6-71
- 4257 Requirements for Milking Plants 6-72
- 4258 Controlling High Bacteria Counts in Milk 6-72
- 4350 Detecting and Controlling Mastitis 4-70
- 4351 Mastitis Control - Teat Dipping, Dry Cow Therapy 3-71
- 4401 Cause of Off-Flavor Milk 6-66

Forestry

- 5000 Forestry Assistance to Woodland Owners 10-65
- 5001 Growing Christmas Trees in Oklahoma 7-69
- 5002 Care and Planting of Pine Seedlings 9-68
- 5003 Judging Quality in Fence Posts 12-72
- 5004 Pricing Logs by Volume Measurement 7-69
- 5005 Postlots for Oklahoma 7-69
- 5006 Planting and Maintaining a Postlot 9-68
- 5007 Harvesting Postlots 1-69
- 5008 Selecting Windbreak Planting 3-71
- 5009 Preparing Land for Windbreak Planting 3-71
- 5010 Placing Windbreak Trees and Shrubs 3-71
- 5011 Windbreak Protection for Farmsteads and Crops 3-71
- 5012 Caring for Windbreak Plantings 3-71
- 5013 Protect Windbreak Tree Plantings 3-71
- 5014 Managing Windbreak Tree Plantings 3-71
- 5015 Farm Woodland Improvement 8-67
- 5016 Cottonwood as a Crop in Oklahoma 6-68
- 5017 Marketing Walnut Trees and Logs 12-72
- 5018 Treating Posts and Lumber with Pentachlorophenol 4-73
- 5019 Need to Burn Debris? Burn Within the Law 4-73

Horticulture

- 6000 Fertilizer Recommendations for Truck Crops 11-69
- 6001 Growing and Handling Sweet Potato Plants 6-71
- 6002 Harvesting and Handling Sweet Potatoes 10-66
- 6003 Tips on Growing Greenhouse Tomatoes 8-71
- 6004 Oklahoma Garden Planning Guide 3-71
- 6005 Mulching Vegetable Garden Soils 6-70
- 6006 Commercial Fertilizer Use in Home Gardens 11-69
- 6007 Improving Garden Soil Fertility 6-70

- 6008 Weed Control in Horticultural Crops 2-70
- 6009 Fall Gardening 10-71
- 6010 Which Fertilizer for Horticultural Crops? 10-71
- 6200 A Calendar for Pecan Growers 2-73
- 6201 Pecan Varieties for Oklahoma 6-70
- 6202 Pecan Grafts and Propagation Wood 6-70
- 6203 Using Pasture in Pecan Orchards 4-70
- 6204 Bark Grafting Pecans 4-70
- 6205 Splice and Tongue Grafting Pecans 4-70
- 6206 Patch Budding Pecans 4-70
- 6207 Starting Pecan Trees 4-67
- 6208 Improving Native Pecan Groves 6-70
- 6209 1973 Pecan Insect-Disease Control 2-73
- 6210 Recommended Apple and Peach Varieties 11-72
- 6211 Propagation of Fruit and Nuts by Seed 5-69
- 6219 Fruit Tree Disease-Insect Control 3-73
- 6221 Grape-Blackberry Pest Control 4-73
- 6223 Home Fruit and Ornamental Pest Control 3-72
- 6224 French Hybrid Grapes for Oklahoma 5-68
- 6225 History of French Hybrid Grapes 11-69
- 6226 Fertilizing Fruit Plants 8-71
- 6227 Propagating Peaches by "T" Budding 9-68
- 6228 Annual Pruning of Fruit Trees 12-68
- 6229 Pollination Requirements for Fruits and Nuts 12-68
- 6400 Roses in the Landscape 5-69
- 6402 Pruning Ornamental Trees and Shrubs 5-69
- 6403 Rose Culture in Oklahoma 1-67
- 6404 Winter Protection for Landscape Plantings 9-68
- 6406 Planting Trees and Shrubs 2-66
- 6407 Flower Arrangements 4-71
- 6408 Landscape Maintenance Schedule 2-69

Insects and Diseases

- 7000 Beef Cattle Parasite Controls 12-69
- 7001 Common Ticks of Oklahoma 1-70
- 7002 Lone Star Tick Control in Recreation Areas 8-70
- 7003 Dust Bags for Cattle Insect Control 7-72
- 7004 External Poultry Parasite Controls 12-69
- 7005 Sheep and Goat Insect Pest Control 12-69
- 7150 Alfalfa Insect Control 12-69
- 7151 Strip Cropping Cotton and Sorghum for Bollworm Control, CR 4-73
- 7152 Texas Harvester Ant 1-68
- 7153 Identifying Oklahoma Cotton Pests 1-70
- 7154 Worm Pests of Oklahoma Cotton 3-71
- 7155 Nectar and Pollen Plants of Oklahoma 1-68
- 7156 Field Key to Larvae in Soybeans 4-71
- 7157 Field Key to Larvae in Sorghums 4-71
- 7158 Field Key to Larvae in Peanuts 4-71

- 7159 Field Key to Larvae in Alfalfa 4-70
- 7160 Field Key to Larvae in Corn 3-70
- 7161 Field Key to Larvae in Cotton 1-70
- 7162 1972 Cotton Insect Control in Oklahoma 2-72
- 7163 Field Key to Larvae on Pecans 1-70
- 7164 Field Key to Beetles in Pines 4-71
- 7166 Control of Alfalfa Weevil in Oklahoma 3-73
- 7300 The Brown Recluse Spider 1-70
- 7302 Ant Control in Oklahoma 1-70
- 7304 Identifying the Puss Caterpillar 1-68
- 7306 Ornamental Plant Insect Control 11-70
- 7310 Pests of Ornamental Shrubs and Trees 12-67
- 7311 Miscellaneous Home Pests 12-67
- 7450 Pesticides Can Be Used Safely 9-65
- 7454 Check Your Pesticide Labels 9-65
- 7600 Chemical Control of Pecan Scab 4-71
- 7601 Fungus Diseases of Roses and Iris 1-70
- 7603 Root-Knot and Lesion Nematodes in Peanuts 1-70

Poultry

- 8000 Use of Wheat in Poultry Rations 10-65
- 8001 Grain Sorghums in Commercial Poultry Rations 10-65
- 8100 Artificial Incubation 4-71
- 8200 Disposal Pits and Incinerators for Poultry 10-65
- 8201 Lighting for Increased Egg Production 10-65
- 8202 Table Egg Production 10-65

Wildlife

- 9000 Clearing Muddy Fish Ponds 4-69
- 9001 Controlling Pocket Gophers 4-69
- 9002 Catfish Farming 10-70
- 9003 Economics of Fee Fishing Ponds 10-70

Miscellaneous

- 9400 Plan Now for Rural Fire Protection 3-67
- 9401 Emergency Shelter in Oklahoma 8-66
- 9402 Portable Fire Extinguishers and Their Use 7-66
- 9403 Tips on Resort Development 4-68
- 9404 Keeping Warm in an Emergency 12-66
- 9405 Weights, Measures and Miscellaneous Facts 8-70
- 9406 Soil Considerations in Home Site Selections 11-72
- 9407 Legal Land Descriptions in Oklahoma 1-72
- 9408 Anchor Your Mobile Home 4-72
- 9409 The Oil and Gas Lease 3-73

1973 Fact Sheet Index in Alphabetical Order

Adjusting fertilizer rates for variable weather	2215	Bark grafting pecans	6204
Agricultural trends	803	Barley and oat varieties	2018
Alfalfa		Barn, pole	1000
bromegrass irrigated pastures	2557	Base fertilizer usage on potential yields	2213
chemical weed control	2761	Basic principles—fertilizing for profit	111
costs and returns	114	Beef cattle	
establishing stands in Oklahoma	2014	alfalfa hay for dairy and anaplasmosis vaccine	4008
fertilizing	2205	associations directory	3352
field key to larvae in	7159	branding (cold method)	3250
hay for dairy and beef cattle	4008	controlling leptospirosis	3350
henbit and mustard control in insect control	2758	coordination between feeder, packer	421
management	2015	cow-calf costs and returns	112
Anaplasmosis		cow-calves on bermuda creepfeeding	2555
use of vaccine	3352	disease, prevention and treatment	3000
Ant		estrus synchronization	3353
control	7302	feedlot mechanization	3991
the Texas harvester	7152	forage and grain testing	1220
Annual pruning of fruit trees	6228	grades, feeder cattle	4000
Apple		grazing steers on bermuda	417
pest control	6220	hedging of fed cattle	2556
recommended varieties	6210	parasite controls	419
Apricot pest control	6222	planning guide for facilities	7000
Artificial breeding, dairy cattle	4150	protein supplement guide	1007
Artificial incubation	8100	slaughter grades	3002
Associations			416
livestock directory	3990		

stocker costs and returns	104	Controlling	
uses and limits of urea for cows	3001	ant	7302
vitamin A in feeding	3005	apple-pear pests	6220
winter feeding	3004	beef cattle parasite	7000
Beetles, in pines	7164	bindweed	2755
Bermudagrass		burning for ranges	2854
cow-calf program on	2555	cotton insect	7162
establishing	2551	grape, cherry pests	6221
fertilizing	2206	gophers, pocket	9001
for hay	2553	henbit in wheat and alfalfa	2758
growing a nursery	2554	home fruit and ornamental pests	6223
harvesting roots and sod	2550	johnsongrass	2753
over-seeding small grains	2017	leptospirosis	3350
pasture systems	2552	lone star tick	7002
weed control in	2756	mastitis	4350
Best dairy feed buy	4001	mesquite	2760
Bindweed control	2755	mustard in wheat and alfalfa	2758
Bluestem, Plains		nematode in peanuts	7165
Establishment & Management	2562	noise in the home	1652
Branding (cold method)	3250	post oak-blackjack	2850
livestock	3255	poultry, external parasites	7004
Bread, our daily	409	sand sage, costs and returns	124
Bred gilt and sow management	3653	shinnery oak in W. Oklahoma	2765
Breeding		weed and brush on grasslands	2754
artificially	4150	weeds in bermudagrass	2756
Bromegrass pastures	2557	weeds in corn	2757
Broomcorn production	2000	weeds in horticulture crops	6008
Brown spider	7300	weeds in peanuts	2759
Brucellosis	3354	weeds in turf	2652
Buyers and sellers guide	3355	Corn	
Brush control in grasslands	2754	fertilizer use in	2223
Buildings		field key to larvae in	7160
dairy investments	4250	southern corn blight	7604
plan services	1004	weed control	2757
Burning ranges for improvement	2854	Costs and returns	
Buy-sell stocker program	107	alfalfa	114
Buying and managing feeder pigs	3656	beef cows and calves	112
Calendar		controlling sand sage	124
for pecan growers	6200	dairy	113
for sheep producers	3850	native pecan production	109
Calves		peanuts	110
creepfeeding beef	3000	small grain pasture	105
Campgrounds, establishing transient	812	stocker cattle	104
Capacity		wheat, SW Oklahoma	100
estimating for hay storage	1002	Cotton	
Care		1970	128
of pine seedlings	5002	chemical weed control in	2762
windbreak plantings	5012	field key to larvae in	7161
Caterpillar, identifying the puss	7304	identifying cotton pests	7153
Catfish farming	9002	insect control in Oklahoma	7162
Check pesticide labels	7454	pre-plant weed control	2757
Chemicals		use of fertilizer on	2210
control of pecan scab	7600	worm pests of	7154
cotton insect control	7162	Cottonwood as a crop in Oklahoma	5016
weed control	2751	Cow-calf program on bermuda	2555
weed control of alfalfa	2761	Cowpeas, use of fertilizer	2224
weed control in grain sorghum	2763	Credit	
weed control in horticulture	6008	cost computation	702
Cherry grape pest control	6221	Creepfeeding	3000
Christmas trees	5001	Crop varieties, guide to	2010
Classification of irrigation water	2401	Crossbreeding	
Cleaning and sanitizing your milklane		swine	3603
and bulk tank	4253	Custom rates for tillage and	
Clearing		spring jobs	125
ennis-verdigris (broken) soils	2204	summer and fall	126
muddy ponds	9000	Dairy	
Combining soybeans	1005	alfalfa hay for dairy cattle	4008
Commercial		anaplasmosis vaccine	3352
garden fertilizer	6006	artificial breeding	4150
grain sorghum in poultry rations	8001	best dairy feed buys	4001
Common ticks of Oklahoma	7001	building investments	4250
Community		butterfat tests, factors	4256
resource development	805	cleaning milklines	4253
sewer-water systems	813	costs and returns	113
Comparative fuel costs for		directory	3990
irrigation pumping	1204	farm facilities and equipment	4255
Computing		feeding dairy replacement heifers	4004
credit costs	702	forage and grain testing	4000
farm records	301	housing for replacement heifers	4006
Conservation		leptospirosis	3350
measuring stubble residue	2907	management of replacement heifers	4005
stubble mulching	2906	mastitis	4350
Consumer's dollar		control	4351
farmer's share of	413	milk, cause of off-flavors	4001

minerals for	4007	usage on potential yield	2213
nutrient requirements	4002	use on corn	2223
reproductive efficiency in	4153	use on cotton	2210
quality milk	4254	use on grain sorghum	2216
selecting sires	4152	use on mungbeans, cowpeas, guar	2224
Diseases		use on peanuts	2219
anaplasmosis	3352	use on soybeans	2220
beef cattle, prevention and		use on wheat	2217
treatment	3353	which for horticultural crops	6010
fungus of roses and iris	7601	Field key to beetles in pines	7164
leptospirosis	3350	Field key to larvae in	
mastitis	4350	alfalfa	7159
pecan insect-disease control	6209	corn	7160
swine herd health	3652	cotton	7161
Disposal pits for poultry	8200	peanuts	7158
Economics		pecans	7163
cost in controlling sand sage	124	sorghums	7157
of winter pasture	105	soybeans	7156
Eggs		File it and find it	300
lighting for production	8201	Fire extinguishers	9402
table egg production	8202	Fire protection	9400
Elevators		Fish ponds	
country	405	catfish farming	9002
departmental activities	418	clearing muddy ponds	9000
terminal	406	economics of fee fishing	9003
Emergency		Flour milling	408
keeping warm	9404	Flower arrangements	6407
shelters	9401	Football fields, managing turf	2651
Establishing		Forage and grain testing	4000
alfalfa stands in Oklahoma	2014	Forestry	
bermudagrass	2551	assistance to owners	5000
Plains Bluestem	2562	care of pine seedlings	5002
transient campgrounds	812	farm woodland improvement	5015
Estimating hay storage capacity	1002	growing Christmas trees	5001
Estrus synchronization	3991	Formulating swine rations	3501
Ewes for fall lambing	3851	Freeze branding cattle	3250
External poultry parasites	7004	French hybrid grapes	6224
Fall gardening	6009	history of	6225
Fall lambing, ewes	3851	Fruit	
Farm		pest control	6223
business organization types	122	plant fertilization	6226
computers and farm records	301	pollination requirements for	6229
income tax management	703	propagation of fruit and nuts	6211
lease agreement	121	trees, annual pruning of	6228
plan services	1004	Fungus diseases of roses and iris	7601
water quality improvement	1650	Futures trading in live hogs	403
woodland improvement	5015	Garden	
Farmer's share, consumer dollar	413	commercial fertilizers in	6006
Feed management of growing-		fall	6009
finishing swine	3654	improving soil fertility	6007
Feeds		mulching soils	6005
best dairy feed buys	4001	planning guide	6004
composition of swine rations	3501	General wheat grazing factors	412
creepfeeding	3000	Goat insect control	7005
forage and grain testing	4000	Gophers, controlling pocket	9001
formulating swine rations	3501	Grafting	
grain program provisions	129	bark	6204
grain sorghum for poultry	8001	patch budding	6206
hay for dairy and beef cattle	4008	propagating peaches, "T" budding	6227
nitrates in feeding	3003	propagation wood for pecans	6202
nutrient requirements and feed		splice and tongue	6205
composition data	4002	Grain marketing	
urea for cows and stockers	3001	at country elevators	405
vitamin A in beef feeding	3005	at terminal elevators	406
wheat in poultry rations	8000	in Oklahoma	407
winter feeding beef cows	3004	Grain sorghum	
Feedstuffs composition for swine	3502	chemical weed control in	2763
rations		feed program provisions	129
Fence posts, judging quality	5003	fertilizer use on	2216
Fertilizer		in poultry rations	8001
adjusting rates for variable		Grapes, French hybrid	6224
weather	2215	history of	6225
for alfalfa	2205	Grape-blackberry pest control	6221
for bermudagrass	2206	Grassland management after fire	2853
for fruit plants	6226	Grazing	
for profit	111	weeping lovegrass	2558
for truck crops	6000	Greenhouse tomatoes	6003
influence of soil on use	2218	Guar production	2004
in home gardens	6006	use of fertilizer	2224
know your major elements	2221	Guide	
know your secondary micro-		Brucellosis: buyers, sellers	3355
nutrients	2222	fertilizer	2225
recommendation guide	2225	Oklahoma garden planning	6004

protein supplement, beef cattle	3002	soybean larvae field key	7156
to crop varieties in Oklahoma	2010	Texas harvester ant	7152
to swine herd health	3652	ticks of Oklahoma	7001
Guidelines		worm pests of cotton	7154
peanut production	2008	Insurance, my program	701
swine selection	3601	Interpreting soil test results	2208
Handling quality peanuts at		Investing family's savings	705
harvest	1205	Investment in dairy buildings	4250
Harvester ant, the Texas	7152	Iris, fungus diseases	7601
Harvesting		Irrigation	
bermuda roots and sod	2550	alfalfa bromegrass pastures	2557
postlots	5007	classification of water	2401
soybeans	1005	comparative fuel costs for	1204
sweet potatoes	6002	irrigation pumping	
Hay		furrow irrigation problems	1503
alfalfa for cattle	4008	planning sprinkler irrigation	2403
bermudagrass for	2553	planning for sprinkler	1202
estimating storage capacity	1002	selecting sprinkler nozzles	1504
Heifers		sprinkler equipment	2402
housing of dairy replacement	4006	water measurement	1502
management of dairy replacement	4005	water quality	2404
Henbit and mustard control	2758	water rights	1500
Herbicides		Johnsongrass control	2753
factors affecting performance	2768	Keeping warm in emergency	9404
susceptibility of some weed species	2769	Know your fertilizer—major	2221
History of French hybrid grapes	6225	elements	
Hogs		Know your fertilizer—secondary	2222
backfat probe in live hogs	3602	micronutrients	
estrus synchronization	3991	Lambs, ewes for fall lambing	3851
feeding, management	3654	Landscape	
futures trading in	403	caring for windbreak plantings	5012
managing bred gilt and sow	3653	maintenance schedule	6408
managing herd boar	3651	placing windbreak trees	5010
managing sow and litter	3650	plant protection in winter	6404
swine breeding checklist	3601	planting trees and shrubs	6406
swine breeding principles	3600	pruning trees and shrubs	6402
swine herd health	3652	roses in the landscape	6400
Home fruit and ornamental pest		selecting windbreak plantings	5008
control	6223	windbreak protection	5011
Home pests, miscellaneous	7311	Larvae in	
Horticulture		alfalfa	7159
chemical weed control	6008	corn	7160
fertilizer for	6010	cotton	7161
Housing		peanuts	7158
for dairy replacement heifers	4006	pecans	7163
How to		sorghum	7157
conduct backfat probe in hogs	3602	soybeans	7156
Hybrids		Lawns, turfgrass varieties	2650
French hybrid grapes	6224	Laws governing chemicals	7456
Improving		Lease	
accuracy of fertilizer rate	2215	agreement	121
farm water quality	1650	Leptospirosis	3350
Improvement of farm woodland	5015	Lighting for egg production	8201
Incinerators and poultry	8200	Lighting, feedlot	1400
Income tax management on farm	703	Livestock	
Influence of soil on fertilizer use	2218	directory	3990
Insects		feeding—nitrates	3003
alfalfa insect control	7150	share arrangements	123
alfalfa larvae field key	7159	Lone star tick control	7002
ant control	7302	Logs, pricing by volume	5004
apple insect control	6220	Machines for residue management	2907
apricot insect control	6222	in wheat	
beef cattle parasites	7000	Maintenance schedule, landscape	6408
brown spider	7300	Management	
cherry insect control	6221	alfalfa	2015
corn larvae field key	7160	farm income tax	703
cotton insect control	7162	machines for residue in wheat	2907
cotton larvae field key	7161	of bred gilt and sow	3653
external poultry parasites	7004	of dairy replacement heifers	4005
goat insect control	7005	of farm income tax	703
grape insect control	6221	of grassland after fire	2853
home fruit pest control	6223	of growing-finishing swine	3654
identifying cotton pests	7153	Plains Bluestem	2562
lone star tick control	7002	residue in wheat	2906
miscellaneous home pests	7311	Managing	
ornamental insect control	7306	cash flow planning—why?	707
peanut larvae field key	7158	cash flow planning—how?	708
pecan insect control	6209	Darnell-Stephenville soils	2203
pests of trees and shrubs	7310	football field turfs	2651
plum insect control	6222	herd boar	3651
puss caterpillar	7304	solid waste by landfill	817
sheep and goat insect control	7005		
sorghum larvae field key	7157		

sow and litter	3650	production guidelines	2008
water conservation	2900	root-knot and lesion nematodes	7603
windbreak tree plantings	5014	weed control	2759
Marketing		Pear pest control	6220
grain at country elevators	405	Peas, winter field	2026
grain at terminal elevators	406	Pecans	
grain in Oklahoma	407	bark grafting	6204
hogs	403	calendar for growers	6200
logs	5004	control of pecan scab	7600
"pink" or treated wheat	402	field key to larvae on	7163
walnut trees and logs	5017	grafts and propagation wood	6202
wool production	3950	improving pecan groves	6208
Mastitis	4350	insect-disease control	6209
Meadows, managing native	2852	pasture for pecan orchards	6203
Merger, opportunities and problems	818	patch budding	6206
Mesquite control	2760	production costs and returns	109
Milk		splice and tongue grafting	6205
cause of off-flavors	4401	starting trees	6207
quality milk program	4251	varieties for Oklahoma	6201
sanitation and quality milk	4254	Pest control	
Milking procedures	4252	apple	6220
Milling, flour in Oklahoma	408	apricot	6222
Minerals for dairy cattle	4007	cherry	6221
Miscellaneous home pests	7311	cotton insect control	7162
Mulching garden soils	6005	goat	7005
Mungbean, use of fertilizer	2224	grape	6221
Mustard control in wheat, alfalfa	2758	home fruit and ornamental	6223
Mutual funds	706	identifying cotton pests	7153
My insurance program	701	ornamental	6223
Native grass		peach	6222
managing native pastures	2851	pear	6220
post oak-blackjack control in	2850	pecan	6209
Native pecan		plum	6222
improving groves	6208	sheep	7005
production	109	worm pests of cotton	7154
Nectar and pollen plants	7155	Pesticides	
Nematodes in peanuts	7603	can be used safely	7450
Nematode control in peanuts	7165	labels	7454
Nitrates in livestock feeding	3003	laws governing	7456
Noise control in the home	1652	Pests	
Nursery, bermudagrass	2554	miscellaneous home	7311
Nutrition		ornamentals	7310
management of the bred gilt		Petroleum products on crops, soils	2016
and sow	3653	Pine	
requirements	4002	field key to beetles in	7164
swine	3500	seedlings	5002
Nuts		Placing windbreak trees and shrubs	5010
pollination requirements for	6229	Plan	
propagation by seed	6211	for irrigation	1202
Oklahoma quality milk program	4251	for pole barn	1000
Organizations		for rural fire protection	9400
types of farm business	122	services, aid to proper planning	1004
Ornamental plants		sprinkler irrigation	2403
insect control	7306	Planning	
pest control	6223	cash flow—why?	707
pests of shrubs and trees	7310	cash flow—how?	708
Our daily bread	409	guide for beef cattle facilities	1007
Our soil and its care	2901	guide for Oklahoma garden	6004
Outdoor recreation, liability aspects	814	rural industry	811
Overseeding small grains	2701	zoning	810
Parliamentary procedure	806	Planting	
Parasite controls		pine seedlings	5002
beef cattle	7000	postlot, and maintaining	5006
poultry, external parasites	7004	preparing land for windbreak	5009
Pastures		trees and shrubs	6406
alfalfa-bromegrass irrigated	2557	windbreak trees and shrubs	5010
bermudagrass systems	2552	Plantings	
cow-calf program on bermuda	2555	caring for windbreak	5012
economics of winter pasture	105	managing windbreak tree	5014
grazing steers on bermuda	2556	protect windbreak tree	5013
in pecan orchards	6203	selecting windbreak	5008
on enders-hector-linker soils	2202	winter protection for landscape	6404
renting winter pasture	119	Plum pest control	6222
Peaches		Pollen plants	7155
pest control	6222	Pollination requirements for	6229
propagating by "T" budding	6227	fruits and nuts	
varieties recommended	6210	Ponds	
Peanuts		clearing of muddy	9000
costs and returns	110	economics of fee fishing	9003
fertilizer on	2219	Portable fire extinguishers	9402
field key to larvae in	7158	Postlot	
handling at harvest	1205	for Oklahoma	5005
		harvesting	5007
		planting	5006

Posts		estrus synchronization	3991
judging quality in fence	5003	ewes for fall lambing	3851
Poultry		production calendar	3850
artificial incubation	8100	sheep and goat insects	7005
disposal pits and incinerators	8200	wool for market	3950
external parasites of	7004	Shelters	
grain sorghum rations	8001	emergency	9401
lighting for production	8201	winter ventilation for swine	1003
table egg production	8202	Shinnery oak in W. Oklahoma	2765
wheat in rations	8000	Shrubs	
Preparing		pests of ornamental	7310
land for windbreaks	5009	placing windbreak	5010
wool for market	3950	planting	6406
Profit from a buy-sell stocker		pruning	6402
cattle program	107	winter protection	6404
Propagating peaches by "T" budding	6227	Small grain	
Propagation of fruit and nuts by seed	6211	barley and oat varieties	2018
Protection		barley production and utilization	2020
rural fire	9400	growing rye in Oklahoma	2025
windbreaks for farmsteads	5011	over-seeding in bermudagrass sod	2017
winter protection of landscape	6404	pasture costs and returns	105
Protein supplement guide for beef		wheat production in Oklahoma	2024
cattle	3002	Soil	
Pruning		acidity—its causes, effects and	
annual of fruit trees	6228	nature	2211
shrubs and trees	6402	clearing Ennis-Verdigris	2204
Puss caterpillar	7304	Darnell-Stephenville, managing	2203
Quality		fertilizer needs	2207
judging in fence posts	5003	improving garden fertility	6007
improving farm water	1650	influence of soil on fertilizer use	2218
irrigation water	2404	interpreting test results	2208
milk program	4251	mulching vegetable garden	6005
Oklahoma soybean seed	2007	stubble mulching	2906
Range management		Solid waste management	817
controlled burning	2854	Sorghums	
Rations		grain in commercial poultry rations	8001
best dairy feed buys	4001	larvae in	7157
creepfeeding calves	3000	Soybean	
feedstuff composition for swine	3502	larvae in	7156
formulating swine rations	3501	production	2005
grain sorghum for poultry	8001	seed in Oklahoma	2007
nutrient requirements	4002	tips on combining	1005
vitamin A in beef feeding	3005	use of fertilizer on	2220
wheat in poultry rations	8000	weed control in	2752
winter feeding beef cows	3004	Spider, brown recluse	7300
Recommended apple and peach	6210	Spray	
varieties		precision calibration	1206
Records		reducing drift of droplets	1203
computers for farm records	301	Stocker cattle	
file it and find it	300	buy-sell program	107
Renting winter pastures	119	costs and returns	104
Resort development tips	9403	uses and limits of urea for	3001
Resource development	805	Storage	
Results of petroleum products on		estimating hay storage capacity	1002
crops and soils	2016	"sick" wheat—a major problem	400
Root-knot and lesion nematodes in		Stubble mulching	
peanuts	7603	for wheat	2906
Roses		measuring residue	2907
culture	6403	Sweet potatoes	
fungus diseases of	7601	growing plants	6001
in the landscape	6400	harvesting and handling	6002
Rural		Swine	
fire protection	9400	association directory	3990
planning for industry	811	bred gilt and sow management	3653
Sand sage control, costs, returns	124	breeding checklist	3601
Sanitation		crossbreeding	3603
waterwell	1651	estrus synchronization	3991
quality milk	4254	feeding and management of	
Satellites, change agriculture	816	growing-finishing	3654
Seed		feedstuffs composition for	
Morpa weeping lovegrass	2019	rations	3502
Oklahoma soybean	2007	formulating rations	3501
propagation of fruit and nuts	6211	futures trading in	403
Selecting windbreak plantings	5008	herd boar management	3651
Selection of A.I. sires for the		leptospirosis	3350
dairy herd	4152	nutrition	3500
Sewer systems	813	selecting guidelines	3601
Share		shelters	1003
farmer's, consumer dollar	413	sow and litter	3650
livestock arrangements	123	swine herd health	3652
Sheep		winter ventilation in shelters	1003
associations	3990	Table egg production	8202

Tax Management		chemical control in alfalfa	2761
farm income	703	chemical control in cotton	2762
Oklahoma income tax law	709	chemical control in grain sorghum	2763
Testing		in bermudagrass	2756
Oklahoma forage and grain soil for fertilizer needs	4000	in corn	2757
Texas harvester ant	2007	in crops	2751
Ticks of Oklahoma	7152	in grasslands	2754
Tips	7001	in horticultural crops	6008
on combining soybeans	1005	in peanuts	2759
on resort development	9403	in soybeans	2752
Tomatoes in the greenhouse	6003	in turf johnsongrass and others	2652
Trees		Weeping lovegrass	2753
annual pruning of fruit	6228	grazing	2558
caring for windbreak plantings	5012	producing seed of Morpa	2019
Christmas	5001	Weights, measures	9405
managing windbreak plantings	5014	Wheat	
marketing walnut	5017	clean wheat	401
pests of ornamental	7310	costs and returns, SW Oklahoma	100
placing windbreaks	5010	fertilizer use on	2217
planting	6406	general grading factors	412
preparing land for planting	5009	hedged storage	415
protect windbreak plantings	5013	henbit and mustard control in	2758
pruning	6402	in poultry rations	8000
starting pecan	6207	kernel damage and special grades	411
windbreak plantings	5014	machines for residue management	2907
windbreak protection	5011	marketing "pink" or treated	402
Truck crops fertilizer	6000	production in Oklahoma	2024
Turf management		sick wheat	400
on football fields	2651	stubble mulching	2906
weed control	2652	varieties	2013
Turfgrass		spring freeze injury to winter	2012
varieties	2650	Which fertilizer for	
U.S. grades, feeder cattle	417	horticultural crops	6010
U.S. slaughter cattle grades	416	Windbreak	
Urea, uses and limits for cows and stockers	3001	caring for plantings	5012
Vaccine for anaplasmosis	3352	managing tree plantings	5014
Varieties		placing trees and shrubs	5010
pecans for Oklahoma	6201	preparing land for plantings	5009
recommended apple and peach	6210	protect tree plantings	5013
turfgrass	2650	protection for farms and crops	5011
wheat	2013	selecting plantings	5008
Vegetable garden soils, mulching	6005	Winter	
Ventilation in winter swine shelter	1003	economics of winter pasture	105
Vitamin A in beef rations	3005	feeding the beef cow	3004
Walnut tree and log marketing	5017	field peas	2026
Water		protection for plants	6404
improving farm quality	1650	renting winter pastures	119
irrigation quality	2404	urea for winter beef cows	3001
irrigation rights	1500	ventilation in swine shelters	1003
measurement units and conversion factors	1501	Woodland	
sewer and water systems	813	cottonwood as a crop	5016
well sanitation	1651	farm woodland improvement	5015
Weed control		forestry assistance to	5000
bindweed	2755	Wool	
		preparing for market	3950
		Worm pests of cotton	7154
		Zoning	
		Why plan and zone	810

