



8/2/15
Agriculture
Experiment Station
Project File, 1925-60

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 - 224, Microorganisms & Dairy Products, 1947
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- 310, Pasture Crops, 1934-59
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 - 383, Dairy Food Products, 1954-58
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 - 1001, Stripped Coal Lands, 1946
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 - 8, Pigmented Corn, 1933
 - 9, Carotene Utilization, 1934-35
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 - 60, Nutritional Status of Man, 1941-45
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 - 102, Flour Fat and Water systems, 1942
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 - 575, Calcium Metabolism, 1945-50
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 - Experiment 10-B, Pigs, Antibiotics, 1951-53
 - Experiment 14-M, Salmonella and paracolon, virulence, 1952-53
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 - Experiment 42-F, Vaccination results, Brucellosis, 1953
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- Project 9, Experiment 2BM, Horses, Anesthesia, 1952
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- Project 7, Parasitic diseases, domestic animals, 1943
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 - Experiment 18, Dog, Neuroanatomy, 1947
 - Experiment 20, Poultry Tablets, test 1, 1947
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 - Experiment 26, Fowl Tissue, 1947-50
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 - Experiment 32, Veterinary Proprietary Remedies, 1947
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 - Experiment 33, Vaccination, Brucellosis, 1947
 - Experiment 34, Animal and Poultry Diseases, 1947-51
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- Experiment 40, Vaccines, Preparation, 1948
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- Experiment 43, Vibrio Coli, pigs, 1950-52
- Project 14-5, Lyophilized cultures, Storage effect, 1946-54
- Project 102, Chronic Respiratory Disease, Resistance, 1953-54
- Project 104, Chickens, Respiratory Diseases, 1954-55
- Project 203, Protozoan Viruses, 1952-54
- Project 105, Illinois Poultry Disease, 1951-54
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- Project 9 (401), Experiment 17, Pig, Pituitary Gland, 1947-53
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 - Project Material, 1943-44, 1945-46
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 - Contract A-1S-33441, Seed Price Studies, 1951-52
 - Contract A-1S-33429, Hog Procurement, 1951-55
 - Contract A-1S-33707, Price movements, 1951-54
 - Contract A-1S-30944, Hedging, Feed Manufacturers, 1948-52
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 Soil Conservation Service, 1937
 1933-38
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 1934-35
 Reports, 1935
 Project Cooperative, School Lunch Measurements, 1941
 Project 25, Illinois Apples, 1936-41

Project Cooperative, Illinois Corn Harvesting, 1929-30
 Land Utilization, 1936-39
 Farm Tenure, 1936-37
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 Project Extension, News & Information Service, 1929-33

Box 6:

Projects Cooperative
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 Research Trust Funds, Agricultural Economics, 1936-55
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 Veterinary Medicine, 1943-55
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 Project Cooperative, Forage, Crops, 1944-53
 Soils, Fertilizers, and irrigation, 1947-
 Project Cooperative #1, Lake Decatur, Sedimentation, 1936-49
 #2, Lake Decatur, Sedimentation Reports, 1937-52
 Project Cooperative, Anterior Pituitary Hormone, 1957-60
 Project Cooperative, #2, Vitamin and Amino Acid Interrelationships, 1950-53
 Project Cooperative #537, Dairy Cattle Breeding, 1949-58
 Project Cooperative, Corn Earworm, 1936-37
 Project Cooperative Agreement, Soybean Oil, Flavor Stability, 1951-53
 Project Cooperative, Home Economics Investigations, 1946-
 Plant Pathology, 1957-
 Memorandum of Agreement, Livestock and Poultry Parasites, 1954-56
 Progress Cooperative, Memorandum of Understanding, 1958
 Food Technology, 1957-59
 Farm Forestry Program, 1940-
 Farm Forestry Program #1
 Farm Woodlands, 1939-41
 Farm Forestry, 1939-41
 Pre Program Cooperative, Memorandum of Agreement, Shelled Corn, 1954-
 Poultry Enterprises on Illinois Farms, 1954-55
 Farms, Soil Conservation, 1936-56
 Dairy Products, Market, 1947-
 Memorandum of Agreement, Poultry Market, Chicago, 1950-51
 Alfalfa and Clover Diseases, 1936-49
 Farm Service Buildings, 1949
 Farm Buildings, 1950
 Overall Agreement, Agriculture Economics, 1948-56
 North Central States Research and Marketing, Project Proposed,, 1948-50

North Central States Housing Act, 1949, 1950
North Central States Research and Marketing, Projects Proposed, 1948-50
North Central States, Animal Nutrition and Physiology, 1947-50
 USDA Corn-Hybrid, 1948-57
 USDA Farm Management, 1948-57
 Farm Structures and Budget, 1947-48
 USDA Forestry, 1947-48
 USDA Horticulture Crops, 1948
 Norman Jay Colman Award, Horticulture, 1949
 Land Tenure Committee, 1948-51
North Central States Committee, Miscellaneous, 1949-50
 USDA Plant Diseases, 1947
 Seed Practices, 1947-51
 USDA, Research and Development liaison, 1951
Agricultural Research Administration Research Council, 1950
USDA Personnel and Coordinating Committees, 1947-51
USDA Experimental Station Reports, 1951
 301, Farm Accounting
 303, Economics of Farm Power, Machinery and Equipment
 304, Farm Systems, Land and Livestock
 305, Marketing Liquid Fertilizers
 306, Southern Illinois
 307, Information for Farm Development
 310, Commercial Fertilizer Effects
 312, Dairy Farming
 313, Field Shelling and Drying
 314, Data Requirements and Costs
 316, Pricing Hogs
 318, Land Resource and Development
 320, Vegetable Production in NE Illinois
 321, Crop Yields
 322, Egg Production
 323, Economic Development
 329 (IR3), Government Programs
 331, Land Tenure & Transfer
 333, Credit Needs
 335, Beef Market
 336, Farm Leasing
 339 (NC53), Tenure & Transfer
 340, Grain Marketing
 341, Milk and School Lunch
 342, Livestock Marketing
 344, RRF Trust Fund
 345 (NCM-26), Dairy Industry
 346, Milk Prices
 347, Apple Production
 348, Peaches
 348, Livestock Marketing
 349, Vegetables, Chicago Area
 350, Flowers, Merchandising

351, Farmers' Cooperative Management
 354 (NCM-30), Grain Marketing
 355, Capital Markets
 358, Marketing Grains
 359, Pricing Grains & Soybeans
 360, Common Market
 361, Egg Marketing
 362, Fertilizers
 362, Marketing Poultry
 364, Egg Marketing in Chicago
 368, Livestock Marketing
 369, Cooperative Livestock Marketing
 370, Water Use
 371, Pesticide Problem
 372 (NCM-19), Grain Pricing
 373, Animal & Vegetable Oils
 375, Hog Marketing
 376, Meat in Meals Outside the Home
 377, Demand Changes
 378, Food Processing in Chicago Area
 381, Price and Income Situations
 383, Market Date & Demand
 384, Hog Price & Income Policy
 385, Quantitative Analysis
 386, Production & Markets
 390, Water Supply
 391, Rural Social Organization
 394, Rural & Urban Migration, 1950s
 395, Rural Youth College Plans
 395, Soil Fertility, Piatt County
 396, Social Change
 421, Crop Yields, Incomes, Prices

Agricultural Engineering, miscellaneous numbers

10-305, Grain Drying
 10-305, Weed Control
 10-311, Drainage
 10-313, Irrigation of Clover Pasture
 10-314, Terracing
 10-316, Rainfall Energy & Erosion
 10-317, Highway & Agriculture Drainage Laws
 10-318, Highway & Agriculture Drainage Policy
 10-318, Water Infiltration
 10-328, Farm Tractor Maintenance
 10-333, Power, Machinery & Labor Efficiency
 10-334, Fruit & Vegetable Equipment
 10-335, Tractor Valve Life
 10-337, Weed Control
 10-338, Roadside Cover
 10-342, Tractor Maintenance
 10-344, Filling Vertical Silos

10-351, Small Grains & Bulk Storage
 10-352, Vertical Silo Use
 10-354, Mechanical Feed Handling
 10-355, Electric Power Applications
 10-356, Grain Moisture & Storage
 10-357, Mechanized Feeding
 10-358, Confinement Rearing of Swine
 10-360, Handling Systems
 10-370, Building Requirements & Design

Box 8:

10-371, Farrowing Environment
 10-374, Production Efficiency in Buildings
 10-375, Young Pit Environment
 10-377, Building Farmhouses
 10-378, Use of Aluminum Products
 10-382, Anhydrous Ammonia
 10-392, Farm Forage Processing
 10-393, Harvesting
 Proposed Projects, 1951-58
 General Correspondence, 1950-62

Agronomy

15-311, Corn Performance Tests
 15-315, Nutrient Response Curves
 15-317, Soil Tissue Analysis
 15-318, Lake Sedimentation Studies
 15-319, Ion Exchange Capacity of Root Cells
 15-322, Aeration and Gaseous Transport
 15-323, Physiology of Grass Seeds
 15-323, Clays & Minerals in Peorian Loess
 15-325, Sugar Crops
 15-327, Highway Turf Grass
 15-328, Breeding Corn
 15-330, Biochemistry of Protein Production in Corn
 15-331, Cytoplasmic Male Sterility in Corn
 15-334, Row Cultivation & Weed Control
 15-336, Winter Oats
 15-339, Weed Control
 15-339, Herbicide Action
 15-340, Dwarfing in Corn Hybrid Production
 15-341, Fertilizers
 15-343, Weeds
 15-344, Pasture & Forage Crops
 15-345, Chemical Composition of Forage Crops
 15-346, Grain Crop Varieties
 15-346, Soybean Production Costs
 15-347, Grain Planting Rates
 15-348, Cultural Studies with Grains
 15-348, Cultural Management & Climatic Factors

- 15-349, Silage
 - 15-350, Protein Syntheses in Corn
 - 15-350, Alfalfa
 - 15-351, Corn
 - 15-352, Morrow Plots
 - 15-352, Phosphate Fertilizers
 - 15-354, Water Retention
 - 15-354, Chemical Weed Control
 - 15-355, Soybeans & Weeds
 - 15-355, Corn Breeding Methods
 - 15-355, Sorghum Variety Trials
 - 15-356, Soybean Production Costs
 - 15-357, Weed Control
 - 15-357, Acids in Corn
 - 15-357, Soil Moisture & Corn
 - 15-357, Fertilizers
 - 15-359, Ammonium Fertilizers
 - 15-362, Loess Soils
 - 15-363, Forage Species
 - 15-365, Barley
 - 15-367, Corn Polyploidy
 - 15-368, Ion Transport
 - 15-370, Corn Development
 - 15-374, Morphological Studies
 - 15-377, Corn Yields
 - 15-378, Soybean Roots
 - 15-378, Tillage and Soil and Water Loss
 - 15-378, Herbicides, Effects of
 - 15-379, Corn
 - 15-380, Forage Crop and Pasture
 - 15-381, Corn Tests
 - 15-382, Maize Chromosomes
 - 15-383, Soybean Fat Metabolism
 - 15-384, Soybean Soil Moisture
 - 15-387, Corn Borers
 - 15-388, CO₂ in Soils
 - 15-390, Mutant Traits in Maize
 - 15-391, Ions in Soil Extractions
 - 15-392, Seed Production in Legumes
 - 15-392, Nitrogen Metabolism in Corn
 - 15-394 (NC-7), Trifolium, Lotus
 - 15-395, Soil Organic Matter
 - 15-396, Hydrologic Character of Small Watersheds
 - 15-396 (NCM-23), See Storage & Testing
 - 15-398 (NC-46), Water in Crop Plants
- Animal Science Terminated Projects
- Unnumbered Projects, 1957-58
 - Experimental Reports, 1957-58
 - Proposals, 1949-59
 - Correspondence, 1951-61

Box 9:

- State Annual Reports, 1963
- Calendar Year, 1963
- Miscellaneous and Unnumbered, 1960-67
- 20-90, Swine Production
- 20-91, Swine Physiology
- 20-303, Swine Breeding
- 20-305, Swine Pregnancy
- 20-306, Swine Blood Groups
- 20-306, Swine Proteins
- 20-320, Nutritional Diabetes
- 20-321, Vitamin E
- 20-323, Beef Carcass Quality
- 20-326, Environment & Vitamins
- 20-327, Tocopherols
- 20-329, Fertilizer & Corn Plants
- 20-331, Lamb Carcass Quality
- 20-342, Beef Cattle Breeding
- 20-342, Pastures and Breeding
- 20-342, Chickens & Calcium
- 20-343, Ewe Nutrition
- 20-347, Cattle & Nitrogen & Vitamin A
- 20-349, Beef Cattle & Corn Rotation
- 20-352, Swine Reproduction
- 20-354, Minerals in Ruminant Forage
- 20-357, Animal AGing and Nutrition
- 20-358, Acid Metabolism in Ruminants
- 20-360, Beef Market
- 20-371, Beef Carcass Quality
- 20-375, Sheep Reproduction
- 20-384, Beef Cow Artificial Insemination
- 20-384, Beef Cow Herd Management
- 20-385, Winter Rations for Steer Calves
- 20-387, Swine Age and Growth
- 20-389, Glucose & Lactic Acid in Ruminants
- 20-390, Acid Metabolism in Ruminants
- 20-392, Temperatures & Pregnant Swine
- 20-393, Axenic Animals
- 20-393, High Moisture Corn Metabolism Studies
- 20-600, Lamb Carcass Study
- 20-1103, Physiology of Egg Formation
- 20-1160, Vitamin Metabolism with Radioactive Tracers
- Dairy Science Terminated Projects, 1968-71
- Proposed Projects, 1952-57
- 1963-64
- 35-303, Farm Animal Waste Disposal
- 35-308, Inbreeding & Dairy Goat Production
- 35-309, Silage Crops for Dairy Cattle
- 35-311, Nutritive Value of Hay for Dairy Cattle

- 35-314, Roughages and Dairy Cattle
- 35-316, Artificial Insemination and Dairy Cattle
- 35-318, Nutritive Requirements of Dairy Cattle
- 35-326, Milking Intervals
- 35-328, Metabolism of Lactating Dairy Cows
- 35-333, Roughage
- 35-358, Mammary Cells
- 35-365, Lysine Biosynthesis in Yeast
- 35-393, High Moisture Corn
- Dixon Springs Correspondence, 1951-63
 - 40-350, Herbicides & Foxtail
 - Project Materials, 1945-57
 - 40-302, Fertility of Pastures
 - 40-303, Legume-Grass Mixtures for Hay
 - 40-305, Seedings for Pasture
 - 40-308, Rotation in Pasture
 - 40-323, Lamb Feeding
 - 40-329, Pelleted & Loose Beef Cattle Feeding
 - 40-331, Mowing and Fertilizing Pastures
 - 40-332, Planting & Yields
 - 40-335, Sheep & Cattle Parasite Control
 - 40-339, Lamb Deaths
- Entomology Terminated Projects, 1970
 - 12-311, Pesticides in Soils
 - 12-312, Insecticides in Food & Forage Crops
 - 12-314, Potato Leafhopper
 - 12-315, Control of Pasture Insects
 - 12-316 (NCM-37), Pesticide Residues in Marketed Commodities
 - 12-317 (NC-85), Insecticide Residues
 - 12-377, Biological Control of Insects

Box 10:

- Food Science, Terminated Projects, 1971
 - Inactive Projects, 1960
 - 50-303, Flavor of Dried Milk
 - 50-304, Butterfat Effects
 - 50-310, Processing Fats
 - 50-312, Ice Cream Pasteurization
 - 50-314, Dehydrated Beef
 - 50-315, Corn Carbohydrate Coatings
 - 50-316, Vegetable Canning
 - 50-323, Acid Metabolisms
 - 50-325, Biochemical Aspects of Aging
 - 50-339, Milk Protein & Cholesterol
 - 50-341, Cheddar Cheese
 - 50-342, Cheese Bacteria
 - 50-345, Sweet Corn Quality
 - 50-346, Dry Milk Flavor
 - 50-347, Cheese Chemical Change

- 50-352, Food Dehydration Microbiology
- 50-356, Fatty Acid Isomers
- 50-362, Water & Wheat Flour
- 50-364, Heat Damage of Oils
- 50-365, Bacteria on Solid Surfaces
- 50-366, Fats & Cholesterol Levels
- 50-367, Staphylococci in Foods
- 50-368, Carcinogenic Effects & Fat
- 50-375, Refrigeration of Milk Products
- 50-390, Milk Storage Changes
- 50-394, Radiation and Refrigerated Chicken
- 50-395, Canned Sweet Corn Quality
- Forestry, Terminated Projects, 1969
 - 55-302, Yield of Farm Forest Timber
 - 55-310, Secondary Wood Using Industries
 - 55-320, Forest Nursery Soil Management
 - 55-321, Tree Growth on Sandy Soils
 - 55-331, Pressure-Treated Millwork
 - 55-332, Cottonwood
 - 55-341, Soil Moisture Stress
 - 55-342, Lake Clendale Watershed
 - 55-351, Oak Wilt
 - 55-352, Farm Timber Construction
 - 55-353 (NCM-27), Timber Products, Marketing
 - 55-361, Eradicating Hardwood Management
 - 55-392, Small Woodland Management
 - 55-393, Pulpwood Market
 - 55-394, Wood U
- Home Economics, Terminated Projects, 1968-69
 - Projects, 1963-69
 - Proposed Projects, 1963-64
 - Correspondence, 1949-63
 - 60-306, Rural Farm Encapsulation
 - 60-307, Behavior Tests
 - 60-308, Periodicals & Children's Readers
 - 60-322, Starches in Food
 - 60-324, Soybeans as Human Food, 1931-62
 - 60-329, Food Purchases for Pre-school Children
 - 60-334, Proteins in Human Nutrition
 - 60-335, Human Nutritive Requirements
 - 60-337, Dietary Needs of Older People
 - 60-339, Dietary, Tooth Decay Factors
 - 60-340, Dry Milk in Quantity Food Preparation
 - 60-363 (NC-32), Farm Families & Financial Security
 - 60-377, House Space & Arrangement
 - 60-377, Windows
 - 60-382, Clothing Comfort
 - 60-384, Detergent Effectiveness
 - 60-385, Properties of Fabrics
- Horticulture, Terminated Projects, 1968-70

65-169, Weed Control in Turf Grass
65-307, Tomato Growing in Greenhouses
65-311, Fruit Crops & Moisture
65-312, Bramble Fruit Breeding
65-312, Raspberry Genetics
65-312, Small Fruit & Nut Testing
65-313, Strawberry Breeding
65-314, Honey Bees
65-314, Orchard Crop Nutritional Studies
65-316, Weekly Rainfall
65-317, Black Rot Resistance in Clover
65-317, Pear Breeding
65-317, Fruit Thinning
65-318, Fruit Development & Senescence
65-321, Pear Breeding
65-322, Grape Breeding
65-322, Grape Breeding
65-323, Apple Breeding
65-324, Peach Breeding
65-324, Vegetable Variety Trials
65-326, Anthidium
65-327, Honeybee Management
65-328, Honeybee Behavior
65-333, Tomato Quality
65-333 (NCM-24), Tomato Quality
65-333, Climate Modification by Mulch
65-334, Vegetable Growth
65-335, Bean Genetics
65-336, Bean Breeding
65-337, Sweet Corn Breeding
65-338, Sweet Corn Breeding
65-339, Cucurbita
65-340, Drying Seed Sweet Corn & Popcorn

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65-342, Asparagus
65-344, Vegetable requirements
65-348, Asparagus
65-349, Sweet Corn Genetics
65-351, Greenhouses Rose Nutrition
65-352, Rose Variety Trials
65-353, Nutrition of Floricultural Crops
65-354, Carnation & Snapdragon Breeding
65-355, Phosphate Metabolism & Ion Transport
65-356, Propagating Ornamental Plants
65-357, Photoperiodic Studies of Ornamental Plants
65-357, Hedges
65-358, Turf
65-362, Cut Flower Production

- 65-363 (NCM-22), Flowers, Market Trade Standards
- 65-364, Turf Grasses
- 65-365, Marketing Cut Flowers
- 65-366, Greenhouses & Plants
- 65-367, Growing Ornamentals in Artificial Media
- 65-369, Nursery Plant Grades & Standards
- Plant Pathology, Terminated Projects, 1970
 - 68-345, Wheat & Oats Fungi & Barley Virus
 - 68-349, Soil Toxicants
 - 68-350, Fungicides
 - 68-352, Host-Parasite Interactions
 - 68-353, Corn Breeding for Disease Resistance
 - 68-360, Hewn Grasses
 - 68-369, Dwarfing Virus Disease of Corn
 - 68-370, Biochemistry of Plant Infections
 - 68-371, Plant Virus
 - 68-372, Stone Fruit Virus Diseases
 - 68-378, Strawberry Root Rot
 - 68-378, Host-Parasite Interaction
 - 68-381, Nematodes
 - 68-383, Virus Disease Research
 - 68-386, Soybean Seed Infection Resistance
 - 68-389, Horseradish Diseases
 - 68-387, Nematode Problems
 - 68-396, Red Clover Black Stern
- Veterinary Medicine, Terminated Projects, 1962-71
 - Reports of Projects, 1950-58
 - Correspondence, 1954-62
 - Proposed Projects, 1951-56
 - Miscellaneous Projects, 1958-68
 - 70-301, Cattle, Sheep & Swine Diseases
 - 70-305, Respiratory Disease
 - 70-306, Viral Infections
 - 70-309, Duck Virus Hepatitis
 - 70-310, Chickens & Bronchitis
 - 70-312, Nematode Control
 - 70-315, Chemical Prevention of Livestock Sarantes
 - 70-316 (NC-13), TGE in Pigs
 - 70-318, Cattle Ketosis
 - 70-318, Ketosis
 - 70-319, Bloat in Ruminants
 - 70-324, Protozoan Diseases
 - 70-325, Virus Host Systems
 - 70-327, Enteric Bacteria, Animals & Birds
 - 70-328, Pharmacological Study of Chemical Agents
 - 70-328, Pharmacological Study of Pesticides
 - 70-329, Irradiation Effects on Food
 - 70-331, Rabbit Diseases
 - 70-335, Sheep Parasites
 - 70-343, Turkey Monocytosis

70-344, Slapping Fever in Cattle
 70-353, Infectious Enteritis
 70-375, Swine Disease
 70-378, Antibiotics & Vitamins
 70-386, Trichomoniasis in Bulls

North Central

NC-1, Beef Cattle Breeding
 NC-2, Dairy Cattle Breeding

Box 12:

NC-7, New Plants
 NC-20, Corn Borers
 NC-23, Farm Structure Requirements
 NC-40, Water Infiltration (back to office--109 Mumford Hall)
 NC-47, Poultry Breeding
 NC-48, Materials Handling Systems
 NC-53, Farming Alternatives
 NC-54, Hog & Beef Production
 NC-58, Beef Carcass Research
 NC-59, Management Resource
 NC-60, Industrial Use of Starches
 NC-62, Enteric Diseases of Young Pigs
 NC-63, Biochemistry of Forage Utilization
 NC-66, Small Watersheds
 NC-72, Swine Housing
 NC-73, Cereal Leaf Beetle
 NC-83, Seed Production of Insect Pollinated Legumes
 NC-89, Poultry Breeding
 NC-93, Animal Waste & Pollution Control
 NC-94, Climatic Resources
 NC-95, Lipid Metabolism
 NC-96, Pesticides & the Environment
 NC-99, Forest Tree Breeding
 NC-103 (NCR-1), Swine Breeding

Box 13:

NC-105 (X87), Corn Borers
 NC-116 (X65), Avian Airsacculitis

North Central Region

NCR-1, Swine Breeding
 NCR-2, Corn Breeding
 NCR-3, Soil Survey
 NCR-9, Midwest Plan Service
 NCR-10, Turf Research
 NCR-11, Child Development & Family Living
 NCR-12, Irrigation & Drainage
 NCR-13, Soil Testing
 NCR-15, Oat Improvement

NCR-21, Population Genetics
NCR-22, Small Fruits
NCR-25, Corn and Sorghum Diseases
NCR-31, Forage Management & Physiology
NCR-32, Vascular Walls of Trees
NCR-35, Plant Nematodes
NCR-36, Forage Crop Breeding
NCR-42, Swine Nutrition
NCR-43, Landscape Plant Diseases
NCR-46, Corn Rootworm
NCR-52, Family Economics
NCR-54, Economic & Environmental
NCR-57, Reproductive Physiology
NCR-60, Soil Structure

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NCR-63, Mycotoxins
NCR-72, Biological Insect Control
NCR-75, Drought
NCR-82, Stock Scion Relationship
NCR-83, Materials Handling Systems
NCR-95, Meat Processing & Additives

North Central Research Committees

NCA-1, Soils, 1953-71
NCA-2, Animal Diseases
NCA-4, Horticultural Crops
NCA-5, Home Economics
NCA-6, Animal Production
NCA-7, Dairy Production
NCA-9, Feed & Forage Crops
NCA-10, Forestry
NCA-11, Food Products
NCA-14, Plant Pathology
NCA-15, Entomology
NCA-16, Agricultural Engineering
NCA-17, Communications
NCA-18, Products Utilization
NCA-19, Natural Resources
NCA-20, Agriculmatology
NCA-21, International Agriculture
NCA-59, Soil Organic Matter
NCS-1, Seed Practices
NCRS-2, Natural Resources
NCRS-3, Community & Human Resources
NE-48, Soil-Plant-Water Relationships
NCM-45, Potatoes
NCM-46, Poultry

Box 15:

- NCT-85, Recreation and Rural Economic Development
- NCT-88, Water Use
- NCT-89, Lancaster Station
- NCT-90, Disadvantaged Families
- NCT-92, Potato Processing
- NCT-94, Quantity Foods
- NCT-97, International Trade
- Cooperative Regional Projects
 - CRF-1, Aquatic Weed & Woody Plant Control
 - CRF-2, Corn Kernel Red Streak
- Inter-Regional Projects
 - IR-1, Potatoes
 - IR-2, Fruit Tree Viruses
 - IR-3, Price Policy
 - IR-4, Chemicals for Minor Uses
- Federal Examiners Correspondence, 1955, 1960-68
- Projects Reports, 1960-62
 - carbons of many annual and final progress and project reports
- Associate Director's Correspondence, 1956
- Departmental Reviews (10 folders), 1962-63
- NC Regional Research Committee, March 1968

Box 16:

- Agricultural Communication, Project 01-305, Continuing Education by Mass Media
- Agricultural Economics
 - Project, general
 - 05-163, Law affecting Agriculture
 - 05-302, Farm Records and Operating Standards
 - 05-307, Hog Production
 - 05-308, Income Effects of Soil Conservation Plans
 - 05-309, Beef-Cow Economy
 - 05-312, Local Government Action for Rural Development
 - 05-313, Nitrogen as an Environmental Factor
 - 05-314, Farmer Decision Making
 - 05-315, Systems ANalysis in Grain Marketing
 - 05-317, Economic Growth of the Agricultural Firm
 - 05-318, Economics of Strip Mining
 - 05-319, Hog Supple and Price
 - 05-323, Real Capital Ratios and Labor Productivity
 - 05-324, Community Adaptation: New Industry
 - 05-324, Exports in the Middle East
 - 05-325, Exports in the Far East
 - 05-326, Exports in Latin America
 - 05-327, Exports in Africa
 - 05-327, Land Development Legislation
 - 05-328, Agricultural Land and Urban Development
 - 05-330, Development of Low-Incomes Regions in Illinois
 - 05-332, Agricultural Land Tenure
 - 05-334, Off-Farm Earnings

- 05-335, Alternatives to Property Taxation
- 05-338, Computer-Assisted Planning Systems for individuals Farms
- 05-341, Dairy Market Adjustment
- 05-342, Futures Trading in Commodities
- 05-343, Pricing and Distribution Costs for Milk
- 05-349, Distributive Equity of Income
- 05-350, Impact of International Trade on U.S. grain marketing
- 05-353, Costs and Efficiency of Commercial Seed Distribution
- 05-354, Hog Price and Supply Fluctuations
- 05-362, Chicago Shell Egg Futures Market
- 05-366, Effects of Transportation Change on Grain
- 05-367, Livestock Marketing Patterns
- 05-373, Economic Decision Processes
- 05-374, Technological Change and Grain Markets
- 05-376, Financial Intermediaries
- 05-380, Commercial Apple Production
- 05-382, Structure of Soybean Market
- 05-388, Nitrogen as an Environmental Quality
- 05-389, International and Interregional Trade Projections
- 05-393, Incentives and Human Resource Development
- 05-398, Community Involvement of Rural Poor

Agricultural Engineering

- 10-315, Conservation and Drainage Structures
- 10-331, Field Machinery
- 10-350, Electric Power and Farm Operations

Agricultural Entomology

- 12-301, Bionomics of Soil Arthropod
- 12-321, Effects of Arthropods on Composition, Quality and marketability
- 12-322, Native Bees, Illinois
- 12-397, Bionomics of Arthropods

Agronomy

- Correspondence and general communications
- General Project Numbers
- 15-316, Soil Acidity, rock phosphate
- 15-318, Soil Chemistry and fertility of Sierra Leone soils
- 15-321, Ion Bonding in soils
- 15-324, Rooting volume in Illinois soils
- 15-328, Evaluation of soil type and erosion conditions
- 15-337, Orchard Grass improvement
- 15-341, Properties of a quoll soils in Illinois
- 15-342, Clay Water Ion Interactions
- 15-343, Role of Cat ions and Pro ions in Plants
- 15-348, Culture studies of corn, soybeans, small grains
- 15-349, Chemical-Plant Interactions and Environmental Variables
- 15-351, Fertilizers and Water Pollution
- 15-352, Soybeans
- 15-353, Lab methods to Determine Forage Quality
- 15-355, Acid Mine Drainage
- 15-358, Amelioration and Genesis of High Sodium Soil in Illinois
- 15-367, Properties of Nitrate Reductase and Protein Synthesis in Corn
- 15-373, Exotic Germ-Plasm in Corn Improvement
- 15-376, Physiology and Biochemistry of Ion Absorption by Roots
- 15-377, Phosphorus Weathering, Soil Moisture Interactions in Soil Genesis
- 15-379, Role of Water in Soybean Growth
- 15-384, Relation Between Plant Water Status Growth and CO₂ Assimilation in Soybeans
- 15-391, Ecological Effects of Rotating Crops and Herbicides
- 15-393, Characteristics and Distribution of Outwash Soils
- 15-396, Effects of Weed Control in Crop Rotations
- 15-397, Agronomic-Economic Investigations of Fertilizer Use
- 15-398, Calibration of Chemical Soil Tests
- 15-399, Life History and Control Studies of Johnson Grass

Animal Science

- 20-301, Mechanisms Controlling Ovulation
- 20-302, Corpus Luteum Formation and Maintenance
- 20-303, Swine Breeding
- 20-304, Endocrinology of Reproduction of Domestic Animals
- 20-305, Genetics of Blood Group, Ion transport, and Fitness
- 20-307, Physiology of Mammalian Germ Cells

Box 17:

- 20-308, Induction and Control of Parturition in Swine
- 20-309, Maintenance of Pregnancy in Pig and Ewe
- 20-310, Action of Insulin in Membrane Transport of Sugars
- 20-324, Metabolic and Enzymatic Effects of Meal Feeding
- 20-328, Alternative Pathways of Metabolism in Chicks
- 20-329, Dietary Control of Fatty Acid and Cholesterol Synthesis in Rats and Chicks
- 20-330, Lipogenesis in Swine
- 20-340, Carotene Utilization and Vitamin A Nutrition
- 20-341, Chemically Definable Diets for Ruminants
- 20-344, Breeding Lamb for Meat Improvement
- 20-346, Processes of Nonprotein Nitrogen Utilization
- 20-348, Lab Methods to Determine Forage Quality
- 20-349, Selecting of Breeding Sheep by K⁴⁰ count
- 20-350, Systems for Intensifying Beef Herd Production in Dry lot
- 20-351, Ecological Studies Related to Intensified Ruminant Production
- 20-352, Metabolizable Energy Utilization by Growing Animals
- 20-353, Biochemical Pathways of Urea Metabolism in Ruminant Animals
- 20-355, Intensive and Extensive Management Systems for Beef Cows
- 20-360, Molecular Properties of Post-Mortem Myofibrillar Proteins
- 20-361, Growth Studies of Beef and Swine
- 20-363, The Effect of Composition, Distribution, and Quantity of Lipids On Meat Quality
- 20-364, Biochemistry of Myofibrillar Proteins
- 20-365, Atherosclerosis and Body Composition
- 20-366, Selecting Stress-Resistant Pigs for Breeding
- 20-367, Relation between Prerigor Excision, Manipulation, and Onset of Bovine Muscle
- 20-370, Amino Acid Nutrition of the Chick
- 20-371, Amino Acid Imbalances in the Protein Nutrition of Laying Pullets
- 20-372, Protein-Amino Acid Nutrition of Poultry

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- 35-302, The Nutrition and Metabolism of Microorganisms in the Dairy Industry
- 35-304, Milk constituent formation
- 35-315, Protein and Carbohydrate Metabolism in Ruminants
- 35-317, Metabolism of Sperm
- 35-320, Biosynthesis of Milk protein
- 35-324, Nutrition, Metabolism of the Aging Dairy Cow and Milk Fever Syndrome
- 35-325, Metabolic Activities of Rumen Microorganisms
- 35-330, Dairy Farm Management Efficiency
- 35-332, Mold Toxins in Foods and Feeds
- 35-336, Non-Protein Nitrogens as Protein Extenders
- 35-338, Relation of Height and length Genetic Differences to Beef and Dairy...
- 35-340, Bovine Erythrocyte Metabolism
- 35-341, Lipid Metabolism in the Ruminant
- 35-344, Effects of Corn Preservation Methods on Nutritive Value
- 35-356, The Structure and Function of Bacterial Membranes
- 35-364, Biological Methane Formation

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- 50-300, Growth of Psychrophilic Bacteria
- 50-330, Nutrition of Naskan Eskimos
- 50-331, Mineral and Hormonal Factors in Osteoporosis
- 50-332, Metabolism of Lipid Peroxides
- 50-333, Dietary Factors Affecting Lipid Peroxidation in Vivo
- 50-341, Comparison of Chemical, Physical Changes in Cheese Proteins
- 50-346, Controlled Atmospheric Storage of High Moisture Soybeans
- 50-348, Fractionation and Characterization of Protein in the Fat-Globule Membrane
- 50-349, Energy Kinetics in Freeze-Drying
- 50-350, Horseradish Preparation, Processing, and Storage
- 50-351, Affects of Storage Freezing and Dietary Factors on Egg Proteins and Lipoproteins
- 50-355, Metabolic Abnormalities in the I Mouse
- 50-357, Biological Function of Vitamin B₆
- 50-363, Enhancement of Whey for Ruminant Feeding
- 50-370, High Temperature Effects on Milk
- 50-397, Flavor of Fresh Dairy Products
- 50-398, Synergistic Effects of Heated Fat on a Carcinogen

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- 55-301, The Establishment, Culture, and Development of Forest Plantations in Central and Northern Illinois
- 55-303, Internal Moisture and the Growth of Forest Trees in Central Illinois
- 55-307, Market Potential for Bark and Wood Residues in Illinois
- 55-309, Market Potential for Wood Residues in Illinois
- 55-311, Soil-Site Relationships in Northern Illinois
- 55-312, Efficiency of Shredded Hardwood Bark
- 55-322, Ecology of Pine Plantations in Southern Illinois
- 55-323, Effects of Recreation on Forest Soils and Vegetation in Illinois
- 55-331, Preservative Treatment of Wood Products
- 55-334, Penna-Treatment and Strength of Douglass Fir
- 55-335, The Utilization of Plant-Fiber Residues
- 55-336, High Pressure Treatment of Red and White Oak
- 55-341, Development of Native Hardwoods and Pine Plantations
- 55-353, Effect of Phloem Blockage by Girdling on the Stem Anatomy
- 55-360, Effects of Soil Moisture Stress on Loblolly Pine
- 55-362, Effects of Moisture Stress on Monoterpenes in Loblolly Pines
- 55-373, Insects of Coniferous and Hardwood Woodlands in Illinois
- 55-380, Forest Tree Improvement Through Selection and Breeding, Phase II
- 55-399, Impact of Flooding on a Stream-Side Forest Ecosystem

Box 18:

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- 60-309, Function of Music in Curricula for Handicapped Children
- 60-321, Protection of Quality in Meats and Vegetables
- 60-328, Chemical and Physical Changes in Frozen Foods
- 60-330, Calcium Metabolism in Adults
- 60-338, Mineral Interaction in Human Nutrition: Trace Elements
- 60-362, Effects of Financial Management on family Consumption
- 60-364, Effect of Aging upon Income and Expenditure in Illinois Farm Families

- 60-365, Consumer Reactions to Pest Control
- 60-366, Patterns of Living in Disadvantaged Families
- 60-367, Life-Style Patterns of Advantaged and Disadvantaged Families
- 60-378, Consumer Decisions Relative to Environment
- 60-386, Mechanism of Fabric Abrasion
- 60-387, Effect of Fabric or Mechanical Conditioning on Selected Fabrics

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- 65-310, Breeding and Culture of Small Fruits
- 65-330, Growth of Portulaca Oberacea
- 65-331, Dormancy in Onion Seeds
- 65-332, Genetic Investigation on Economic Characters of the Tomato
- 65-343, Peppier Breeding
- 65-345, Physiology of Maturation of Tomatoes
- 65-346, Tomato Breeding
- 65-350, Selective Herbicidal Activity of Picloram on Turf grass
- 65-351, Phosphate Metabolism and Nutrient Absorption in Turf grasses
- 65-354, Chemical and Nutrient Release Qualities on Control Release Fertilizers
- 65-355, Energetics of Ion Transplants in Plants
- 65-357, Growth Regulators
- 65-360, Metabolic Basis of Pollen Germination
- 65-363, Salt Tolerant Grasses for Roadside Erosion Control
- 65-368, Market Grades for Cut Roses

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- 68-339, Ecology and Population Dynamic of Soil Nematodes
- 68-342, Mechanisms of Resistance to Corn Leaf Blight
- 68-379, Host Parasite and Bacterial Diseases of Fruit
- 68-382, Biology of Plant-Parasitic Nematode
- 68-393, Turf grass Research
- 68-422, Study of Leaf-Borne and Seedling Diseases of Leguminous Field Crops

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- 70-317, Metabolic Autoregulation of Mammary Blood Flow in Lactating Goat

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- 05-310, Economic Evaluation of Implementation Strategies for Control of Ag Non-pt, 1976-77
- 05-314, Productivity and Value Added on Illinois, 1976-81
- 05-316, Adjustments and Firm Growth by Illinois Farm Operators, 1971-79
- 05-319, Cost Accounting and Economic Analysis of Selected Coop Experiments and Farm Systems at Dixon Springs Agriculture Experiment Center, 1976-79
- 05-320, Economic Feasibility of Supplemental Irrigation in Southern Illinois, 1978-82
- 05-321, Model Multi-District Agricultural Zoning for Agricultural Land Preservation, 1976-80
- 05-322, Case Study of Farm Corporations with Emphasis on Legal and Tax Aspects, 1976-78
- 05-323, Legal Implications of State and Federal Legislation Affecting Agriculture and Illinois Local Government, 1977-82
- 05-325, Economics of Farm Machinery and Equipment, 1976-79
- 05-326, Analysis of Demographic and Socio-economic Changes in Illinois, 1976-80

- 05-329, Financing Farms, Markets and Rural Communities, 1975-82
 05-331, Agricultural Land Resources and Related Institutional Arrangements, 1974-80
 05-333, Empirical Energy and Economic Balances for Ethanol and Gasohol Production, 1979-81
 05-336, System Identification and Control in the Feed-Livestock Sector, 1974-79
 05-337, US Grain and Soybean Prices Structural Relationships, Forecasting Technology, Sales Management, 1976-80
 05-339, Computer Assisted Management Program for Illinois Farms, 1974-77
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 05-341, Comp. Stu. of Prop. Trans. Taxes in the US, Ireland, U.K. and Netherlands, 1976-78
 05-345, Rediscovery of Rural America: Rural Migration in the Midwest, 1976-82
 05-346R, Alternative Solutions to New Problems of Dairy Marketing Coops, 1971-78
 05-347 (NC-139), Economic Analysis of the US Grain Exporting Systems, 1976-82
 05-348 (S-115), Alternative Structures for Increase Efficiency in Inter and Intra-Reg. Marketing Systems, 1977-82
 05-350, Farming in Illinois: Alternatives for the 1980s, 1976-80
 05-351, Computer Assisted Management for Illinois Farms, 1978-82
 05-352, Economic Consequences of Selected Prov. of Food and Agriculture Act of 1977, 1977-82
 05-357, Change and Performance within the Illinois Farm Input Industries, 1970-77
 05-360, Corn Quality in World Markets, 1976-81
 05-363, Factors Affecting Rural Community Viability and Rate of Growth and Decline, 1972-77
 05-368, Changing Systems of the Livestock and Meat Industry, 1974-79
 05-372, The New Homesteaders: Small Farms and Their Effect on Rural Communities, 1979-82
 05-379, The Impact of Overlapping Districts and Local Government Structures and Financing Local Public Services in Illinois, 1980-82
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 05-397, The Impact of Industrialization on a Rural-Ag Social System, 1966-77
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 10-312, Runoff from Small Agricultural Areas in Illinois, 1955-80
 10-317, Expansion of Diesel Fuel Resources with Ethanol, 1979-80
 10-327, Noise and Vibration of Off-Road Equipment, 1970-77
 10-332, Dynamics of Tillage, Earthmoving and Traction, 1979-80
 10-352, Soybean Seed Storage in Tropical and Sub-Tropical Areas, 1974-77
 10-365, Electrical Equipment for Animal Production Systems, 1965-80
 10-375 (NC-93), Animal Waste Systems for the 1980s, 1963-80
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 15-312, Mitochondrial Configuration and Efficiency. Relationship to Plant Energy Statistics and Yield, 1976-79
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 12-318, Insect Pest Management Systems for the Alfalfa Ecosystem, 1966-78
 12-320, Control Tactics and Management Systems for Anthropode Pests in Soybeans, 1969-70
 12-321, Foraging Behavior of Worker Honey Bees: Hormonal and Environmental Relationship, 1970-82

- 12-324, Distribution, Abundance and Control of Heliothis Species in Cotton and..., 1970-77
- 12-325, Effects of Soils on Survival and Damage by Corn Rootworms
- 12-327, Biological Races of Soybean Insect Pests: Impact on Plant Resistance, 1976-80
- 12-330, Forecasting the Economic Impact of Black Cutworm and Corn Rootworms on Illinois Corn, 1977-82
- 12-351, Control of Insects and Insect Vectors of Brittleroot on Horseradish, 1976-82
- 12-363, Biology of Insects Attacking Black Walnut, 1976
- 12-368 (616-15-68), Mechanisms and Physiology of Soybean Resistance to Insects, 1976-80
- 12-369, A Methodology for Predicting Pest Losses and Determining Characteristic Patterns in Crop Diseases, 1979-82

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- 15-317, Microbial Formation & Degradation of Nitro. Herbicide, 1976-79
- 15-323 (Competitive), Corn Germplasm Improvement
- 15-327, Properties of Clinoptilolite Related to Soil Fertility, 1976-80
- 15-331 (684-15-17), Reclamation of Surface Mined Land, 1976-79
- 15-334, A Study of the Effect of Anaerobically Digested Sludge on Pyrite Oxidation..., 1972-77
- 15-336, Biosystematics of Cereals
- 15-342, Improving Quality and Seasonal Distribution of Forage in Southern..., 1974-79
- 15-350, Breeding and Screening for Resistance and the Physiology of Cellular Response, 1971-76
- 15-353, The role of Energy Inefficient Alternate Oxidase in Biomass Prod., 1979-82
- 15-355, Glycine Germplasm Data Storage and Retrieval System, 1976-81

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- 15-357R (NC-109), Relating Soil and Landscape Characteristics to Land Use, 1971-82
- 15-359 (NC-109), Nitrogen as an Environmental Quality Factor, Management Techniques for Manipulating and Controlling, 1971-77
- 15-360, Control of Oil Synthesis in Developing Soybean Seed, 1963-79
- 15-362, Agricultural Benefits and Environmental Changes from use of organic waste on field, 1967-82
- 15-363, Biochemical Studies Related to the Efficiency of Production of Soybeans..., 1970-75
- 15-368, The effect of night air temperature on the efficiency of production of..., 1973-77
- 15-373, Foliar Fertilization of Agronomic Crops, 1976-82
- 15-378, Reaction of Phosphorus Compounds in Soil and Relation to Binding, Movement, and Pollution, 1981-83
- 15-379, Improving Management and Design of Crops, 1974-80
- 15-383, Iron Mineralogy and Related Chemistry of Catenary Soil Association in Illinois, 1964-74
- 15-385, Study of Chemistry of Minor Elements in Soils and Plants, 1959-77

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- 20-302, Mechanisms of Gonadotropin Action in the Hen's Ovary, 1978-82
- 20-303, Prenatal Factor, Fetal Survival, 1978-82
- 20-304, Fertility of Lactating Sows, 1978-81

- 20-305, Factors Affecting Parturition, 1975-81
- 20-306, Mechanism of Ovarian Steroid Synthesis, Storage and Release... 1974-78
- 20-309, Tests for Identifying Highly Fertile Animals, 1975-82
- 20-310, Genetics of Litter Size in Beef Cattle, 1972-80
- 20-332, Biotin in Metabolism, 1969-78
- 20-333, Metabolic Regulation in the Avian Species, 1977-82
- 20-342, Amino Acid Nutrition of Ruminants, 1972-77
- 20-343, Protein Supplements for Wintering Beef Cows, 1976-80
- 20-345 (Competitive), Evaluation of Corn Stalks for Improving Efficiency in Wintering Beef Cows, 1977-80
- 20-346 (Competitive), Evaluation of Alfalfa Hay, Haylage and Silage for Beef Production, 1978-82
- 20-347 (Competitive), Factors Affecting Rumen Microbial Ecology, 1978-82
- 20-348 (Competitive), The Effects of Energy Level and Monensin on Reproduction Performance and Lactation, 1978-80
- 20-362 (Competitive), Adipose Tissue Development, 1979-80
- 20-363 (Competitive), Growth and Carcass Characteristics of 2 types of Beef Cattle Slaughtered at Fat Constant Endpoints, 1980-82
- 20-368 (Competitive), Beef Roll Manufacture, 1974-77
- 20-369 (Competitive), Sectioned and Formed Meats, 1977-80
- 20-373 (Competitive), Comparative Total Sulfur Amino Acid Requirements in large Mouth and Florida Bass, 1975-77
- 20-381R (Competitive), Photoreception and Biological Rhythms, 1973-78
- 20-395 (NC-93), Animal Waste Management Systems for 1980s Value Oxidation Ditch Residues, 1970-80

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- 35-335, Changes in Ruman and Tissue Metabolism Associated with Low-Milk Fat Syndrome, 1967-82
- 35-337, Nutrient Utilization for the Synthesis of Milk: Regulation in Cow Mammary Tissue, 1969-79
- 35-345, Amino Acid Nutrition of the Pre-Ruminant Calf, 1974-79
- 35-346, Feeding and Management Effects on Dairy Cattle Selection, 1974-79
- 35-347, Improving Biological Efficiency: Genetic Factors Influencing the Lactation Curve, 1974-81
- 35-348, Membrane Transport of Mammary Cells, 1974-82
- 35-349, Efficiency of Growth, Maintenance and Survival of Rumen Bacteria, 1975-81
- 35-350, Regulation of Glycolysis and Pynimidin Metabolism in the Bovine Mammary Gland, 1975-82
- 35-352 (X516-15-109), Themophilic Methanogenesis from Cattle Wastes, 1975-79
- 35-353, Solids-Liquid Separation of Animal Waste, 1979-82
- 35-373, Automation in Feeding Dairy Cattle, 1958-80

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- 50-303, Effects of Retonoic Acid upon Serum and Liver Cholesterol in Hypercholesterolemic, 1975-78
- 50-304, Ultrastructure of Foods and Food Ingredients, 1978-82
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- 50-335, The Interrelationship Between Bound Water and Microbial Stress in Food, 1978-

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- 50-342, Low Heat Canning of Sliced and/or Whole Fruits, 1976-79
- 50-343, Physical Chemistry of Milk Proteins and Changes They Undergo on Sterilization and Storage, 1948-82
- 50-345, Utilization of Whole Soybeans for Human Food in Development Countries, 1975-79
- 50-351, Studies on Neurolathyrism, 1977-78
- 50-352, Nutritional Evaluation of Processed Soybean Products, 1975-79
- 50-353, Utilization of Dietary Fat from Various Sources, 1965-80
- 50-354, Effect of Dietary Fat on Plasma Lipoproteins, 1967-80
- 50-355, Phytic Acid and Zinc Bioavailability, 1979-82
- 50-356, Metabolism of a Plant Toxin, 1970-78
- 50-357, Essential Amino Acid (EAA) Biosynthesis in Mammals, 1974-79
- 50-358, Aseptic Bulk Storage Systems for Low Acid Foods, 1976-79
- 50-359, Films as Retardants to Meat Deteriorization, 1958-78
- 50-361, O₃ and NO₂ Toxicity in Normal and Antioxidant-Fed Animals, 1971-73
- 50-365, Importance of Dietary Arginine Intake on Carbohydrate Metabolism, 1975-78
- 50-366, Malnutrition and the Nervous System, 1974-76
- 50-376, Germinal and Heat Resistance Characteristics, 1955-79
- 50-390, Studies on Rapid and Economical Detection of Drug Residues in..., 1974-77
- 50-398, MicroConstitutes in Milk and their Influence on Milk Properties, 1974-80

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- 55-0103, Forestry User Characteristics and Preferences of Urban Natural Areas, Northeastern Illinois, 1981-82
- 55-0108, Models of Carbon Flow in Tropical Ecosystems with Emphasis on their Role in the Global Carbon Cycle, 1981-82
- 55-301, Properties of Embossed and Molded Hardboards, 1975-78
- 55-308, Dynamics of Soil Microbiology and Fertility During Secondary Succession, 1970-77
- 55-313, Marketing Solid Wood and Hardwood Bark Residue Products in Illinois, 1972-74
- 55-314, Optimizing Multiple Use Forestry, 1974-77
- 55-315, Trends in the Forest and Associated Land Market of Illinois, 1975-78
- 55-319, A Survey of Wilderness Concepts and Values, 1976-79
- 55-302, Flakeboard House Siding from Flakes Treated with Glycol and Phenolic Chemicals, 1975-82
- 55-321, Select Lepidopterous Insects Attacking Honey Locust and Oak in the Midwest, 1975-80
- 55-322 (NC-126), Guidelines for More Effective Development of Forest and Recreational Resources, 1974-79
- 55-324, Leaf Phosphorus Fractions and Growth of Loblolly Pine, 1975-78
- 55-325, Role of Outdoor Recreation in Rural Economic Development, 1976-79
- 55-336, Pollution of Soil and Groundwater by Wood Preservatives as a function of Rainfall, 1976-79
- 55-337, Conversion of Fermented Waste in to Panel Products, 1974-75
- 55-338, Rheological Behavior of a Reconstituted Hardwood Composite, 1974-82
- 55-340, Evaluation of Forest Recreation Resources, 1977-78

- 55-345, Disposal of Liquid Waste from a Cattle Feedlot on a Forested Watershed, 1973-82
- 55-346, Heavy Metal uptake and Toxicity in Plants, 1976-79
- 55-343, Ecological Dynamics and Pine Management in Southern Illinois, 1972-77
- 55-0350, Wood for Energy in Illinois, 1981-82
- 55-353, Improved Local Planning for Reservoir Oriented Recreation Opportunities, 1975-77
- 55-354, Multiple Use Inventory for Illinois Forests, 1977-78
- 55-363, Use of Wood Residues in Ruminant Diets, 1974-78
- 55-368, An Ethanol Tree Seedling Assay: A Potential Method to Screen Trees for Tolerance to Low Soil Oxygen Conditions, 1979-82
- 55-370, Energy Analysis of Illinois Forest Silvicultural and Management Practices, 1979-82
- 55-383, Disposal of Sewage Sludge in Forest Plantations, 1973-79
- 55-0401, Reforestation and Plantation Management in Southern Illinois, 1952-71
- 55-403, Site Succession and Yield of Managed Hardwoods, 1952-71
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- 60-301, A Life Span Analysis of Rural Children Mental and Social Development, 1973-82
- 60-302, Land Transfer, Farm Family Organization and the Family Farm, 1976-82
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- 60-303, Dimensions of Preschool Children's Food Preferences, 1976-79
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- 60-304, Age Differences in Taste Perception, 1979-82
- 60-305, Memory in very young children, 1979-82
- 60-306, Play patterns in early childhood: A Descriptive study of Rural and Urban Three and Four Year Old Children, 1980-82
- 60-307, Behavior Individuality and the Development of Social Competence Among Pre-School Children, 1980-82
- 60-324, Utilization of Soy and Other Plant Proteins for Human Consumption, 1976-79
- SH and FS
- 60-325, Effects of Food Preparation Practices on Nutrient Content and Food Quality, 1976-79

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- 60-331, Changes in Food Practices for Better Nutrition, 1971-77
- 60-332, Iron Nutrition and the Feeding of Infants, 1974-79
- 60-333, The Effects of Iron Deficiency on Selenium Metabolism and Requirement, 1974-79

HR and FS

- 60-334 (was 50-334), Dietary factors in the Etiology of Osteoporosis, 1974-77

SH and FS (Competitive)

- 60-335, Infant Feeding Practices, Renal Solute Load and Plasma Osmolality, 1976-79

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- 60-360, Effects of High Dietary Protein on Calcium Metabolism, 1976-78
- 60-361, Economic Consequences of Selected Provisions of Food and Agriculture Act of 1977, 1977-82
- 60-368, Level of Living: Components and Satisfaction of Urban and Non-urban, 1974-82
- 60-381, Interpersonal Attraction as a Function of Similar Clothing and Appearance, 1976-82

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- 60-388, Homemaker Attitudes and Satisfactions as Related to Apparel Textiles, 1974-78

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- 60-389, Effect of Blend Level, Fabric Geometry and Fabric Finish on Fabric, 1976-82

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- 65-301, Growing Tomatoes in Plastic Greenhouses, 1971-78
- 65-310, Studies on the Maintenance and Photosynthetic Efficiency of an Experimental Photosynthetic Reaction, 1979-82
- 65-315, Tree Nut and Persimmon Breeding, 1950-81
- 65-320, Genetics and Breeding of the Peach, 1964-79
- 65-327, Stock-Scion Relations of Deciduous Fruits, 1967-77
- 65-335, Relationship of Environmental Factors to the Development of Sweet Corn, 1965-78
- 65-339, Havana Sand Field, 1968-78
- 65-340, The Role of Amino Acids in Seed Germination, 1966-82
- 65-352, The Use of Wood Waste Products in the Culture of Ornamental Plants, 1968-78
- 65-358, Mineral Stress and Woody Ornamental Plant Growth, 1974-79
- 65-359, Breeding Greenhouse Chrysanthemums, 1957-80
- 65-361, Testing and Evaluation of Woody Plant Materials, 1959-82

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- 68-347, Biological Determination of Performance of Soybean Planting Seed, 1969-75
- 68-355, Epidemiology and Control of Corn Disease, 1975-77
- 68-363, Control of Soybean Mosaic Virus Spread Thru Understanding Virus and Virus, Aphid Vector Relationships, 1977-81
- 68-365, Structure and Function of Plant Viruses with Flexuous Rod Morphology, 1975-78
- 68-370, Isolation, Purification and Characterizations of Viruses of Herbaceous and Ornamental, 1972-77
- 68-375, Fungus Physiology and Antibiotics, 1962-82
- 68-376, Biology of Endomycorrhizal Fungi, 1954-82

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 70-305, Development of Cell Lines for Propagation of TGE Virus of Pigs, 1976-78

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- 70-307R, Agalactia Syndrome of Sows, 1974-78
 70-309, The Induction of Interferon in the Nasal Secretion of Calves, 1979-82
 70-310, Effects of zearalanol Implants on Reproductive Function in Bulls, 1979-82

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- 70-315, Ecology, Epidemiology and Control of Bovine Keratocojunctivitis (Pinkeye), 1971-77

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- 70-319, Eperythrozoonosis of Swine Development of a Diagnostic Test, 1970-81

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- 70-320, Development and Economic Evaluation of Preventative Medicine Program, 1972-79

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- 70-321, Animal Feed Specimen Banking Pilot Study, 1980-82
 70-324, Dosage and Pharmacokinetics of Phenylbutazone in Cattle, 1980-82
 70-336, Differential Diagnosis of Respiration Disease of Swine-Mycoplasma, 1966-81
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 70-376, Enteric Diseases of Swine Other than TGE, 1970-77
 70-381, Bovine Anaplasmosis: Anti-Platelet Activity and Mechanism of Anemia, 1976-80
 70-602, Endotoxin Absorption from the Cecum and Lactation Failure in the Sow, 1980-82
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- 13-662, Phys. Processes Association with Energy Relations during Ontogenetic Development of Populus Deltoides Plants, 1978-82
- 58-519B-9-840, Integrated Control/Weeds in Small Grains and Assoc. Crops, 1981-82
- 58-519B-0-878, Characterization of Carbon Fixation Mutants in Chlamydomonas Reinhardii, 1980-82
- 616-15-60, Increasing and Maintaining Germ Plasma in Maize through Crosses and Plyplodization, 1976-81
- 58-319X-8-2448-X, Pricing Performance in Cattle-Beef Complex, 1978
- 58-319X-8-2469-X, Impacts of Producer and Commercial Storage of Grain on Grain Marketing System, 1978
- 58-319X-8-2518-X, Corn pricing systems, 1978-79
- 12-17-03-8-1046, Ag. Econ., 1975-77
- 58-3J23-1-00260, Ag. Econ., 1981-82
- 58-3J23-0-00123, Analysis of Policy and Behavioral Actions and Their Effects on the Financial Structure of the Farm Production Sector, 1977-80
- 58-3J23-0-0154X, Estimation of Economies of Size on Commercial Illinois Farms, 1980
- 12 Federal Land Banks and Ag. Econ. 1975-78, 1975
- Illinois Department of Agricultural and Ag. Econ., "Development of Grain Quality Standards, 1973-77
- 58-319W-8-2521X, Farm Cost and Consumer Reactions with U-Pick and Farmers Markets in Illinois, 1978-80
- 12-17-05-8-1644-X, Projections of International Trade in Agricultural Products, 1980
- 58-319V-0-0304X, Corn Rootworm Population Pest Management Decisions, 1981
- 80-224 amendment, Natural Resources 1981, Economic Balances of Ethanol,

- 1981
 Determination of Future Information Needs of Agriculture Producers Access
 9000034 Project 05-102, 1982
 Economical Effects of Subsidence from Underground Coal Mining on
 Agricultural Land in Illinois, 1982
- Agricultural Economics
 12-36-A-4014, Procedures for Approval and Field Testing of Moisture Meters,
 1980-81
 Legal and Regulatory Environment of Illinois Agriculture Access 9000008
 Project #5-202, 1981
 Structure of the Illinois Food Economy Access 90000039 Project #5-203
- Agricultural Engineering
 Lake Paradise, 1980-81
 47-15-10-342, Improved Calibration of Moisture Meters for High Moisture Corn,
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 58-6526-9-241, SCS Field Evaluation Sub-Surface Drainage, 1976-82
 905-15-4, Potential Contribution of Sediment to Surface Waters from the Erosion
 of Surface Mined Lands, 1979-82
 12-14-7001-1243, Solar Dry-High Speed Hay Accumulator Packages, 1978-80
 58-519B-0-104, Optimization of Flat Plate Solar Collectors for Grain Drying,
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 12-14-3001-536, AR/DOE Pass-through Solar-Energy Grain Drying, 32-15-10-
 304, 1976-79
 NCR NC-151, Corn Varietal Characteristics Related to Breakage Susceptibility
 Assess 1890000 Project #10-400, 1981

Box 23:

- Agronomy
 1131-112, Dentrification and Other Trans. of Fertilizer Nitrogen in Agr. Soils,
 1979
 12-14-3001-775, 1978-81
 58-519B-9-850, Mechanism of Nitrate-Induces Inhibition of Dinitrogen Fixation
 in Soybean Nodules, 1979-81
 40.046, To Develop Methodology and Design Criteria for Disposal of Dilute
 Pesticide Residue Solutions, 1982
 Effects of Soil Development Over Time on Soils Constructed After Surface
 Mining, 1980-82
 579916-S, Acid Rain Research Facility (BNL), 1982
 58-519B-9-856, Characterization of carbon fixation mutants in higher plants,
 1979-82
 58-319R-0-165, Increasing the Useful Gene Pool of Legumes and Cereals, 1981
 Exploration for Wild Relatives of the Soybean on Several South Pacific Islands,
 1981
 1-44-15-15-384, Soybean Breeding Research Equipment #9000019 Project #15-
 101, 1982
 89-106-701-15-29 (15-315), Symbiotic N₂ Fixation in Soybeans, 1977-81
- Animal Science
 58-32U4-9-109, Development of a comprehensive set of color photographs of

- Beef Ribeyes, 1979-81
 58-519B-1-1119, Bioassays for Avian Follicle Stim. Hormone and Andreno corticotrophin Hormone, 1981-82
 44-15-20-3, Comparison of Corn Procon. and Soybean Meal for the Growing Calf Access 9000026 Project 20-102, 1981-82
 Welfare of Sows at Farrowing in Different Environments 9000028 Project 20-104, 1981
 20-333, Management Systems in Relation to Productive and Reproductive Efficiency in Swine #9000029 Project #20-112, 1981
 Alternative Mixing Strategies for Growing Pigs. Access 9000027 Project 20-103, 1981
 JU1-44-15-20-302, American Soybean Association and University of Illinois, 1978-79
- Dairy Science
 58-519B-8-802, Auto. Monitoring and Analysis of Physiological parameters of lactating dairy cows, 1978-82
 PL89-100, Dairy Science
- Food Science
 Food Science Evaluation of Protein Quality in the Dog 9000037 Project #50-103, 1981
- Entomology
 59-2171-0-1-452-0, Role of Phytoalexins in Soybean Resistance to Insects, 1980
 901-15-44, A Methodology for Predicting Pest Losses and Determining Characteristic Patterns in Crop Diseases, 1979-82
 Hepatic Secretion of Lecithin, Cholesterol Acyltransferase #1950000 Project #50-109, 1981-82
 89-106/616-15-68, Mechanisms and Physiology of Soybean Resistance to Insects, 1976-80
 15-0114, Physiological Processes and Energy Relations During Ontogenetic Development of Populus Deltoideus Plants, 1981
 89-106-616-15-172, Mineral Bioavailability, Functional and Organoleptic Properties of Processed Soy Foods, 1976-81
- Forestry
 13-603, Establishment, yield, Soil nitrogen contribution of selected Alnus glutinosa clones, 1978-81
 13-642, Recreational Forest Community in Chicago, 1978-81
 13-643, User Characteristics and Preferences of Urban Natural Areas Northeastern Illinois, 1978
 13-603, With North Central Forest Experiment Station, 1982
 55-0102, Recreational Impacts on Forests of High Scientific, Educational and natural value in the Chicago area, 1981-82
 42-362, 1981-82
 42-363, 1982
 13-419, Forestry - Trends in the Associated Land Market of Illinois, 1975-76
 81-0029, Analysis of Fire Effects in the Northern Rocky Mts., 1981
 42-317, Northeastern Area State and Private Forestry, 1980
 Models or Carbon Flow in Tropical Ecosystems with Emphasis on their Role in--- , 1982
 80.223, The Illinois Energy Plan the Demand Side, 1981

Horticulture

8101752, Chlorophyll Biosynthesis: the Reactions Between Mg-Protoporphyrin and Protochlorophyllide, 1980

HRFS

5901-0410-8-0077-0, Children's Food Preferences, 1981-82

53-32U4-9-187, Nutrient Content of Selected Vegetables for Different Geographical Areas of the United States, 1979-81

Memo of Understanding, Illinois Crop Improvement, 1975-76

American Soybean Association, University of Illinois, 1977-79

Protein Quality and Metabolic Response Interim Infants, Project 60-104, 1980-82
32-15-61-361, New Initiatives in Home Economics, 1981

Plant Pathology

701-15-113, Pesticide Impact Assessment Research and Data Analysis, 1977-80

12-16-5-2127, Plant Prot. and Quarantine Programs, 1978-82

Veterinary Medicine

59-2171-0-2-131-0, Endotoxin Absorption from the Cecum and Lactation Failure in the Sow, 1980-81

59-2171-0-2-134-0, Coliform Endotoxins in MMA Sows, 1980-81

58-32U4-8-15, Sulfonamides in Swine urine and feces as a factor in the incidence of sulfonamide residues, 1978-82

1-32-15-70-375, Development of Multidrug Screening Procedure for Swine Blood and Tissue #9000032 Project #70-603, 1981-82

12-14-1001-981, Veterinary Medicine Research on foreign animal science, 1977-78

12-14-5001-107, Vee research project, 1974-75

58-9 AHZ-0-523, Teratogenicity of Conium Maculatum in Swine, 1980-82

12-14-3001-510, Immunologic and Virologic Studies on Transmissible Gastroenteritis of Swine, 1975-76

12-14-1001-805, Transmission of Trichinosis to Swine, 1976-78

North Central Directors

NC Directors Meeting

July 30-August 3, 1978, Anchorage, Alaska

March 20-22, 1978, Clay Center, Nebraska

November 13, 14, 15, 1978, St. Louis-Land Grant Meeting

November 15-16, 1977, Washington, D. C.

July 13-15, 1977, Custer State Park, South Dakota

March 14-16, 1977 spring, Manhattan, Kansas

November 15-17, 1976, Washington, D. C.

July 12-14, 1976 summer, Cambridge, Ohio

March 25-25, 1976 spring, Fargo, North Dakota

November 19-20, 1974, Washington, D. C.

July 15-17, 1975, Amana, Iowa

March 18, 19, 20, 1974, St. Louis, Missouri

November 14, 1973, Denver, Colorado (with NASULGC)

July 16-18, 1973, Mandan, North Dakota

March 19-21, 1973, Peoria, Illinois

November 14-15, 1972 winter meeting, Washington, D. C.

Funds for Research (Ag. Exp. Station), 1956-66, 1967-75

Box 24:

July 17, 1972, Abilene, Kansas
 Spring 1972, Kansas City, Missouri
 Fall, November 6, 1971, New Orleans, Louisiana
 Special Meeting, September 26-27, 1972, Clay Center, Nebraska
 Land Grant Meeting, November 8-11, 1970, Washington, D. C.
 NC Development of Forest and Recreational Resources, Memo of Agreement, Iowa and
 University of Illinois
 NC, George Browning, 1971
 Contracts, Grants and Proposals
 Ag. Economics (3 folders), 1976, 1977, 1978
 Ag. Engineering (3 folders), 1976-78
 Ag. Entomology (3 folders), 1976-78
 Agronomy (3 folders), 1976-78
 Animal Science (3 folders), 1976-78
 Dairy Science (3 folders), 1976-78
 Food Science (3 folders), 1976=78
 Forestry (2 folders), 1976-77
 Home Economics (HRFS) (3 folders), 1976=78
 Horticulture (3 folders), 1976-78
 Plant Pathology (3 folders), 1976-78
 Veterinary Research (3 folders), 1976-78

Box 25:

North Central Files, Ag. Experiment Station
 NC-2, Improving Dairy Cattle Through Breeding with Special Emphasis on Selection (2
 folders), 1974-78, 1976-78
 NC-7, New Plants, 1974-75
 NC-89, Nature and Utilization of Genetic Variation Influencing Economic Traits in the
 Fowl, 1973-78
 NC-93, Livestock Waste Management Systems for the 1980s
 NC-94, The Climatic Resources of the North Central Region, 1972-76
 NC-101, Dairy Marketing, 1971-78
 NC-102, Rural Development in Great Plains, 1973-78
 NC-104, Systems Analysis Grain Marketing, 1972-76
 NC-108, Changes Food Practices for Better Nutrition, 1971-78
 NC-112, Changing Transportation Systems, 1971-78
 NC-117, Organization and Control of the U. S. Food Production and Distribution System,
 1973-76
 NC-118, Utilization and Disposal of Various Wastes on Land, 1972-77
 NC-123, Demand for Community Services, 1973-78
 NC-119 (1), Improving Large Dairy Herd Management Practices, 1976-79
 NC-119 (2), Improving Large Dairy Herd Management Practices, minutes and station
 reports, 1977-78
 NC-119 (3), Improving Large Dairy Herd Management Practices, Annual Progress
 Report-76, 1974-77
 NC-126, Ecological Impacts of Use on Outdoor Recreation Sites in the North Central
 Region, 1974-77

Box 26:

- NCT-118, Provisions of Food and Agr. Act of 1977
NCT-119, Cost/Benefit Analysis of Agricultural Research-NC Region, 1978
NCT-120, Development of Parenting Behavior, 1977-80
NCT-121, Crops, Soil, Animal Management Systems for Driftless Soils of Upper Mississippi Valley, 1978
SM-42, Predicted Effects of Selected Policy and Tech. Changes in Grain Market Systems, 1974-77
NC-127, Agalactia Syndrome of Sows, 1974-79
NC-130, Economical Aspects of Vertical Coordination between Cow-Calf and Feed-lot Operators, 1974-79
NCA-7, Dairy Production Advisory Committee (75-78), 1966-79
NCA-138, Correcting Dietary Selenium Deficiencies in Ruminant Livestock, 1976-78
NC-134, NC Regional Center for Rural Development, 1976-78
NCA-10, 1976-78
NCR-63, Mycotoxins, 1964-76
NCR-107, Plant Breeding for Physiological Traits, 1978-80
NCR-12, Irrigation and Drainage, 1972-73
NCR-22, Small Fruits Research, 1975-76
NCR-57, Reproductive Physiology, 1976
NCR-68, Small Watersheds, 1975-80
S-95, Housing for Low- and Moderate-Income Families, 1978-79
W-67, Soil-Plant-Water Relation, Use and Conservation of Water, 1975-76
NCR-88, Beef Growing-Finishing Systems, 1976
NCR-96, Crop Production Systems, Reduced Tillage, 1974-79
NCM-41, Market Quality of Wheat, 1974-75
NCM-45, Market Quality of Processed Potatoes, 1971-78
NCM-46, Improved Processing and Utilization, 1971-75
NCRS-1, Commercial Ag., Task Force #4, Regional Land Use, 1975-77
Task Force #5, Prices and Incomes Policy, 1973-78
Task Force #6, Public Resources in Res., 1971-74
Task Force 7, Ag. Productivity, 1976
Task Force 8, Risk Management, 1975
Task Force 9, Comprehensive Econometric Model of the U. S. Ag. Sector, 1976
NCRS-2, Natural Resources Development, 1972-78
NCRS-3, Community & Human Resource Development, 1973-77
NE-61, Physiological Responses of Chickens to Environment, 1972-78
NE-66, Genetics and Physiology of Sweet Corn Quality, 1973-78
NE-79, Consumer, Market and Lab Studies of Flame-Resistant Textile Items, 1974-78
NE-95, Impact of Climatic Variability on Agriculture, 1979
NCT-110, Family Resources: A Systems Analysis of Use, Allocation and Development, 1974-75
NCT-112, Dairy Cattle Forage Utilities, 1976-77
NCT-113, Plant Breeding, 1976-77
NCT-114, Photosynthesis, 1977
NCT-115, Chemical Changes in Atmospheric Deposition, 1977
NCT-117, Marketing and delivery of Quality Grain to Foreign and Domestic Markets, 1977-78
R-4, 1975-76
WRCL-16, Growth of Agricultural Firm, 1975

Box 27:

- IL Grop Improvement Ass. Inc., Project Award #10, "Fingerpainting Soybean Varities," 7/79-6/80.
- Administration Title V(RD) #01-321, "Goals and Priorities of the People of Illinois," 1/80-6-80
- Agricultural Economics
- 05-101, "Microcomputer Cash Flow Program," 7/1/82-6/30/83
 - 05-201, "Economic Effects of Underground Mining Upon Land for Illinois Agriculture," 9/1/83-3/31/84
 - 05-204, "Case Study of Grain Elevators Filing Bankruptcy," 8/1/82-11/1/82
 - 05-205, "Strengthening the Skill of IL Soil and Water Conserv. Dist. for Soil and Water Quality Mgt." 10/1/82-9/30/84
 - 05-207, "Swine Herd Health; Measurement of Economic Losses from Pseudorabies and Other Diseases and Parasites; Cost-Benefits from Prevention and Treatment," 6/15/84-12/31/85
 - 05-209, "Agribusiness and International Trade," 4/15/84-6/30/84
 - 05-210, "Financing Alternatives for Assisting IL Ag." 9/1/85-8/31/86
 - 05-401, "Measurement of Analysis of Corn and Soybean Basis Uncertainty," 12/1/83-9/30/84
 - 05-700, "Estimation of Economic Cost of Ozone on IL Cash Grain Farms," 9/1/82-8/31/83
 - 05-702, "Evaluation of Conservation Achievement Contracts for Implementing Soil and Water Conservation Program," 7/1/82-9/30/83
 - 05-703, "Design of Growing Season Climate Forecasts for Midwestern Ag." 3/1/83-8/31/84
 - 05-704, "Costs and Benefits of Pesticide Use," 1/84-12/84
 - 05-705, "Pollution Control Analysis," 7/1/81-12/85
 - 05-707, "Corn Stover Feedstock Supply Analysis," 2/21/84-7/15/85
 - 05-708, "Lead Lag Relationships Between Live Cattle and Future Prices, Cash Boxed Beef Qoutes and the USDA Cut-out Value Series," 10/1/85-12/31/85
 - 05-801, "Economic Analysis of the Production, Marketing, and Distribution System for Grains and Oilseeds in the United States," 10/1/84-9/30/86
 - 05-802, "Socio-Economic Evaluation of Highland Silver Lake Rural Clean Water Project, " 4/1/85-7/31/85
 - 05-805, "Tillage System-Crop Budgets," 9/28/81-9/30/83
 - 05-807, "Farm Income Protection Insurance Program," 11/1/82-7/30/83
 - 05-808, "Structural Identification, Costs, and Returns of Livestock Enterprises in the Cornbelt States," 10/1/84-9/30/84
 - 05-813, "An Assessment of Local Government Options for Meeting Rural Transportation Facility Needs," 9/15/83-8/20/86
 - 10-101, "Soybean Oil as a Carrier for Low Volume Ground Application of Pesticides," 6/1/81-5/31/85
 - 10-109, "Potential Contribution of Sediment to Surface Waters From the Erosion of Surfaced Mined Lands," 7/81-9/81
 - 10-201, "Butanol Production by Fermentation of Extruded Corn," 1/1/82-12/31/83
 - 10-207, "An Integrated Biomass Energy System for Illinois Agriculture," 1979-85
 - 10-208, "Strategies for Reducing Agricultural Electrical Consumption," 7/15/85-8/31/85
 - 10-219, "Evaluation of a Diesel Tractor Fueled with Ignition Improved Thanol," 8/21/88-12/21/90

- 10-701, "Feeding Trials of Animal Waste-Grain Fermented Feeds Using Recycled Animal Waste," 4/1/84-9/30/85
- 10-501, "Effect of Nonpetroleum Fuels on Durability of Direct-Injection Diesel Engines," 9/15/81-9/30/83
- 10-601, "Combustion of Agriculturally Derived, Nonpetroleum Fuel in Diesel Engines," 4/83-9/83
- 10-674, "Hydrogen and Protein by Off-Peak Depolarized Electrolysis of Biomass," 6/1/80-5/31/82
- 10-702, "Efficient Water Management on Claypan Soils in the Midwest," 10/1/80-12/31/83
- 10-801, "Drainability of High Clay Content Soils with a Restrictive Layer," 10/1/81-12/31/83

Agricultural Entomology

- Grant #5901-0410-8-0067-0 - "Coevolutionary Behavior of Corn Rootworms Attacking Corn and Cucurbits," 1/1/81-12/31/83
- 12-801, "Risks of Neurotoxic Effects Following Dermal Exposure to Organophosphate Pesticides," 3/1/81-3/31/83
- 12-803, "Screening of Pesticides Used in Model Ecosystem," 3/1/83-2/29/84
- 12-807, "The Use of Microsporidia for Population Management of the Gypsy Moth," 4/15/84-9/30/85

Agronomy

- Coop. Agreement #58-519-B-9-852 - "Symbiotic N₂ Fixation of Nitrate Reductase Deficient Mutants of Soybeans," 9/10/79-9/30/82
- Coop. Agreement #58-519B-0-920 - "Soil Nitrogen Transformations as influenced by N Fertilization and Tillage Systems for Corn Production," 6/10/80- 3/31/83
- Grant #81-CRCR-1-0754 - "Herbicide Action and Selectively in Photosynthetic Electron Transport," 1982-9/30/83
- 15-107, C-4 Grasses with Legumes: An Energy Efficient Biomass System," 1/1/81-12/31/83
- 15-108, "Evaluation of the Effectiveness of Liming Materials," 9/1/80-8/31/83
- 15-112, "Development of a Somatic Cell Genetic System for Soybeans," 12/1/82-12/31/85
- 15-115, "Genetic and Physiological Studies to Establish the Role of N in Grain Productivity in Maize," 5/81-4/30/84
- 15-131, "Soybean Breeder Program," 8/21/81-8/20/82
- 15-148, "High School Apprenticeship in Science," 5/1/83-8/20/84
- 15-none, "Physiological-Genetic Aspects of Ion Uptake," 1/87-12/87
- 15-396, "Loading Maize Chromosomes with Genetic Transfer from *Tripsacum Dactyloides*," 5/2/78-5/1/82
- 15-500, "Genetics of Maize - *Tripsacum* Introgression," 4/2/81-9/30/83
- 15-501, "Transfer of Genetic Material and Regeneration of Altered Plants," 10/1/81-9/30/83
- 15-502, "Develop Maize Genotypes with Altered Enzyme Systems and Products for Efficient Nitrogen," 10/1/81-9/30/84
- 15-503, "Effects of Water Stress on Photosynthetic Co₂ Assimilation," 9/1/81-8/31/84
- 15-504, "Physiological and Molecular Basis for Chilling-Impairment of Photosynthesis," 9/1/82-8/31/84
- 15-502, "N₂ Fixation and N Supply Effects on Soybeans Seed Fill Duration and Yield," 10/1/86-9/30/88

- 15-600, "Glyceollin Effects on Mitochondria From Different Soybean Genotypes and Their Pathogens," 4/1/81-9/30/84
- 15-700, "Soil Nitrogen Transformations as Influenced by N Fertilization and Tillage Systems for Corn Production," 6/10/80-3/31/83
- 15-701, "Carbon Nitrogen Interaction in Crop Production," 5/1/80-10/31/82
- 15-702, "Studies of Fused Crown Gall and Normal Protoplasts," 4/1/80-9/30/83
- 15-705, "Spatial Variability of the Character of Contemporary Eolian Deposits in the Colorado Front Range," 10/15/82-3/31/84

Box 28:

- 15-708, "Systematics of *Tripsacum* (Gramineae)," 3/1/82-8/31/84
- 15-709, "Control of Amino Acid Biosynthesis in Mutant Plant Cell Cultures," 8/1/81-12/31/86
- 15-711, "Limitations and Energetics of Hydrophobic Sorption of Organic Compounds by Soils and Sediments," 10/1/82-9/31/83
- 15-802, "Development of Carbon, Nitrogen, and Water Budgets of Soybeans," 4/24/80-6/1/83

Animal Science

"Role and Mode of Action of Interleukin-1 in Meditating Immunologic Stress," University relinquished responsibility of project due to resignation of P.I.

- 20-105, "Efficacy of Several Protein Preparations for the Weaning Pig," 7/1/82-6/30/83
- 20-110, "Evaluation of CP-53, 607 for Growth Promotion in Swine," 5/1/85-4/30/86
- 20-114, "Effect of Amperozide on Aggressive Behavior and Growth Performance in Pigs Following Mixing," 10/22/84-3/15/85
- 20-115, "Evaluation of Liquid Streptomyces Solubles for Swine," 1/1/85-12/30/85
- 20-201, "Enhancing the Pregnancy Rate of Mares Bred at Foal Heat," 7/1/83-6/30/84
- 20-708, "Conference on Quantative Genetics and Biotechnology," 1/1/86-12/31/86
- 20-801, "Improving Feed Value of Lignocellulosic Materials," 8/10/83-9/30/86
- 20-804, "Consequences of Applications of Modern Reproductive Technology to Commercial Swine Production," 9/27/83-9/30/86
- 20-807, "Gordon Research Conference on Quantitive Genetics and Biotechnology - Partial Support Thereof," 9/9/85-10/30/86

Dairy Science

- 35-101, "Electronic Aids for Estrus Detection," 7/82-6/85
- 35-103, "Effects of Ammonium Salts of VFA and Rumen Protected Amino Acids on Dairy Cow Performance," 3/83-3/85
- 35-105, "Effects of Feeding Dairy Cows Rumen Stable Amino Acids," 2/83-2/85
- 35-106, "Use of Bovine DNA Probes in the Development of Gene Screening Techniques for Individual Cattle," 7/84-6/85
- 35-108, "Automation and Electronics for Dairy Herd Management," 10/10/83-10/10/85
- 35-802, "Degradation and Fermentation of Hemicellulose by Rumen Bacteria," 8/25/83-9/30/86

Animal Science

- 20-106, "Behavior of Swine as it Influences Reproduction," 12/1/82-4/30/83
- 20-107, "Insulin Resistance in Heart Cells," 7/1/81-6/30/83
- 20-108, "Effect of DOWCO 464 on the Performance of Growing-Finishing Pigs," 6/15/83-6/14/84
- 20-111, "Genetics of Blood Types and Stress Susceptibility," 7/1/81-6/30/83
- 20-113, "Evaluation of CL 263, 780," 1/1/84-12/31/84
- 20-119, "Gestation Environmental Alternatives: A Behavioral, Functional & Performance Study," 7/1/82-6/30/83
- 20-700, "Mechanism of Hormone Action in Ovarian Follicles," 3/1/80-2/28/83
- 20-701, "Request for Biological Instruments," 6/1/82-5/31/83

Dairy Science

- 35-102, "Response of Dairy Cows to Combinations of Rumen-Stable Methionine Plus Rumen-Stable Lysine," 1/82-1/84
- 35-104, "Orotic Acid dMetabolism in Man," 1/1/83-12/31/83
- 35-401, "Preparation of Bovine Placental Lactogen Gene for Transfer to Mouse Embryos and Determination of Gene Expression in Transgenic Mouse Tissues," 10/1/83-9/30/84
- 35-701, "Interactions of Microbial Cohabitants and Their Ecosystem," 9/1/80-2/28/83
- 35-702, "Transport Mechanism for IgG1 Across the Mammary Secretory Cell," 8/15/81-8/15/85
- 35-703, "Survival Capability: Anaerobic Microbial Cohabitants," 1/1/80-1/1/82
- 35-705, "Preparation of Bovine Placental Lactogen Gene for Transfer to Mouse Embryos and Determination of Gene Expression in Transgenic Mouse Tissues," 7/1/83-6/30/84
- 35-706, "Technical Writing Course for Agriculture Students," 9/23/84-9/22/85
- 35-801, "Genetic Control of Production and Reproduction in Dairy Goats," 4/29/81-4/30/83

Animal Science

- 20-501, "Effect of Riboflavin Deficiency on Maternal, Fetal and Neonatal Health," 9/15/82-9/30/84

Serum Tests to Define the Development of Atherosclerosis in Response to:
FRA-86-HL-8-P by: F.A. Kummerow 348-32-1319, University of Illinois

(Component Projects)

Serum Tests to Define the Development of Atherosclerosis in Response to:
RFA-86-HL-8-P by: F.A. Kummerow 348-32-1319, University of Illinois,

(Resource Core Units) (Appendix)

Development of Vegetable Varieties Genetically Engineered for Superior Growth and
Development Within Controlled Environment Production Systems

Food Science

- 50-105, "26-Hydroxycholesterol: Its Relationship to Serum Cholesterol Levels and its Effect on Cellular Properties," 9/1/86-8/31/87
- 50-112, "The Relationship Between 26-Hydroxycholesterol and the Development of Atherosclerosis," 1/1/85-12/31/86
- 50-113, "Evaluation of the Quality and Functionality of Casein Prepared From Reconstituted Nonfat Dry and Fresh Fluid Skimmilk," 1/1/85-9/30/86
- 50-116, "FAO Reimbursable Loan Agreement," 11/17/85-1/11/86
- 50-601, "Genetic Amplification of Alpha-Amylase in Clostridium Acetobutylicum," 9/83-2/86
- 50-101, "The Effects of Propyl Paraben on the Viability of Microorganisms in Sausage and Ham," 4/1/83-8/1/83
- 50-120, "Effect of Food Processing Conditions Upon the Formation of Phytate-Peptide-Mineral Complexes in Soybean Foods," 10/1/80-9/30/81
- 50-104, "Ceramic Membranes," 7/1/83-6/30/84
- 50-107, "Alterations in Selenium Requirements by Dietary Antagonists," 7/9/79-6/30/83
- 50-108, "Stress and the Vitamin A Requirement," 10/79-8/19/84
- Forestry
- 55-202, "Multiple Resources Inventory System for Illinois," 8/30/82-5/30/83
- Food Science
- 50-401, "Utilization and Nutritional Aspects of Mature Winged Bean Seed," 7/1/83-6/30/84
- 50-501, "Essential Fatty Acids and the Immune Response," 10/81-9/83
- 50-502, "Biochemical & Biophysical Influence of Dietary Essential Fatty Acids Cells," 10/1/83-12/31/86
- 50-701, "Arginine Deficiency and Orotic Aciduria," 4/1/82-3/31/83
- 50-703, "Effect of Selenium on Normal and Neoplastic Mammary Cells," 12/1/82-6/30/87
- 50-704, "Dietary Arginine and Tumor Growth and Development," 1/1/83-12/31/83
- Forestry
- 55-101, "Woody Biomass Production for Energy Using Municipal Sludge Amended Land," 6/83-5/84
- 55-105, "Woody Biomass Production Through Solar Energy Conversion," 6/1/82-5/31/84
- 55-110, "Evaluation of Ilwas Model Performance Under a Supercomputer Computational Environment," 4/1/86-9/30/86
- 55-201, "Bio-Energy Conversion Systems," 9/1/82-6/30/85
- 55-204, "Woody Biomass Production Through Solar Energy Conversion," 10/84-9/30/85
- 55-801, "Characteristics of Naturally Reproduced Oak Populations," 6/4/81-6/30/84
- 55-803, "Pattern of Soil Nitrogen Accretion Around Nitrogen Fixing Alners," 11/81-10/30/84
- 55-812, "Feasibility of Combining Walnut, Honeylocust, Pine and Yellow Poplar with Row Cropping," 10/1/84-9/30/86
- 55-806, "Patterns of Soil Nitrogen Accretion Around Nitrogen-Fixing Trees and Shrubs," 8/24/82-9/1/84
- Box 29:
- 55-807, "Farming and Forestry--An Integrated Approach," 10/1/82-9/30/83
- 55-808, "Kiln-Drying Firewood on a Commercial Scale," 6/1/84-8/30/84

Human Resources & Family Study

- 60-102, "Interior Mounted Solar Hot-Air Flat Plate Collector," 11/82-11/83
- 60-104, "Protein Quality and Metabolic Response in Term Infants," 11/1/80-6/85
- 60-105, "Nutrient Content of Selected Home and Institutionally Prepared Foods," 9/15/80-2/28/85
- 60-110, "Eating as a Means Activity at Mealtime: Effects on Children's Preference for & Consumption of Dairy Products," 9/1/84-8/31/85
- 60-None, "Exercise and Nutritional Status of Adult Women," 10/1/80-9/30/83
- 60-401, "The Effects of Eating Out Practices on Diet Quality, Food Expenditure, & Shopping Practices," 8/21/81-8/20/83
- 60-503, "Factors Influencing Folate Status During Infancy," 10/1/79-8/31/83
- 60-501, "Iron Status and the Immune Response," 9/15/81-12/31/85
- 60-601, "(F-H) Group Projects Abroad Program - Training and Research in the West Indies," 5/1/84-8/30/84
- 60-701, "Ethnic Values and the Structure of Agriculture," 4/9/81-9/30/84
- 60-705, "Training and Research in Cirolevel Analysis for International Development Studies," 5/84-1/85
- 60-702, "Activity Structure and Sex-typed Behavior," 1/6/83-8/31/83
- 60-703, "Cellular Growth of Skeletal Muscles: Influences of Diet," 1/4/82-4/85
- 60-802, "Family and Ethnic Characteristics of Farmland Sellers," 10/1/84-9/30/86
- 60-803, "Non-Financial Indicators of Farmland Values in Illinois," 6/84-12/20/85

Horticulture

- 65-700, "Metabolism of Myo-Inositol and D-Glucuronic Acid as Related to Plant Cell Growth," 3/21/80-8/31/84

Nutritional Sciences

- 67-101, "Regulation of Lipid Metabolism by Nutrition and Exercise," 7/1/85-6/30/86

Plant Pathology

- 68-502, "Characterization of the Genome and Replication of a Single-Stranded DNA Plant Virus," 10/79-9/4/83
- 68-801, "Assessment of Pesticides (Fungicide and Insecticide Usages by Commercial and Municipal Arborists in the Urbana Environment," 1/1/82-6/30/83
- 68-802, "The Evaluation of Captan as a Seed Treatment for Corn," 3/1/81--3/31/83
- 68-201, "Fungicidal Grain Protectants to Improve Grain Quality and Profitability," 6/1/84-5/31/86
- 68-604, "Acid Rain Effects on Foliar Diseases of Corn and Soybeans," 11/1/84-8/21/88
- 68-804, "Biology, Pathology, Epidemiology and Control of Pyrenochaeta Leafspot of Soybeans," 10/1/84-10/30/85

Vet. Res.

- 70-608, "MMA in the Sow What Regulates Prolactin Secretion," 8/15/83-8/31/85
- 70-903, "Bovine Anaplasmosis: Vaccine Development Using Soluble Antigens," 12/15/82-6/30/86

Vet Medicine

- Grant Project #172 - "Risks of Neurotoxic Effects Following Dermal Exposure to Organophosphate Pesticides," 10/14/80-9/30/83

Vet. Res.

- 70-106, "Toxicodynamics of Trichothecene Mycotoxins in Swine and Cattle," 6/4/79-10/30/82
- 70-307, "Pathogenesis of Leptospirosis on Goats," 7/20/79-9/30/84
- 70-601, "Tissue Culture-Derived Vaccine for Bovine Anaplasmosis," 7/15/81-7/31/84
- 70-604, "Detection of Estrus in Stanchioned Dairy Cattle by Monitoring Behavioral

Traits," 7/1/80-12/31/83

70-606, "Toxicological Survey of Current Problems in Large Domestic Animals,"
10/14/81-5/30/85

70-610, "Vaccine for Transmissible Gastroenteritis (TGE) of Swine," 10/1/80-8/31/85

70-702, "Epidemiology and Etiologic Factors in MMA sows, Preventive Treatments,"
7/1/80-6/30/83

Food Science

50-120, "Inhibition of Warmed-Over Flavor in Beef Products," 9/1/86-8/31/87

ICMB 05107 Access.. No. 9000191 - "Increasing Illinois Exports Through Improved
Corn Quality," 4/1/84-12/31/86

ICMB 05106 Access.. No. 9000190 - "Economic Consequences of Changing Moisture
Meter Calibrations to an International Standard," 4/1/84-3/31/85

ICMB 22 84-0003-02UI - "Fungicidal Grain Protectants to Improve Grain Quality for
Domestic and Export Market and to Improve Profitability for Corn Producers,"
2/16/84-2/16/86

ICMB 44 85-0009-03 - "State Certification of Quality Characteristics for Illinois Corn
and Soybeans," 1/85-12/87

ICMB 49 85-0010-02 - "Increasing Farm Prices for Processing Quality Corn," 1/85-
12/87

ICMB 97 87-0024-01-UI - "Effect of Frequency of Feeding and Feed Processing on
Rumen Fermentation, Diet Acceptability, Milk Production and Milk
Composition," 5/1/87-6/30/88

ICMB 57 85-0011-01 - "Lactation Performance of Dairy Cows Fed High Amounts of
Wet Corn Glueten Feed," 8/1/85-7/31/86

ICMB 64 85-00012-01 - "Nutrients Supplied Through Corn That Alleviates
Atherosclerosis," 10/1/87-10/30/89

ICMB 70 86-0015-01 - "Genetic Amplification of Alpha-Amylase in Clostridium
Acetobutylicum SA-1 for Improved Conversion of Corn Starch to Butanol,"
3/21/86-3/20/87

ICMB 77 86-0017-02 - "Fungicidal Grain Protectants to Improve Grain Quality by
Prevention of Storage Mods and Expanding the Use of Low Temperature
Drying," 2/21/86-8/88

National Pork Producers Council Proposals

"Neonatal Piglet Growth and Development: Effects of Induced Farrowing on
Colostrum Composition," 4/1/88-3/31/90

"Pg Feeder Design: Biological and Physical Factors," 7/1/88-6/30/89

"Impact of Federal Tax Laws on the Structure of the Pork Industry," 2/1/88-
2/1/89

"Swine Acute Phase Plasma Proteins as Indicators of Physiologic Stress," 7/1/88-
6/30/89

Award #25, "Pork Quality: Effects of the Hog's Rearing Environment," 9/1/85-8/31/86

Award #26, "Palatability Characteristics of Midwestern Pork," 9/1/85-8/31/86

Award #24, "Mechanism of Action of Xenobiotics on Ovulation," 10/1/84-9/30/85

Award #14D, "Progeny Testing and Fertility Evaluation in Swine," 9/1/85-8/31/86

Award #23, "Evaluation of Fumaric Acid," 11/1/84-10/31/85

- Award #22, "Surgical Insemination in Ligated Uterine Horns to Evaluate Fertility in the Boar," 10/1/84-12/31/85
 Award #21A, "Manure Rate Study," 9/1/85-8/31/86
 Award #27, "Evaluation of Surimi-Like Raw Material Made From Pork," 4/1/87-3/31/88
 35-132, "An Evaluation of a Computer Controlled Individual Feeding System for Group Housed Sows," 7/1/87-6/30/88
 35-134, "Sow Feeder Design: Biological and Physical Factors," 7/1/87-6/30/88

Box 30:

- Award #28, "Increasing Consumer Demand for Pork with New Extruded Pork Products," 4/1/87-3/31/88
 Award #31, "Extruded Pork Products," 7/1/88-6/30/89
 ISPOB Progress Reports 1988
 ISPOB Progress Reports 1987
 ISPOB Progress Reports 1986
 ISPOB Progress Reports 1985
 Award #80, "Generation Advance and Field Evaluation of Soybean Breeding Lines," 8/21/87-8/20/90
 Award #74, "State Certification of Grain Quality," 1/27/86-1/26/88
 Award #51, "Improving Soybean Productivity and Seed Quality Through Alterations in Amount and Chemical Form of the Seed Phosphate," 7/1/81-6/30/85
 Award #52, "Effects of Conservation Tillage Systems on Soybean Root Disease Incidence, Root Growth, and Yield," 5/1/81-4/30/85
 Award #63, "Influence of Lipoyxygenase Activity and Autoxidation on Flavor and Aroma of Soy Oil," 5/1/83-4/30/85
 Award #64, "Identification and Evaluation of Nematode-Destroying Fungi as Possible Biological Control Agents of the Soybean Cyst Nematode in Illinois," 5/1/83-4/30/86
 Award #65, "Evolution of N Compounds from Soybean Plants Under Ambient Conditions," 5/1/83-4/30/86
 Project #85-ISPOB-11-70-3 "Soybean Breeder Program," 8/21/85-8/20/88
 Project #85-ISPOB-11-71-3 "Soybean Extension Program," 8/21/85-8/20/88
 Project #86-ISPOB-12-73-2 "SDS Research Project" 10/85-6/88
 Project #87-ISPOB-13-81-3 "Physical and Optical Properties of Soybean Seeds Damaged by Various Seedborne Fungi and a Virus," 6/1/87-10/90
 Agreement #12-17-04-8-1182 "Economic of Alternative Rural Transportation System of Bulk Agricultural Commodities for the North Central Region," 2/20/75-6/30/75

Ag Economics

- 05-306, "Accounting and Information Systems for Farm Operations," 1/1/81-9/30/86
 05-307, "Economics of Farm Machinery and Equipment," 10/11/80-9/30/84
 05-309, "Resource and Business Organization Adjustments by Illinois Farm Operation," 4/1/78-9/30/84
 05-301, "Computer Technology and Computer Program Evaluation with Applications for Illinois Farms," 10/1/80-9/30/86
 05-318, "Financial Management Strategies for Farmers," 10/22/82-9/30/86
 05-327, "Legal Aspects of Land Use Issues in Agriculture," 8/11/80-9/30/85
 05-330, "Managing Related Water and Land Resources in the Midwest," 8/6/81-9/30/85
 05-332, "Energy Potentials in Illinois Biomass and Coal," 1/14/81-9/30/83
 05-335, "Economics of Soil Erosion and Soil Conservation Policies," 11/10/80-9/30/85
 05-336, "Agricultural Land: Economic Use, Value, Ownership, Transfer, Tenancy, and Policy," 9/11/80-9/30/85

- 05-342, "Economics for Agriculture Production," 12/30/70-1/22/80
- 05-343, "Price-Quality Relationships for Imported Grain in the European Community,"
4/10/80-9/30/84
- 05-349, "Livestock and Meat Marketing in Illinois and the North Central Region,"
1/1/81-9/30/86
- 05-350, "Regional Advantages in Producing and Marketing Woody Ornamentals,"
1/10/82-9/30/87
- 05-355, "Food Consumption Behavior in an Industrialized Setting," 1/1/82-9/30/85
- 05-357, "Aquaculture Production and Marketing in Illinois," 1/1/82-9/30/85
- 05-358, "Analysis of Changes Occurring in the Illinois Farm Production Inputs Sector
with Projections to 1990," 1/8/79-9/30/83
- 05-370, "The Economics of Surface and Underground Mining and Illinois Agriculture,"
1/10/81-9/30/85
- 05-373, "Population Redistribution in the Nonmetropolitan Areas of North Central
Region," 1/1/81-9/30/84
- 05-375, "Small, Part-time Farmers: A Continuing Study of Small-Scale Agriculture in
Illinois," 1/6/82-9/30/85
- 05-377, "Analysis of Current Economic and Policy Changes on U.S. Foreign Trade
Pattern," 1/4/79-9/30/83
- 05-378, "Energy Analysis for Midwest Agriculture," 1/10/79-9/30/82
- 05-386, "Estimation of Resource Growth Models and Dynamic Market Structures,"
1/1/81-9/30/84

Ag Engineering

- 10-300, "Agricultural Engineering Station Administration
- 10-311, "Treatment Systems for Livestock Wastes and Rural Home Sewage," 10/1/81-
9/30/86
- 10-314, "Nitrogen as an Environmental Quality Factor--Determining and Modeling the
Various Steps of the N Cycle," 4/71-6/30/76
- 10-315, "Lake Bed Sediments for Agricultural Production: Techniques and Water
Quality Implications," 1/10/81-9/30/86
- 10-316, "Integrated Alcohol-Biogas Energy System," 1/10/81-9/30/84
- 10-319, "Hydraulic and Hydrologic Models of Components of Soil and Water Control
Systems," 7/1/64-10/30/83
- 10-328, "Off-Road Equipment Operator Vibrator," 10/1/77-9/30/82
- 10-331, "Timeliness Models for Application of Pesticides," 10/1/85-9/30/90

Box 31:

- 10-334, "Energy Effective, Soil-Conserving Management Programs for the Personal
Computer," 7/1/74-9/30/85
- 10-335, "Reducing Dependence of Tractors on Petroleum Fuels," 10/1/80-9/30/85
- 10-337, "Improving Soybean Production Systems for Soil and Energy Conservation,"
10/1/80-9/30/85
- 10-373, "Milking Parlor Development, Mechanization, and Automation," 10/58-9/30/87
- 10-376, "Electrochemical Conversion of Biomass into Protein and Hydrogen," 6/79-
9/30/82

Ag Entomology

- 12-323, "Environmental Implications and Interactions of Pesticide Usage," 12/71-9/30/80
- 12-326, "Phenology and Genetics as Ecological Bases for the Management of the
European Corn Borer," 7/1/75-9/30/85
- 12-039, "Enhanced Degradation Soil Insecticides as a Limiting Factor in Insect Control,"

- 10/1/81-9/30/87
- 12-333, "Soybean Production and Management Simulation Models," 10/1/80-9/30/85
- Agronomy
- 15-313, "Cellular Photosynthetic Processes and the Regulation of Photosynthesis," 10/1/77-9/30/82
- 15-316, "Rubidium in Illinois Soils," 1/82-9/85
- 15-320, "Soil Survey Classification & Genesis & Interpretation of Illinois Soils," 7/1/75-9/30/85
- 15-324, "Plant Breeding For Physiological Traits," 10/1/80-9/30/87
- 15-334, "Identifying Limiting Factors for High Crop Yields," 10/81-9/87
- 15-337, "Introgression of Wild Glycine Germplasm into the Soybean Through Wide Crosses," 5/3/79-5/30/83
- 15-342, "Irrigation Scheduling Methods for Efficient Water and Energy Use," 10/1/81-9/30/87
- 15-343, "Genetics of Plasmids in Rhizobium Japonicum," 9/1/74-9/30/82
- 15-349, "Nutrient Uptake Characteristics of Plant Roots," 2/1/80-9/30/85
- 15-351, "Mechanisms of Growth Inhibition by Water Deficits in Corn," 10/79-9/30/84
- 15-366, "Electrophoresis and Surface Chemistry of Clay Separates," 7/1/73-9/30/83
- 15-369, "Cytological and Genetical Studies of the Soybean, Glycine Max (L.) Merrill," 7/1/58-9/30/85
- 15-370, "Investigation of Single and Double Crop No-Tillage Grain Production Systems," 1968-9/30/83
- 15-372, "Use of Soil Maps for Relating Productivity to Land Value for Land Tax Assessment," 1/21/55-9/30/82
- 15-376, "Improving Seasonal Distribution of Forage Yield and Quality on Soils of Southern Illinois," 5/79-9/85
- 15-381, "The Dynamics and Energetics of the Soil-Plant-Atmosphere Continuum," 7/75-9/82
- 15-386, "Evaluation of Mutant Sorghum Lines Having Possible Plant Breeding Value," 12/60-12/83
- 15-390, "Increasing and Maintaining Germ Plasm in Maize Through Wide Crosses and Polyploidization," 4/76-4/81
- 15-396, "Loading Maize Chromosomes With Genetic Transfer From Tripsacum Dactyloides," 5/2/78-12/84
- 15-397, "Development and Evaluation of Conservation Tillage Systems," 10/80-9/87
- Animal Science
- 20-305, "The Influence of Season, Suckling and Ovulation Control on Reproductive Hormones in the Pony," 1/80-9/84
- 20-307, "Regulation of the Corpus Luteum in Swine," 10/1/81-9/30/84
- 20-308, "Development of Means for Determining Potential Fertility of Breeding Animals," 1/82-9/85
- 20-311, "Blood Types and Productivity in Pigs and Sheep," 10/80-9/83
- 20-312, "Genetic Evaluation and Monitoring of Performance Tested Beef Herds," 11/78-9/83
- 20-314, "Association of Young Beef Bull Fertility Characteristics With Cowherd Productivity," 10/1/80-9/30/82
- 20-322, "Metabolic Interactions of Mineral Ions in Animal Tissues," 1/74-9/84
- 20-323, "Factors Affecting Chemically Induced Acute Pulmonary Disease," 1/1/80-9/30/83
- 20-325, "Investigations Into Mechanism of Chemically Induced Alopecia," 10/1/84-9/85

- 20-330, "The Magnesium and Zinc Requirements of Dogs," 4/28/78-9/30/80
- 20-335, "Behavior of New Born Piglets," 10/84-9/87
- 20-341, "Evaluation of Roughage Level and Corn Particle Size for Beef Production," 1/10/83-3/9/85
- 20-349, "Evaluation of Alcohol-Treated Soybean Meal for Ruminants," 10/81-9/84
- 20-350, "Forage Production and Utilization Systems as a Base for Beef Production," 10/1/77-9/30/82
- 20-351, "Factors Affecting Growth and Development in the Equine," 10/83-9/87
- 20-354, "Nutritional Factors Influencing Equine Growth, Performance and Productivity," 9/80-9/83
- 20-364, "Factors Regulating Contractile Protein Accumulation in Muscle," 1/81-9/86
- 20-365, "Palatability and Cutability Characteristics of Beef and Pork," 9/81-9/86
- 20-371, "Digestibility of Amino Acids in Feedstuff's for Poultry," 1/10/81-9/30/84
- 20-375, "Factors Affecting Iron Metabolism in Canine and Feline Species," Denied

Box 32:

- 20-380, "Pulmonary Status in Swine as a Function of Environment," 1/70-9/84
- 20-382, "Cardiovascular Responses of Domestic Animals to Hot Environments," 10/78-9/83
- 20-384, "Modification of Farrowing Crates to Reduce Behavior Related Piglet Mortality," 9/80-9/84
- 20-392, "Effect of an Antimicrobial (Carbadox) on Bile Acid Metabolism in the Growing Pig," 10/83-9/87
- 20-397, "The Effect of Coccidiosis and Ascariasis on Nutrient Requirements," 1/80-9/83

Dairy Science

- 35-351, "Mechanisms of Milk Protein Formation," 10/1/86-9/30/91
- 35-357, "Assessment of Biological Efficiency in Dairy Goats," 10/80-9/84
- 35-359, "Metabolic Changes in Dairy Cows Fed Normal and Nicotinic Acid-Supplemented Diets," 10/80-9/83
- 35-360, "Factors Affecting Digest Passage in Ruminants," 1/1/81-9/85
- 35-361, "Orotic Acid Metabolism and Its Regulation," 10/81-9/86
- 35-362, "Survival and Attachment of Ruminal Bacteria to Forage Materials," 1/10/86-9/30/86
- 35-363, "Lipid Metabolism in the Lactating Dairy Cow," 10/82-9/85
- 35-364, "Isolation and Characterization of the Bovine Placental Lactogen Gene," 10/82-9/86
- 35-968, "Electrical Conductivity of Milk for Mastitis Detection," 1/81-9/85

Food Science

- 50-301, "Extrachromosomal Regulation of Clostridium Perfringens Toxins," 6/80-9/83
- 50-307, "How Microorganisms Cope with Adverse Environments-- Reduced Water Activity," 10/81-9/85
- 50-309, "Assessment of Protein and Amino Acid Nutriture," 1/10/81-9/30/83
- 50-311, "Studies of Non-Protein Nitrogen Metabolism," 10/81-9/85
- 50-312, "Iron Bioavailability From Soy Products," 10/82-9/86
- 50-314, "Genetic Amplification of Alpha-Amylase in Clostridium Acetobutylicum," 10/83-9/86
- 50-315, "Microbial Production of 2,3-Butanediol from Cheese Whey," 1/1/82-10/85
- 50-364, "Effect of Diet Upon Chemically Induced Carcinomas," 1/6/76-5/30/79
- 50-367, "Effects of Diet Upon Chemically Induced Carcinomas," 10/1/78-9/30/83

- 50-369, "Microbial Cell Injury, Repair, and the Effects of Altered Environments on Stressed Cells," 2/1/66-9/79
- 50-392, "Industrial Applications of Microwave Tech. Optimization of Quality Retention & Energy Utilization," 1/81-9/30/84
- 50-395, "Nutritional Impacts of Fat-Altered Diets," 10/66-9/83
- 50-399, "Improvement of Thermal Processes for Proteinaceous Foods," 10/81-9/85
- 50-313, "Modification of Food Proteins for Enhanced Nutritional & Functional Performance in Food Systems," 10/1/82-9/30/83

Forestry

- 55-304, "The Utilization of Two-Year Short-Rotation Deciduous Biomass for Energy, Particleboard, and Chemicals," 10/79-12/85
- 55-320, "The Role of Respiration and Energy Charge in Cottonwood Growth," 7/1/74-9/82
- 55-328, "Toxic Effects of Foxtail Grass on Loblolly Pine," 1/80-12/83
- 55-339, "Durability and Mechanical Fastener Performance in Reconstituted Hardwood Structural Panels," 10/1/81-9/30/87
- 55-342, "Solar Energy Conversion Through Woody Biomass Production," 10/1/77-9/30/82
- 55-347, "Energy Production From Direct Seeded Woody Biomass," 1/81-9/86
- 55-366, "Accretion of Nitrogen in Soils of Forest Stands and Plantations Containing N-Fixing Trees and Shrubs," 10/1/81-9/30/87
- 55-371, "Trends in Wilderness Use and Preferences," 10/79-9/86
- 55-375, "Evaluating the Economics of Biomass Production," 10/82-9/86
- 55-381, "The Dynamics and Energetics of the Soil-Plant Atmosphere Continuum," 7/1/75-9/30/85
- 55-305, "Management Objectives, Attitudes, and Characteristics of Private Forest Owners in Illinois," 10/1/82-9/30/85

Human Resources and Family Study

- 60-308, "Land Transfer Equity and Family Farm Continuity," 7/20/84-12/31/85
- 60-309, "Structural Constraints, Parental Depression and Family Interaction," 1/10/81-9/30/83
- 60-310, "Commitment in Dyadic Relationships," 10/1/82-9/30/85
- 60-331, "Factors Influencing Adult Food Behavior," 1/81-9/85
- 60-335, "The Use of Computer-Assisted Instruction in a Peer Health Education Setting," 8/1/86-7/31/87
- 60-336, "Cellular Growth and Metabolism of Skeletal Muscles," 1/10/78-9/30/85
- 60-337, "Iron Nutrition and Lipid Metabolism," 9/1/84-8/31/85
- 60-338, "Iron Status During Infancy as Influenced by Food Iron Sources," 10/1/79-9/30/83
- 60-339, "The Assessment of Protein Quality for Humans," 7/1/80-9/30/84
- 60-341, "Factors Influencing Food Snacking Habits of College Students," 10/1/79-9/30/84

- 60-342, "Impact of Time, Temperature, and Energy Usage on Quality of Entrees in Food Service Systems," 1/79-9/84
- 60-361, "Human Capital and Health in the Farm Sector," 10/1/85-9/30/86
- 60-362, "How Inflation Affects Families," 10/1/80-9/30/82
- 60-365, "Analysis of Food and Agricultural Policies in an Uncertain Economic Environment," 10/1/82-9/30/85
- 60-369, "Quality of Life as Influenced by Area of Residence," 4/2/75-9/30/84
- 60-382, "Pretreatments Durable Press Finish on Stress-Strain Mechanisms, and Appearance of Cotton Fabrics," 10/1/79-9/30/83
- 60-303, "Childhood Obesity as a Function of Social Exchange in Families," 10/1/82-9/30/87
- 60-307, "Factors Influencing Acquisition of Home Furnishings by Rural Illinois Families," 1/1/85-9/30/86
- 60-318, "Determination of Pesticide Penetration Mechanism Using Two Application Methods," 1/15/87-9/30/88
- 60-343, "Use of Infrared Heat Processing and Its Impact on Food Quality," 10/1/84-9/30/87
- 60-344, "Sodium Intake From Meals Consumed by College Students at Institutional and Commercial Food Services," 10/1/84-9/30/87
- 60-367, "Economic Efficiency of Kitchen Components," 10/1/84-9/30/83
- 60-372, "Effects of Country-of-Origin Preferences on Consumer Behavior," 10/1/85-9/30/88
- 60-371, "Consumer Perceptions of Apparel Store Types, Brand Labels, Quality and Price," 10/1/85-9/30/88
- 60-379, "Study of Air Convection and Stagnation as a Controllable Variable in Interior Environments," 1/1/81-9/30/87

Horticulture

- 65-319, "Climate and Peach Tree Development," 10/64-9/30/82
- 65-324, "Recycling and Utilization of Nitrogen by Vegetables and Perennial Fruit Trees," 12/76-9/30/80
- 65-351, "Optimization of Crop Production in the Ornamental Plant Industry," 1/80-9/84
- 65-341, "Productivity of Horticultural Crops as Related To Cell Wall Biogenesis," 7/26/73-9/30/87
- 65-329, "Morphological and Anatomical Development of Fruit and Associated Tissues," 5/64-9/88
- 65-360, "Trial and Experiment Garden for Flowering Annuals/Bedding Plants," 7/1/58-9/30/82

Nutritional Sciences

- 67-301, "Intervention Program for the Treatment of Obesity in Adolescent Girls," 10/81-9/84

Pathology

- 68-322, "Genetic Improvement of Beans (*Phaseolus Vulgaris* L.) for Yield, Pest Resistance, and Food Value," 10/1/84-9/30/89
- 68-324, "The Ecology of Turfgrass Diseases in Illinois Caused by Three *Rhizoctonia* Species," 10/82-9/87
- 68-320, "Pesticide Impact Assessment Research and Data Analysis," 9/77-5/81
- 68-326, "Ecology and Management of Pulse Crop Root Disease Pathogens," 10/83-9/87
- 68-330, "Effect of Herbicides and Other Pesticides on Root Rot Disease of Pulses," 4/77-9/30/83

- 68-331, "Taxonomy, Life Histories, & Geographical Distributions of Diatrypaceous Fungi & Their Allies," 1982-9/30/87
- Horticulture
- 65-354, "Biochemical and Morphological Changes in Floral Crops During Production, Acclimatization, & Transit," 4/81-9/86
- Nutritional Science
- 67-303, "Use of Infrared Thermography to Quantitate Heat Loss in Humans," 1/10/84-9/30/88
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- 68-345, "Integrated Approaches to Management of Disease Caused by Soil-Borne Plant Pathogens on Field Crops," 7/1/74-9/30/84
- 68-321, "Mechanisms of Vector Specificity in Persistent Transmission of Plant Viruses," 10/1/78-9/30/88
- 68-344, "Seed-Borne Bacterial and Fungal Pathogens of Soybean and Seed Quality," 5/75-9/30/88
- 68-363, "The Nematode Component of Root Disease-Soil Insect Complexes of Field Crops," 5/1/85-9/30/88
- 68-399, "Analysis of Production Systems and IMP Research Needs in the North Central," 10/1/82-9/30/86
- 68-358, "Occurrence and Effects of Mycotoxins in Feeds and Foods," 7/1/74-9/30/84
- 68-364, "Soybean Diseases Caused by Viruses of Importance in the Tropics," 11/74-11/79
- 68-366, "Replication of a Single-Stranded DNA Plant Virus and Possible Use for Genome Modif," 10/78-9/84
- 68-380, "Biological Significance and Ecology of Stylet-Bearing Nematodes," 7/57-9/83
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- 70-314, "Ultrastructural Comparison of Fixatives for Routine Sperm Morphology," 1/85-9/85
- 70-306, "Resistance to Mastitis in Dairy Cattle," 11/77-9/87
- 70-307, "Pathogenesis of Leptospirosis (L. HardJo and L. Szwajizak) in Goats," 7/79-7/84
- 70-311, "Induction of Continuous Estrous Cycles in the Ewe," 11/82-9/85
- 70-312, "Wildlife Reservoirs of Farm Animal Sarcocystis," 3/82-9/82
- 70-317, "Whole Body Distribution of Cardiac Output in Hypoxemic Cattle," 12/82-9/84
- 70-322, "Disposition of Sulfamethazine in Lactation Dairy Cattle with Acute Toxic Mastitis," 10/80-9/82
- 70-323, "Bovine Anaplasmosis Detection, Multiplication and Transmission of Anaplasmosis Marginale in Ticks," 10/80-9/83
- 70-325, "Serodiagnosis & Pathogenic Potential of Bovine Trypanosomiasis in the U.S.," 10/80-9/83
- 70-333, "Monocytic Macrophages in Age-Dependent Resistance of Pigs to Pseudorabies," 10/84-9/86
- 70-335, "Immunological Factors Associated with Haemonchosis in Lambs," 4/64-9/86
- 70-370, "Effects of Environment on Reproductive Function in Ruminants," 1/80-9/81
- 70-388, "Bovine Respiratory Diseases," 5/71-9/86
- 70-960, "Influence of Disease on Disposition of Xenobiotics in Domesticated Animals," 2/80-9/85
- 70-961, "Development of Serological Tests for Detection of Epperythroozoon Antigen and Antibody," 2/80-9/87

- 70-962, "Agalactia of the Postpartum Sow-Role of Endotoxin, Prolactin, and Thyroxine," 2/80-3/84
- 70-965, "Disposition of Antibiotics in the Genital Tract of Female Cattle and Swine," 7/81-9/85
- 70-966, "Development of Methods for In Vitro Cultivation of Anaplasma Marginale," 2/81-9/84
- 70-967, "Wildlife Reservoirs of Farm Animal Sarcocystis," 8/81-9/83
- 70-970, "Etiology of the Small Testes Syndrome in Bulls," 8/81-8/83
- 70-971, "Characterization of Lesions Caused by the Ingestion of White Snakeroot in Ovine and Bovine Species," 8/81-9/82
- 70-972, "Inflammation and Phagocytosis in the Mammary Gland," 8/81-9/85
- 70-973, "Augmentation of Cell-Mediated Immunity to Pseudorabies Virus by Cell-Associated Antigens," 8/81-12/84
- 70-975, "Theophylline as a Therapeutic Agent in Bovine Respiratory Disease," 5/84-9/86
- 70-976, "Effect of Therapy on Leukocyte Function in Bovine Uterine Infection," 1/1/85-9/30/87
- 70-977, "Intramammary Antibiotics and Phagocytosis in Staphylococcus Bovine Mastitis," 1/1/85-9/30/86
- 70-979, "Telemetric Physiologic Monitoring for Assessing Health and Well-Being," 12/1/85-9/1/86
- 70-984, "Model of Sex-Linked Severe Combined Immunodeficiency," 9/15/87-9/30/88

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- 70-308, "In Vitro Studies on the Regulation of Prolactin Secretion in the Pig," 2/1/87-9/30/88
- 70-907, "Interaction Between Copper and Selenium in Beef Steers Infected/Non-Infected Tall Fescue," 5/25/88-9/30/89
- 70-978, "White-Tailed Deer: A Reservoir of Bovine Anaplasmosis," 1/1/85-9/30/87
- 70-980, "Molecular Epidemiology of Bovine Anaplasmosis," 3/1/86-9/30/88
- 70-982, "Termination of Photorefractoriness in the Ewe," 10/86-9/30/88
- 70-983, "Development of a Black Walnut (Juglans Nigra) Model for Equine Laminitis," 2/1/87-9/30/88
- 70-302, "Role of Endogenous Estrogens in Testicular and Epididymal Functions in Rams," 11/10/83-9/30/86
- 70-304, "Minimizing Occupational Exposure to Pesticides," 10/1/86-9/30/88
- 70-305, "Antigenic Relatedness and Dominance Among Three Strains of Anaplasma Marginale," 11/1/83-9/30/86

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- 12-339, "Management Strategies for Leafhoppers, Spittlebugs, and Aphids on Alfalfa," 1/10/78-9/30/88

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- 20-372, "The Influence of Nutrition on Antigen-Induced Changes in Protein Metabolism," 1/1/83-9/30/86
- 20-315, "Modeling of Selection Strategies with Laboratory Mice," 1/10/80-9/30/84
- 20-309, "Regulation of Ovulation in the Domestic Hen," 1/10/84-9/30/87

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05-334, "Economic Analysis of the Natural Resources Base for Agriculture," 10/1/85-9/30/88

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10-333, "Row-Crop Ridge Tillage System for Energy Conservation and Pest Control," 10/1/85-9/30/88

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15-110, "Soybean Extension Program 85-ISPOB-11-70-3," 8/21/85-8/20/88

15-149, "Soybean Breeding and Genetics 85-ISPOB-11-70-3," 8/21/85-8/20/88

15-156, "Generation Advance and Field Evaluation of Soybeans Breeding Lines," 8/21/87-8/20/90

15-102, "Effects of Conservation Tillage Systems on Soybean Root Disease Incidence, Root Growth, and Yield," 5/1/81-4/30/85

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20-291, "Nutritive Needs of Swine for Optimum Performance," 5/1/78-9/30/82

20-396, "Biological Availability of Nutrients in Feed Ingredients," 1/7/75-9/30/86

20-974, "Reestablishment of Normal Estrous Cycles and Pregnancy in Postpartum Anestrous Beef Cows," 12/20/83-9/30/85

35-290, "Management, Environment, Physiological Factors of Swine Production," 1/7/60-9/30/82

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60-313, "Anticarcinogenic Mechanism of Naturally-Occuring Plant Components," 1/10/86-9/30/87

60-328, "Evaluation of Selected Canning Qualities of Illinois Tomato Varieties," 7/1/84-9/30/88

60-704, "Activity Structure and Sex-Typed Behavior," 1/6/83-8/30/83

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 01-401 National Conference on Participatory Research (Gerber), 1991-92
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 04-302 The Images of & Value Structures Associated with Sustainable Ag As Portrayed
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 04-303 Farmers' Assessments of Validity of Agricultural Research Reports (Walter),
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 05-108 State Certification of Quality Characteristics for Illinois Corn and Soybeans
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 05-109 Increasing Farm Prices for Processing Quality Corn (Hill), 1985
 05-110 Evaluation of Alternative Grading Standards for Soybeans (Hill), 1985-87
 05-112 Determinants of Liquidity and the Role of the Market Maker in Commodity
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 05-114 Costs & Benefits of Changing the Foreign Material in Corn and Soybeans in the
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 05-115 A Computerized Financial & Business Diagnostic System for Farm Firms (Sonka,
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 05-121 Privatizing the Public Sector: Land in New Zealand (J.B. Braden, Sharp), 1988-
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 05-122 Corn Quality Promotion in International Markets (Hill), 1988-89
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 05-125 Economics and Policy Dimensions of Animal Rights and Animal Welfare for the
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 05-128 Corn Markets, Corn Prices, and Market Development (Guither), 1991-92
 05-129 The Illinois Produce Growers Study (S. Thompson), 1991-92
 05-131 Soil Erosion Perception Among Small Holder Farmers: Its Effect on Farmer
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 05-134 Cost & Benefits of Component Pricing for Soybeans (Hill, Bender), 1992-93

- 05-135 Advisory Conference: F. Magayane Internship RF91037 #258 (Van Es) (Rockefeller Foundation), 1993-94
- 05-206 Identification of Grain Marketing Patterns in the U.S. (Hill), 1983-84
- 05-211 Analysis of Lake Water Quality Improvement by Paying Farmers to Abate Nonpoint Source Pollution (Farnsworth), 1986-88
- 05-212 Development of a Model for Analyzing & Implementing Illinois Agricultural Nonpoint Source Pollution Control Program (Johnson, Braden, Bouzaher), 1986-88
- 05-216 An Assessment of the Feasibility of Commercial Poultry Production, Slaughter, and Processing in Southern Illinois (Hudson), 1986-88
- 05-217 Agricultural Non-point Pollution Control: Financing Alternatives (Braden), 1986-88
- 05-218 Mechanisms for Stream Corridor Protection: Rural Programs, Costs and Revenue Sources (Braden), 1988
- 05-219 Data Collection & Analysis System for On-farm Trials (Hornbaker, White), 1989-90
- 05-221 Developing a Framework for Trade-Off Analysis for Alternative De-icers (Thompson, Eheart, Braden), 1989-90
- 05-225 Farmland Assessment: An Investigation of Costs and Soil Productivity (Scott, Chicoine), 1991-92
- 05-301 Irrigation Scheduling Methods for Efficient Water and Energy Use (Scott, Erickson), 1981-88
- 05-303 Determinants of Farm Size and Structure in North Central Areas of the U.S. (Sonka, Hornbaker, Garcia), 1985-93
- 05-304 Economic Adjustments in Resource Use and Financial Structure by Illinois Farm Businesses (Hinton, Mueller), 1983-90
- 05-305 Microcomputer Software Development for Illinois Farms (Erickson), 1986-91
- 05-312 Financial Management Alternatives for Farmers and Agricultural Lenders (Lins), 1986-93
- 05-322 Legal & Income Tax Implications Resulting from the Financial Difficulties of Farmers (Bock, Grossman), 1985-90
- 05-324 Changing Legal Climate for Agriculture: Illinois and Federal (Grossman, Bock), 1988-95
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- 05-337 Agricultural Land, Economic Use, Value, Ownership, Transfer Tenancy and Policy (Scott, Chicoine), 1986-95
- 05-338 Socioeconomic Factors Affecting the Adoption of Soil Conservation Practices (Eastman), 1981-90
- 05-339 Marginal Costs of U.S. Export Crops and the Cost of Biomass Fuel Feedstocks (Dovring, Braden), 1983-93
- 05-351 Assessment of Prospects for U.S. Agricultural Exports and Trade Policy Options in an Interdependent World (Schmidt, Garcia, Offutt), 1985-90
- 05-352 Price Risk Management Strategies for Illinois Grain and Livestock Producers (Hudson, Hauser, Good), 1984-89
- 05-353 Performance of the U.S. Grain Marketing System in a Changing Economic and Policy Environment (Thompson, Hill, Schmidt), 1981-88
- 05-354 Midwest Agricultural Prices: Forecasting Methods & their Application to Sales Management Problems (Good, Hauser, Thompson), 1980-90
- 05-355 Simultaneous Management of Multiple Price Risks in the Futures Market

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- 05-357 Price Behavior in Thin Commodity Markets (Thompson, Good, Hudson), 1986-90
- 05-358 Domestic & International Meat Demand (Unnevehr), 1986-91
- 05-359 Market Performance, Risk & Price Relationships: Analysis of the Markets of Major Illinois Commodity Markets (Garcia, Leuthold, Hauser), 1982-91
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- 05-381 Organization & Control of the U.S. Food Production & Distribution System (Leuthold, Sarhan, Westgren), 1977-88
- 05-397 Meat Demand & Supply in Eastern Asia: Implications for Corn and Soybeans Imports (Nelson, Stamoulis, Unnevehr), 1987-93
- 05-401 The Price Adjustment Process and Efficiency of Grain Futures Markets Implied by Return Series of Various Time Intervals (Thompson), 1990
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- 05-403 Economic Implications of Changes in Structure & Vertical Integration in the Processing and Retailing Subsector of the Beef Sector (Hudson), 1989-90
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- 05-411 Policy Alternatives for Reducing Chemicals in Source Areas of Public Water Supplies in Illinois (Hornbaker, White), 1992-93
- 05-412 Rural Roads & Bridges--Development of Information (Hauser), 1991-94
- 05-41 Economic Development SWOT Analysis & Industry Targeting (Van Es), 1993-94
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- 10-108 Physical Properties of Soybean Seeds Damaged by Various Seedborne Fungi and A Virus (Litchfield), 1987-88

- 10-113 Numerical Calculation of Room Air Movement Under Forced Ventilation (Christianson), 1987-88
- 10-115 Gaseous Addition of SO₂ to Corn to be Wet Milled (Eckhoff), 1987-88
- 10-116 Software Development in Machinery Management (Siemens), 1988-90
- 10-118 Use of an Ethyl Oleate to Increase the Drying Rate of Corn (Paulsen, Eckhoff), 1989
- 10-119 Online Image Processing for Control of Bioprocesses (Litchfield), 1988-89
- 10-120 Ventilation, Fan, & Inlet Performance in Realistic Swine Facilities (Riskowski), 1990
- 10-120 Ventilation Fan & Inlet Performance in Realistic Swine Facilities (Riskowski), 1989-90
- 10-121 Non-food Uses of Expanded Corn (Rodda, Nelson), 1990-92
- 10-122 Drying Induced Quality Degradation in Maize (Litchfield, Paulsen), 1990
- 10-123 Low Airflow Drying of Fungicide-Treated Shelled Corn (Peterson, Benson, White), 1990-93
- 10-125 Technical Testing Agreement--Northrup King Co. (Eckhoff, Paulsen), 1990-91
- 10-126 Predicting Generation Rates of Air Contaminants from Liquid Manure Storage Facilities on Swine Farms (Day, Zhang), 1990-92
- 10-127 Optimization Procedures for Designing Ventilation Systems (Riskowski, Christianson, Bane), 1990-92
- 10-128 Technical Testing Agreement--Staley (Eckhoff), 1991-93
- 10-129 Identifying Quality Corn for Wet Milling (Eckhoff, Paulsen), 1991-93
- 10-133 Sensors for Field Crop Production Systems (Pershing), 1991-93
- 10-135 Technical Testing of Corn Samples (Eckhoff), 1993
- 10-136 Predicting Generation Rates of Air Contaminants from Degrading Manure in Swine Confinement (Day, Easter), 1992-93
- 10-137 Corrosion of Metal Equipment and Truss Plates in Swine Building (Riskowski), 1993
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- 10-143 MRI Measurement of Temperature Distributions in Solid Foods During Processing (Litchfield), 1992
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- 10-205 Revision of Highway Drainage Policy and Practice Manual (Drablos, Uchtmann), 1985-88
- 10-206 Production of Fuel Ethanol, Corn Gluten, and Germ by Fermentation of Raw Corn (Steinberg), 1984-87
- 10-209 Nutrient Loss to Groundwater Under Fertilized Row Crops with Water Table Control in Central Illinois (Lembke, Boast, Drablos), 1985-88
- 10-210 Evaluation of an Ethanol Fumigated Diesel Tractor (Goering, Savage), 1986-89
- 10-211 Demonstration of Utility Interfacing of a Residential Scale Photovoltaic Installation (Shove), 1985-92
- 10-213 Surveying Review (Hirschi), 1987-90
- 10-215 Managing Subsurface Irrigation Systems for Minimum Leaching of Nitrates (Lembke), 1986-88
- 10-218 Hydrology & Sedimentology Modeling on Illinois Agricultural Watersheds (Ewing), 1987-88

- 10-219 Bio-environmental Engineering Research Laboratory (Christianson), 1990-92
- 10-220 Agri-chemical Facilities Handbook Development (Riskowski), 1989-90
- 10-221 Private Pesticide Applicator Safety Work Behavior Risk Analysis (Aherin), 1992
- 10-222 Migrant Farm Worker & Migrant Farm Employer Pesticide Risk Assessment (Aherin), 1992
- 10-223 Worker Exposure from Handling Granular Insecticides (Bode, Wolfe), 1992
- 10-311 Terrace System Design Using Expert Systems with Computer Graphics (Hirschi, Mitchell, Cook), 1986-89
- 10-312 Hydrologic Water Quality Modeling of Sediment and Chemical Movement (Ewing), 1986-93
- 10-313 Sediment Yield from Small Agricultural Areas in Illinois (Hirschi, Mitchell), 1978-95
- 10-318 Irrigation Scheduling Methods for Efficient Water and Energy Use (Konyha, Drablos), 1981-95
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- 10-338 Vegetable Oils as Alternative Fuel for Diesel Engines (Goering, Savage), 1984-90
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- 10-345 Modelling Research in Agricultural Mechanization (Buriak), 1989-93

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- 10-377 Livestock Waste Technology and Resource Recovery (Day, North, Zhang), 1980-91
- 10-402 Impact of Subsurface Drainage on Runoff, Surface Water Quality, & Groundwater Quality for Illinois Soils (Konyha, Hirschi), 1989-90
- 10-403 Modifying the Safety Behaviors of Farm Workers (Aherin), 1989-90
- 10-404 Land Improvement Contractor Educational Needs Assessment: Phase I (Duriak, Drablos, Konyha), 1989-90
- 10-405 Agricultural Practices for Water Quality Improvement (Mitchell, Hirschi), 1991-92
- 10-603 Effect of Ridge & Strip Tillage/Weed Control Alternatives on Corn Production (Mitchell, Hummel, Wax), 1985-90
- 10-703 Non-point Pollution Mitigation Evaluation of Modern Tillage Systems (Mitchell), 1986
- 10-704 New Design & Construction Methods for Light Frame Shelters (Riskowski), 1987-88
- 10-705 Microscopic NMR Imaging: Mass Transfer and Stress Cracking During the Drying of Food and Grain (Litchfield), 1987-88
- 10-706 Modeling Soil Erosion on a Tilled Surface (Hirschi), 1987-89
- 10-707 Building Research: Room Air and Air Contaminant Distribution (Christianson), 1987-88
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- 10-710 Simultaneous Measurement of Transient Moisture Profiles & Structural Changes During the Drying, Tempering, and Cooling of Foods (Litchfield), 1989
- 10-711 Experimental & Numerical Study of Room Air & Air Contaminant Distribution (Christianson, Riskowski), 1989-91
- 10-712 Effect of Double Density Caging During Space Shuttle Transport of Laboratory Rats (Riskowski, Gonyou, Harrison), 1991-92
- 10-713 Provide a Research Plan for Indoor Air Quality (Christianson, McCulley, Rood), 1991-92
- 10-803 Development & Evaluation of Vegetable Oil Fuels (Goering), 1985-90
- 10-804 Model Study of Block Lined Chute Grade Stabilization Structures (Mitchell), 1986
- 10-805 Detection of Damaged Kernels in Grains & Oil Seeds Using Computer Vision (Paulsen), 1987-88
- 10-806 Pesticide Accumulation Evaluation Under Long-Term Tillage Systems (Pershing), 1988-93
- 10-807 In-situ Image Processing for Real-Time Control of Bio-Processes (Reid), 1989-90
- 10-808 Illinois Farm Injury Survey (Aherin), 1988-89
- 10-809 Creams & Drainmod (Konyha), 1989
- 10-814 Environmental Management of Lab Animals (Christianson), 1991-92
- 12-000 AGRICULTURAL ENTOMOLOGY
- 12-000 General, 1954-88
- 12-100 Investigation of a Common Mechanism of Soybean Resistance Against Diseases & Insect Pests (Kogan), 1984-86
- 12-103 Feeding Behavior of the LeafHopper *Circulifer Tenellus* & Its Role in Transmission of a Phytopathogenic *Spiroplasma* (Eastman), 1987-88
- 12-105 Soybean Insect Research Information Center (Kogan), 1986-88
- 12-106 Utilization of Corn as a Nutrient Amendment for Bioremediation of Pesticide & Fuel Waste (Felsot), 1990-91
- 12-301 Insects Associated With Cruciferous Crops in Illinois (Eastman), 1989-95
- 12-303 Genetic & Physiological Regulation of Honeybee Colony Performance (Robinson, Irwin), 1990-95
- 12-310 Use of Cucurbitacin Containing Baits to Control Corn Rootworms in Field Corn (Levine), 1989-93
- 12-311 Impact of Integrated Crop Management Practices on European Corn Borer and Related Stalk Boring Insects (Onstad), 1985-93
- 12-319 The Biology of Entomophilic Fungi & Microsporidia (Maddox), 1966-91
- 12-320 Phenology & Population Dynamics of the Squash Bug (Ruesink, Fielding, Luckmann), 1984-89
- 12-322 Design & Evaluation of Computer Software for Insect Pest Management (Ruesink, Zavaleta, Onstad), 1981-89
- 12-324 Insect-Plant Interactions: Phytophagous Insects and Plant Defense Strategies (Kogan, Fischer, Wei), 1984-90
- 12-325 The Gypsy Moth and its Natural Enemies: Behavioral and Population Determinants (Jeffords, Maddox, O'Hayer), 1984-93
- 12-328 Biology & Control of Insects in Reduced Tillage Corn (Levine), 1981-88
- 12-338 Community Relations of *Spiroplasma Citri* With Its Plant & Insect Vector Hosts (Eastman), 1982-91
- 12-361 Bionomics of Insects (Laberge, Bouseman, Webb), 1982-91

- 12-382 Incidence Biology, & Management of the Pine Wilt Complex (Appleby, Malek), 1983-91
- 12-399 Analysis of Production Systems & IPM Research Needs in the North Central Region (Ruesink, Levine), 1983-87
- 12-401 Packing Material Evaluation (Weinzierl, Nixon), 1989-90
- 12-501 Kairomones in Corn & Cucurbits in Monitoring & Controlling Corn Rootworms (Metcalf, Rhodes), 1981-84

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- 12-504 Biological Control of the European Corn Borer (Onstad), 1989-91
- 12-505 Meteorological Factors that Govern the Vertical Zonation of *Ropalosiphum Maidis* (Irwin, Isard, Hollinger), 1989-93
- 12-507 Initiate, Conduct, & Provide Comprehensive Report of International Workshop on Alliance for Aerobiology Research (Irwin), 1992-94
- 12-601 Effect of Reduced Tillage Practices on Pest Management Decisions in Corn (Ruesink, Slife, Hummel), 1985-87
- 12-602 Analysis of Soybean Production/Protection Systems and Research Needs in the North Central Region (Ruesink), 1985-90
- 12-603 The Impact of a New Fungal Pathogen *Erynia Phytonomi* on Populations of the Alfalfa Weevil and Its Established Parasitoids in the North Central U.S. (Armbrust, Maddox), 1987
- 12-605 National Investigation of Soybean Stress from Defoliation Pests: Northern Region (Kogan, Helm), 1990
- 12-607 Alliance for Aerobiology Research Workshop (Irwin, Isard), 1992-94
- 12-702 Managing Plant Virus/Mycoplasmata Complexes in Maize/Bean Cropping Systems (Irwin), 1984-88
- 12-703 Assessment of Best Management Practices for Controlling Runoff of Pesticides from Cropland: Phase II (Felsot), 1985-88
- 12-804 An Assessment of Corn Rootworm Soil Insecticide Behavior & Efficacy Under Conservation Tillage Practices (Felsot, Levine, Steffey), 1982-92
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- 35-406 Incidence of Citrullinemia among American Holstein Cattle (Robinson, Shanks), 1990
- 35-407 Enhanced Biodegradation of Cellulose in Municipal Solid Waste (Mackie, White), 1990
- 35-408 The Effects of Parasitism on Weight Gain & Reproductive Efficiency of Replacement Heifer Calves (Faulkner), 1990-91
- 35-411 A Computer Enhanced Corrective Mating Decision Aid (Dill, Shanks), 1990-91
- 35-412 Characterization of the Gene for Bovine Factor XI (Robinson), 1991
- 35-413 Sexual Differentiation of the Chicken: A Basis to Change Phenotypic Sex & Enhance Growth (Bahr), 1991-92
- 35-415 Evaluation of New Ingredients for Swine Starter Feeds from Weaning to 40 lbs. Body Weight (Easter), 1992
- 35-416 Genotyping of Oocytes: A Method for Prezygotic Selection (Lewin, Wheeler), 1991-93
- 35-417 PCR Based Genotyping of the Swine Major Histocompatibility Complex (School, Lewin), 1992-93
- 35-501 Endocrine Regulation of the Immune System (Kelley), 1986-93
- 35-502 Endocrine Changes Associated with Molting in Domestic Hens (Bahr), 1986-90
- 35-507 Enzymatic & Genetic Analysis of Ruminococcus Cellulase (White), 1986-87
- 35-515 Embryonic Consequences of the Bovine Deficiency of Ump Synthase (Robinson, Shanks), 1988-91
- 35-523 Endocrine Regulation of the Immune System (Kelley), 1991-93
- 35-719 Characterization of Insertional Mutations (Rund, Wheeler, School), 1991-92

- 35-902 Lactoferrin Function in Mastitis: Interactions with Mammary Proteoglycans (Hurley), 1990-95
- 35-981 Mammary Gland Immunoglobulin Transport: Molecular Biology of the IgG Receptor (Hurley), 1986-88
- 40-327 Feed-Livestock Systems for Marginal Lands (Kaiser), 1979-86
- 50-000 FOOD SCIENCE
- 50-122 Dietary Characteristics that Influence Human Atherosclerosis (Kummerow), 1986-87
- 50-130 Physiological Characterization of Clostridium Acetobutylicum Transformants and Mutants for Butanol Production from Corn Starch (Blaschek), 1989-92
- 50-131 CMA from Corn: Improving the Production & Recovery Processes (Cheryan), 1989-92
- 50-133 Utilization of Carbohydrates in Phenol-formaldehyde Wood Adhesives (Dunn), 1990-93
- 50-134 Fractionation of Soybean Oil by Synthetic Membranes (Cheryan), 1990-94
- 50-136 Genetic Manipulation of Clostridium Acetobutylicum for Improved Butanol Production from Corn Starch (Blaschek), 1989-94
- 50-138 Improvement of the Saccharification Process Using a Continuous Membrane Reactor (Cheryan, Escobar), 1990-93
- 50-139 Increased Marketing of Corn Through Utilization of Corn Protein Components in Biodegradable Plastic Films for Packaging Applications (Baianu, Ozu), 1990-94
- 50-140 Formation of Isomers & Off-flavors During Food Oil Processing (Perkins), 1991-92
- 50-150 CMA From Corn: Scale-up and Economic Feasibility (Cheryan), 1991-93
- 50-260 Cholesterol-Lipoprotein Metabolism in Atherosclerosis (Nishida), 1960-95
- 50-302 Osmoregulation in Microorganisms (Witter), 1985-90
- 50-303 Engineering & Physicochemical Studies of Texturization of Soy Proteins Using Twin-Screw Extrusion (Villota), 1988-95
- 50-305 Enzymatic Modification of Oligo and Polysaccharides (McCord), 1987-95
- 50-309 Utilization of Carbohydrates in Phenol-formaldehyde Wood Adhesives (Dunn), 1989-95
- 50-310 Improving Zinc & Iron Bioavailability from Soy Foods (Erdman), 1986-92
- 50-317 Effect of Diet Upon Chemically Induced & Transplantable Carcinomas (Milner), 1983-91
- 50-319 Immobilization of Genetically Manipulated Microorganisms (Witter), 1989-93
- 50-325 Health Maintenance Aspects of Dietary Recommendations Designed to Modify Lipid Metabolism (Smith), 1982-95
- 50-335 Genetic Enhancement of Microbes Producing 2, 3-Butylene Glycol from Field Crops (Speckman), 1985-90
- 50-340 The Content, Activity, and State of Water as Quality Criteria for Corn Kernels (Steinberg), 1970-90
- 50-345 Chemical Changes of Food Components During Extrusion (Artz), 1984-91
- 50-350 Linoleic & Alpha-linolenic Acids & Immunity (Johnston), 1975-95
- 50-380 Catalase, Superoxide Dismutase & Enterotoxin in Staphylococcus Aureus (Martin), 1977-90
- 50-404 Increasing the Efficiency of Ethanol Production Through the Use of a Membrane Technology (Cheryan), 1991
- 50-712 ITT Cooperative Agreement (Siedler), 1989

- 50-715 Structural Determination of Anthocyanins (Berber, Jimenez), 1991-92
 50-801 Preparation & Evaluation of Oils from Special Beans Lacing Liporygenase-1 (Perkins), 1983-84

Box 46:

- 55-000 FORESTRY
- 55-000 General, 1951-88
 55-106 Durability of Wood Crossties (Chow, Poo), 1986-92
 55-109 Response of Organic & Inorganic Sulfur Constituents to Watershed Manipulations (David), 1986-89
 55-113 Durability of Wood Crossties (Chow), 1988-92
 55-205 Tree Growth Rates & Regeneration of Buttonland Swamp Forest of Southern Illinois (Brown), 1986
 55-206 Short Rotation Biomass Production in Integrated Farming & Forestry Systems (Sinnissippi Forest Site) (Rolfe), 1986-87
 55-208 Development of Forest Industry Export Potential in Southern & Western Illinois (Rolfe), 1991-92
 55-209 Development of Forest Industry Export Potential in Southern & Western Illinois (Rolfe), 1991-92
 55-210 Technical Transfer to Local Governments, Investors and the Wood Products Industry to Promote Rural Economic Development in the Forestry Sector (Rolfe), 1991-92
 55-212 Survey of Forest Landowner Needs & Expectations (Marty), 1990-92
 55-214 Develop a Directory of the Primary & Secondary Wood Manufacturers in Illinois (Fugel), 1993
 55-304 Economic Analysis of Black Walnut Tree Improvement Alternatives: A Break-Even Cost Benefit Analysis (Memdoza), 1990-95
 55-306 Economic Analysis of Traditional Forest Management Practices in Illinois (Campbell), 1983-91
 55-308 Laminated Products from Underutilized Eastern Hardwoods (Pugel), 1988-93
 55-310 Economics of Integrated Forestry Systems in Illinois (Campbell), 1983-89
 55-311 Silvicultural Effects on the Chemical Composition of 5-year, Deciduous Biomass (Chow, Rolfe), 1985-92
 55-312 Sulphur Constituents, Cycling, & Role in Nutrient Status of Floodplain & Upland Forests (David), 1986-91
 55-316 Economic Development & Environmental Protection with Shiitake Mushrooms (Burnett), 1987-90
 55-318 Physiology of Actinorhizal Alnus: Lack of Conservation of Foliar Nitrogen (Dawson), 1978-91
 55-320 Using Artificial Intelligence Methods to Fill in Knowledge Gaps in a Forest Growth & Yield Simulation Model (Gertner), 1988-93
 55-323 A Study of the Insects of Trees in the Midwest (Appleby, Jokela), 1980-93
 55-324 Nitrogen & Carbon Dynamics in Mixed Plantations of Black Walnut & Nitrogen Fixing Autumn Olive & Black Alder (Brown, Dawson), 1984-93
 55-326 Model Based Experimental & Sample Designs (Gertner), 1976-89
 55-327 Assessment of Public Attitudes Toward Wilderness Fires (Manfredo, Fishbein), 1989-90

- 55-335 Seasonal Water Potential Fluxes in Regenerating Oak Sprouts & Seedlings in Clearcuts (Dawson), 1988-92
- 55-340 Effects of Juglone on Growth & Symbiotic Function of Actinorhizal Trees & Shrubs (Dawson), 1987-92
- 55-341 Weathering Effects on Engineering Properties of Structural Hardwood Composites (Chow, Pugel, Gertner), 1987-92
- 55-344 Water Quality from Forested Watersheds in Southern Illinois (Arnold, Kaiser), 1972-89
- 55-346 Inventory of East Central Illinois Woodlands (Edgington, Rolfe), 1987-92
- 55-348 Documenting Existing & Potential Management Alternatives & Marketing Strategies for Illinois Woodlands (Mendoza), 1988-91
- 55-359 Economic Importance of the Forest-Based Industries in Illinois: An Input-Output Analysis (Mendoza), 1988-92
- 55-360 Simulation Analysis of Forest Management Strategies in Illinois (Mendoza), 1985-89
- 55-362 Assessing Urban Land Use Changes in Relation to Socio-Economic & Hydrological Factors (Iverson, Cook), 1988-91
- 55-365 Quantifying Riparian Habitat for Wildlife in the Vermilion Basin (Iverson), 1990-93
- 55-381 Strategies & Procedures for Advanced Generation Breeding of North Central Forest Species (Harry), 1970-93
- 55-403 Impacts of Municipal Sewage Effluent Disposal on Soil & Groundwater Quality by Land Application Using Sprinkler & Exfiltration Irrigation (David, Konyha), 1989-90
- 55-404 Field Study of Sulphur & Carbon Processes Which Regulate Surface Water & Acidity (David), 1992
- 55-405 Physiology & Genetics of Alcohol Dehydrogenase in Populus (Harry), 1990-92
- 55-501 Factors Regulating Black Walnut Growth in Mixed Plantings with N Fixers (Dawson, David), 1986-91
- 55-510 Total Sulfur in Soils & Vegetation (David), 1987-88
- 55-703 The Role of Tropical Forests in the Global Carbon Cycle (Brown, Lugo), 1982-92
- 55-706 The Role of Tropical Forests in the Global Carbon Cycle (Brown), 1985-90
- 55-707 Increased Production of Extractives & Biomass in Woody Plants (Rolfe, Buchanan), 1986-92
- 55-708 Economic Assessment of Biomass Feedstock Systems for Marginal Land in the Great Lakes Region (Campbell), 1984-92
- 55-709 Role of Organic Acids in Affecting Soil Solution & Surface Water Acidification in Response to Watershed Manipulations (David, Stevenson, Brown, Vance), 1986-92
- 55-711 Exchanges of Carbon Between the Atmosphere & Terrestrial Ecosystems as a Result of Land-Use Change (Brown), 1988-92
- 55-712 Restoration of Intensively Utilized Pine Forests in Subtropical China (Brown, Sandra), 1989
- 55-713 Exchanges of Carbon Between the Atmosphere & Terrestrial Ecosystems (Brown), 1989
- 55-714 Particle Enlargement of Fine Coals Using Ligno-Cellulosic Wastage (Chow), 1988-92
- 55-716 Provide Grass Data Development Efforts in Support of LCTA at Army Installations and Document, 1991-92
- 55-717 Conduct an Analysis of Artificial Intelligence Applications to the Land

- Condition-Trend Analysis Program (Gertner), 1991-92
- 55-718 Conduct and Analysis of Artificial Intelligence Applications to the Land Condition-Trend Analysis Program (Gertner), 1992
- 55-719 Terrestrial Sources & Sinks in the Global Carbon Balance: 1. The Role of the Tropics (Brown, Iverson), 1990-92
- 55-720 Provide Technical & Logistical Management & Coordination in Support of the Land Condition Trend Analysis Program (LCTA), 1992
- 55-802 Mechanical Fastener Performance in Reconstituted Structural Wood-Base Panel Products (Chow), 1982-88
- 55-811 Evaluation of the Forest Floor & Mineral Soils Along a Lake States Sulfate Deposition Gradient for Sulfur, Nitrogen, and Carbon (David), 1986-92
- 55-813 Little Calumet River Watershed Project PL 566 (Rolfe), 1986-88

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- 55-814 Composites from Southern Pine Juvenile Wood (Pugel), 1986-92
- 55-815 Natural Resource Education for Urban Audiences (Rolfe), 1986-88
- 55-816 Composite Panel Behavior Under Changing Environments (Pugel), 1988-90
- 55-817 Characterizing ADH Genes & Genomic Clones in Monterrey Pine (Harry), 1988-90
- 55-818 Resin Distribution & Horizontal Density Effects on Wood Composites Durability, Phase 1 (Pugel), 1988-92
- 55-819 Physical Properties of Boards from Combinations of Wood/Agricultural Residue Fibers/Non-wood Materials (Chow), 1988-91
- 55-820 A Computer Assisted Decision Support System for the Primary Processing of Hardwood Forest Products (Mendoza), 1989-92
- 55-821 Rural Forestry Assistance/Dixon Springs Agricultural Center--Forestry Chemical Study (Rolfe), 1990-94
- 55-822 Cooperative Forestry Assistance (Brown), 1990-93
- 55-823 Customized Educational Packages for Targeted Groups of Non-Industrial Private Forest Landowners in Midwest/Planning Assistance (Rolfe), 1991
- 55-824 Re-greening Palinfeld: Urban Forestry Assistance (Rolfe), 1991-94
- 55-828 Coordination of Illinois Urban Forestry Initiatives (Rolfe), 1991-92
- 55-830 Inventory Decision Systems for Multi-Product Wood Processing Firms (Mendoza), 1992-95
- 55-831 Planning Works & Installation of Works of Improvement for Watershed Protection, Flood Prevention, & Conservation Utilization (Rolfe), 1991-92
- 55-832 Identification & Management of Damaging Forest Pests in the State of Illinois (Rolfe), 1992-93
- 55-834 Effects of Nitrogen Fixing Trees and Shrub Interplants on Black Walnut (Dawson), 1992-93
- 55-836 Genetic Diversity in Nursery & Seed Orchard Populations in Black Walnut & Red Oak (Harry), 1992-95
- 55-837 Increasing Soil Temperature in a Northern Hardwood Forest: Effects of Elemental Dynamics & Primary Productivity (David), 1992-93
- 55-923 Customized Educational Packages for Targeted Groups of Non-Industrial Private Forest Landowners in the Midwest (Rolfe), 1989-91
- 60-000 HUMAN RESOURCES/FAMILY STUDIES

- 60-000 General, 1971-93
- 60-102 Potential of Aerobic Exercise to Decrease Mammary Tumorigenesis Associated with a High Fat Diet (Layman), 1986-90
- 60-106 Iron, Nutriture, & the Development of Immunocompetence (Sherman), 1980-85
- 60-108 Choice & Participation in Activities: Sex-Typed Participation or Adult-Provided Structure (Carpenter), 1983-88
- 60-109 Acceptance, Tolerance & Iron Adequacy of Milk-Based Infant Formula in Normal Infants to Age One Year (Sherman), 1985
- 60-113 Interactive Effects of Sodium Lactate & Sodium Chloride on Flavor, Shelf-Life, and Physical Characteristics of Fresh Pork (Brewer, McKeith), 1991-92
- 60-114 Correlation of Consumer Sensory & Instrumental Evaluation of Roast Beef Texture (Klein), 1986
- 60-115 The Effect of Phytate on Glycemic Index in Persons with Type 1 Diabetes Mellitus (Keim), 1986
- 60-116 The Effect of Phytate on Glycemic & Insulin Response of Persons with Type II Diabetes Mellitus (Keim), 1987
- 60-117 Dietary Fat, Exercise, & Cancer (Layman), 1986-87
- 60-118 Mechanism of Inhibition of BHA & BHT Toward DMBA Induced Mammary Carcinogenesis (Singletary), 1986-88
- 60-119 The Effect of Phytate on Glycemic & Insulin Response of Persons with Type II Diabetes Mellitus (Keim), 1987-88
- 60-120 Effects of Post-Packaging Pasteurization & Refrigerated Storage of Vacuum Packaged Beef Roast Slices on Microbial Growth & Toxin Formation (Klein, Blaschek), 1988-89
- 60-121 Chronic Alcohol Intake & Chemically Induced Mammary Carcinogenesis (Singletary), 1988-89
- 60-122 Accelerated Degradation of Photodegradable Films in an Aquatic Environment (Leonas), 1988-89
- 60-124 Plasma Lipid Lowering Effect of Differently Processed Soy Products (Potter, Chapman), 1989-90
- 60-127 Influence of Dietary Protein & Amino Acids on the Development of Cholesterol Metabolism (Potter), 1990-93
- 60-128 Consumers Use of Money-Saving Strategies in the Purchase of Pet Food & Snacks During an Economic Recession (Fitzsimmons), 1992
- 60-129 Inhibition of DMBA Induced Mammary Tumorigenesis by Carnosol (Singletary), 1991-92
- 60-130 Hormonal Therapy During Recovery from Neonatal Malnutrition: Effects on Growth, Body Composition, and the GH-IGF Axis (Donovan), 1991-92
- 60-201 Socialization & Volunteer Work (Fitzsimmons), 1986-87
- 60-202 Coping Strategies & Consumption Pattern Changes of Families in the Middle Years (Fitzsimmons), 1986-90
- 60-204 State-wide CCR&R Staff Development Coordinator (Patten), 1991-95
- 60-205 Evaluation of the Children First Program (Kramer), 1990-92
- 60-301 Strengthening Single Parents' Social Networks: An Intervention Study (Hughes), 1985-92
- 60-302 Age-Related Patterns of Play Participation in Adult-Structured Preschool Activities (Carpenter), 1985-90
- 60-303 Sleeping Through the Night: Can it Be Facilitated in Breast-Fed Infants? (Birch), 1989-92
- 60-304 The Effects of Self-Care Training Programs on Latchkey Children & Their

- Parents (Todd), 1985-90
- 60-305 Iron & Cell Mediated Immunity (Sherman), 1986-92
- 60-306 Marriage Patterns Among Illinois Farm Families (Salamon), 1985-90
- 60-308 Family & Peer Influences on the Adaptation to the Second Child Transition (Kramer), 1989-92
- 60-309 Development of Young Children's Understanding of Models (Deloache), 1987-92
- 60-310 Consumption Patterns of Population Groups (Magrabi), 1989-93
- 60-311 Sibling Aid Among Mexican-Americans in Illinois (Peterson), 1984-91
- 60-312 Attributional Processes in Premarital & Marital Relationships (Surra), 1986-90
- 60-313 Work in the Working Class: The Effects of Jobs on Rural Families (Perry-Jenkins, Salamon), 1991-95
- 60-314 Women's Awareness, Information Sources & Practices Related to Osteoporosis (Ashbrook), 1986-90
- 60-315 Physical, Chemical, & Microbiological Characterization of Water Associated with Polymer-Solute Model Systems (Schmidt), 1986-90
- 60-316 Rural Young Adult Satisfaction with Drug & Alcohol Rehabilitation Facilities: Interior Design Implications (Pottoff), 1986-90
- 60-317 Tryptophan Supplementation of Infant Formula (Picciano), 1986-92
- 60-318 Diet, Ethnicity & Chronic Disease Risk in 3 U.S. Hispanic Groups (Weigel), 1989-93
- 60-319 Health Care Services as Related to Quality of Life in Rural Illinois (Hafstrom, Fitzsimmons, Pankau), 1987-92
- 60-320 Family Resources Utilization as a Factor in Determining Economic Well-Being of Rural Families (Fitzsimmons, Hafstrom), 1986-93

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- 60-321 Role of Branched-Chain Amino Acids in Skeletal Muscle Metabolism (Layman), 1985-95
- 60-322 Food Quality & Energy Usage in Food Service Systems: Microwave & Convective Thermal (Logomarsino, Klein, Perry), 1973-93
- 60-323 Lipid Oxidizing Enzyme Systems in Vegetables & Legumes (Klein), 1975-90
- 60-324 Chronic Alcohol Intake & Breast Carcinogenesis (Singletary), 1988-92
- 60-325 Consumer Utilization of Direct Marketing (Morganosky), 1988-91
- 60-327 Communication Strategies to Improve Nutritional Practices of Adolescents (Ashbrook), 1983-90
- 60-328 Stress, Coping & Adjustment During Adolescent Transitions (Ebata), 1990-95
- 60-330 Impact of Industrial Homework Regulation on Rural Illinois Families (Douglas), 1988-92
- 60-333 Role of Financial Management in Divorce & Remarriage (Fitzsimmons), 1988-92
- 60-334 Maternal & Dietary Determinants of Infant Selenium Nutrition (Picciano), 1983-91
- 60-337 Iron Nutriture & Lipid Metabolism (Sherman), 1978-88
- 60-338 Characterization of Physical & Chemical Properties of Degradable Plastic Films (Leonas), 1988-91
- 60-339 Quality of Restaurant Buffet Food Selections (Logomarsino, Klein, Blaschek), 1989-92
- 60-342 Effect of Storage Time & Packaging Treatment on Color & Lipid Oxidation In Lean Ground Beef (Brewer), 1989-95
- 60-345 The Role of Exercise & Glycemic Index in Blood Glucose Control in Diabetes

- Mellitus (Keim, Binnington, Soboroff), 1986-89
- 60-346 Sulphur Containing Amino Acids & Lipid Metabolism (Potter), 1988-95
- 60-352 Assessment of Wellness in Women (Pankau, Reber, Misner), 1986-92
- 60-360 Consumer Decision-Making: The Deregulation of the Telecommunications Industry (Cude), 1986-90
- 60-362 Family Money Management: Young Families & Families in the Middle Years (Schram), 1985-89
- 60-364 Intergenerational Transfer of Financial Management Competencies (Rettig, Anderson, Buckley, Morganosky), 1982-87
- 60-366 Farm Wife's External Employment, Family Economic Productivity, & Family Functioning (Hafstrom, Paynter), 1983-90
- 60-376 Movement of Hazardous Liquid Chemicals in Heterogeneous Multilayer Fabric Systems (Raheel), 1989-95
- 60-384 Self-Concept Related to Selection of Apparel (Buckley), 1984-89
- 60-385 Economic, Social, Psychological, & Health Consequences of the Housing Decisions of Rural Families (Wysocki), 1984-90
- 60-399 Rural Households at Risk of Serious Housing Problems in North Central Region (Wysocki), 1989-93
- 60-402 Nutrient Intake While Consuming a Lowfat Diet (Keim), 1987-88
- 60-507 Effects of Iron Nutriture on Folate Metabolism in the Neonate (Picciano), 1984-90
- 60-706 Child Support Payments: Determinants & Consequences (Beller, Graham), 1985-86
- 60-708 Milk Selenium Content & Distribution (Picciano), 1983-87
- 60-709 Associative Conditioning of Children's Food Preferences (Birch), 1984-87
- 60-711 Representational Functioning in Young Children (Deloache), 1989
- 60-712 Coping & Emotional Well Being in Adolescence (Larson), 1987-93
- 60-713 Human Milk Selenium Content & Distribution (Picciano, Milner), 1988-89
- 60-714 Associative Conditioning of Children's Food Preferences (Birch), 1989-90
- 60-715 Associative Conditioning of Children's food Preferences (Renewal) (Birch), 1990-92
- 60-804 Monograph on Prairie Farmers (Salamon), 1988-89
- 65-000 HORTICULTURE
- 65-102 Production of Premium Quality Nursery Trees (Korban), 1985-91
- 65-103 Clarification of the Genetic Nature of Sugary Enhancers on Endosperm Character of Sweet Corn (Juvik, Dickinson), 1985-87
- 65-105 Rockefeller Foundation Biotechnology Career Fellowship (Titus), 1985
- 65-107 Introgression of Resistance to Northern Leaf Blight into Sweet Corn with the Sugary Enhancer Gene: A Genetic & Epidemiological Study (Juvik), 1987
- 65-108 Photodynamic Herbicide Formulation for Wheat (Rebeiz), 1987-88
- 65-109 Photodynamic Herbicide Research Program (Rebeiz), 1988-89
- 65-110 1988-89 Porphyric Insecticide Research Program (Rebeiz), 1988-89
- 65-111 Photodynamic Herbicide Research Program (Rebeiz), 1988-89
- 65-112 Manipulation of Nitrogen & Carbohydrate Economy of Plants by Modifying the Senescence Process (Renewal) (Titus, Kang), 1988-89
- 65-114 Discovering Cultivar/Environment Interactions Through Automated Inductive Learning (Fermanian), 1990-92
- 65-115 Physiological & Genetic Evaluation of Kernel Characteristics Associated with Germination & Seedling Emergence in Maize (Juvik, Tracy, Bar-Tsur), 1989-93

- 65-210 A Participatory Research Network for Vegetable Growers Interested in Alternative Production Systems (Masiunas), 1991
- 65-222 Maximizing Small Fruit Yields by Cultivar Evaluation & Systems Optimization (Skirvin, Kindhart), 1989-95
- 65-222 Maximizing Small Fruit Yields by Cultivar Evaluation & Systems Optimization (Skirvin, Courter), 1980-93
- 65-266 Culture, Chemical, & Environmental Manipulation of Nursery Crops (Williams), 1981-93
- 65-266 Cultural, Chemical, & Environmental Manipulation of Nursery Crops (Williams), 1989-95
- 65-267 Improving Turfgrass Management Practices (Fermanian, Wehner), 1989-95
- 65-267 Improving Turfgrass Management Practices (Fermanian, Wehner), 1982-95
- 65-292 Cultivar Evaluation & Cultural System Optimization with Vegetables (Courter, Splittstoesser), 1980-95

Box 49:

- 65-316 Nitrogen Metabolism & Translocation in Perennial Fruit Trees (Titus), 1964-93
- 65-328 Biochemical & Physiological Basis for Modified Atmosphere Effects on Horticultural Products (Kerbel), 1988-93
- 65-338 Micro-environmental Modification to Enhance Economic Yield & Quality of Vegetable Crops (Gerber), 1986-91
- 65-342 Isolation & Analysis of Major Genes Controlling Quantitative Traits in Horticulture Crops (Juvik), 1987-91
- 65-348 Physiological & Genetic Basis of Insect Host Plant Resistance in Horticultural Crops, 1966-91
- 65-355 The Role of Plant Growth Substances in Woody Plant Establishment & Growth (Kling), 1982-95
- 65-361 Effects of CO₂ & Air Velocity on Plant Development in Controlled Environments (Knight), 1991-92
- 65-362 Maximizing Crop Yield in Controlled Environments with Computer Growth Modelling (Knight), 1987-95
- 65-401 Genetic Manipulations in Perennial Plant Species (Korban, Buetow), 1990-91
- 65-402 Sustainable Production Systems for Vegetables (Renewal)(Masiumas, Weller), 1992-94
- 65-404 Building Bridges: Environmental Education & Corporate America (Sullivan), 1993
- 65-405 Do You See What I See?: Small Experiments in Environmental Education & Training (Sullivan), 1992-94
- 65-501 Identification of Natural & Synthetic Photodynamic Herbicide Modulators (Rebeiz), 1987-90
- 67-000 NUTRITIONAL SCIENCES
- 67-303R Use of Infrared Thermography to Quantitate Heat Loss in Humans (Nelson), 1991
- 68-000 PLANT PATHOLOGY
- 68-000 Plant Pathology - General, 1955-88
- 68-101 Oil Thermoherapy for Control of Seedborne Pathogens of Soybeans (Sinclair), 1982-84
- 68-104 Andersons Agriculture Research Fund, Ohio State University Development Fund

- (White, Jacobsen), 1984-88
- 68-109 Biological Control of Phytophthora Root Rot of Rhododendrons (Paxton), 1985
- 68-113 Phytoalexin Elicitation, Production & Purification (Paxton), 1987-88
- 68-114 Application of Plant Tissue Culture in Soybean Improvement for Brown Spot Resistance (Lim), 1988
- 68-116 Use of Fungicidal Grain Protectants to Reduce Production Costs (White), 1989-93
- 68-118 Multiple Gene Expression From A Single Promoter in Transgenic Plants (Farrand), 1989
- 68-119 Impact of Various Seedborne Fungi & Virus on Soybean Seed, Including Symptoms of Infection, Effect on Grain Quality Standards, Seed Viability (Sinclair), 1988-89
- 68-120 Determining the Effect on Corn Grain Odor of Multiple Applications of Dust Control Rates of Various Soybean Oils & White Mineral Oil (White), 1989-90
- 68-121 Gene Markers for Identifying Microorganisms Released into the Environment (Farrand), 1989-93
- 68-312 Evolutionary Mechanisms in the Prenomycetous Fungi (Glawe), 1987-93
- 68-325 Cellular & Molecular Genetics for Crop Improvement (Shaw), 1983-90
- 68-371 Biology, Epidemiology, & Control of Viruses & Mycoplasma-like Organisms Causing Diseases of Corn (Ford, D"Arcy, Juvik), 1974-91
- 68-378 Detection, Survival, Infection, & Control of Phyto-bacterial Pathogens on Seeds & Plant Parts (Ries), 1975-92
- 68-382 An Incidence, Biology and Management of the Pine Wilt Complex (Malek, Appleby, Himelick), 1983-91
- 68-398 *Siroplasma Citri* in a Model System for the Study of Pathogen-Vwctor-Plant Relationship, 1984
- 68-401 The Use of *Pseudomonas Fluorescens* to Reduce Summer Patch & Increase the Efficiency of Water Absorption by POA *Pratensis* Roots (Wilkinson), 1986-88
- 68-402 Soilborne Diseases of Egyptian Wheat & Maize (Wilkinson, Pederson), 1990-92
- 68-403 Multiple Gene Expression from a Single Promoter in Transgenic Plants (Farrand, Domier), 1990-92
- 68-501 Population Dynamics of *Spyroplasma Citri* as They Affect Plant & Insect Hosts (Fletcher, Eastman), 1982-85
- 68-503 Crown Gall Control: Plasmid Engineering to Maximize Control & Minimize Failure (Farrand), 1983-90
- 68-504 Characterization of Virulence Genes from *Pseudomonas Syringae* pv. *tabaci* (Shaw), 1986-90
- 68-505 Crown Gall Control: Plasmid Engineering to Maximize Control & Minimize Failures (Farrand), 1986-91
- 68-506 Biological Control of Crown Gall: Plasmid Engineering (Farrand), 1988-93
- 68-507 CIS & Transacting Functions Mediating TI Plasmid Transfer (Farrand), 1990-95
- 68-603 Interactions Between Northern Leaf Blight and Stalk Rot Under Corn Tillages (Pedersen), 1981-88
- 68-701 Molecular Genetics of *Agrobacterium* Plasmids (Farrand), 1986
- 68-805 Assembling of Ornamentals Fungicide Performance Data for the IR-4 Program (Neely), 1984-88
- 68-806 Luteoviruses : Methods for Detection & Taxonomy (D"Arcy), 1984-87
- 70-000 VETERINARY MEDICINE
- 70-113 Characterization of Fumonisin B1 Toxicosis in Swine (Beasley), 1990
- 70-114 Interactive Swine Disease & Production Monitoring Network (Bane), 1990

- 70-115 A Diagnostic Case-Control Study of Mystery Swine Disease in Illinois (Bane), 1991
- 70-116 Detection & Epidemiology of Salmonella in Swine (Isaacson, Hungerford, Bane), 1991-93
- 70-203 Evaluation of the Therapeutic Potential of an enterocyte receptor for porcine rotavirus (Kuhlenschmidt, Gelberg, Scherba), 1990-93
- 70-204 Role of Pseudorabies Virus Glycoproteins in Immune Response (Zuckerman, Scherba), 1990-93
- 70-205 Immunological Basis for Age Dependency of Porcine Resistance to Pseudorabies (Hahn), 1990-92
- 70-206 Epidemiologic Analysis of Breed, Geographic, & Management Related Risk Factors for Bovine Anaplasmosis in Illinois (Hungerford), 1990-93
- 70-207 Studies of Subclinical Low-Prevalent Pseudorabies Reactors in Illinois (Scherba), 1990-92
- 70-208 Ribosomal RNA Targeted Oligonucleotide Probes for the Diagnosis of Paratuberculosis in Cattle (Stahl), 1990-93
- 70-211 A Retrospective Case-Control Study of Salmonella Choleraesuis Var Kunsendorf Epizootics on Illinois Farrow-to-finish Swine Farms (Bane), 1992-95

Box 50:

- 70-304 Clinical, Endocrinologic & Histopathologic Changes in Yearling Bulls Grazing Endo-phyte Infected Fescue (Ott, Foley, Zinn, Elsasser), 1990-95
- 70-305 Control for Breeding Season Length in Male and Female Sheep (Jackson), 1990-93
- 70-307 Oral & Parenteral Tetracyclines in Swine; Pharmacokinetics and Tissue Levels (Bane, Hall), 1987-90
- 70-308 Regulation of the Pulsatile Secretion of Uterine Prostaglandin F2a (Hixon), 1991-95
- 70-309 Testicular Lesions in Yearling Bulls With Small Testes (Ott, Parrett, Hixon), 1985-90
- 70-312 Role of Pancreatotoxicity in Weight Loss Syndrome of Chickens Fed Crambe Meal (Jeffery), 1989-93
- 70-313 Effects of Estrogens on Bovine Interstitial Cell Functions (Hixon, Ott, Stein, Scherman), 1982-89
- 70-316 Prevention & Control of Enteric Diseases of Swine (Ristic), 1984-86
- 70-317 Isolation & Genetics of a Porcine Receptor Mediating Sensitivity to E. Coli (Isaacson), 1990-95
- 70-318 Tolerance to Toxicosis Induced by Acremonium Coenophialum Infected Tall Fescue (Zinn), 1990-95
- 70-323 Effect of Cool-Warm-Cool Season Grass Pasture Sequence on Cow Calf Performance (Zinn), 1987-92
- 70-324 Study of the Pancreatotoxic Cruciferous Nitrile, 1-Cyano-2-Hydroxy-3-Butene (Wallig), 1988-91
- 70-325 Use of Kinetic Models to Optimize Treatment of Bacterial Infections in Swine (Bevill, Koritz), 1988-91
- 70-605 Contribution of the Adrenal Gland to Anestrus in Suckled Beef Cattle (Wagner, Hixon), 1982-86
- 70-609 The Effect of Milk Fat, Casein & Endothelial Selection on Bovine Neutrophils (Shadduck), 1982-86

- 70-801 Development of Control Measures for Potomac Horse Fever (Ristic), 1985-87
- 70-904 Computer Assisted Stresses Index Analysis of Oscillations of Heart Rate Obtained Telemetrically (Benson, Thurmon, Olsen), 1988-91
- 70-905 C-Reactive Protein in Swine with Respiratory Disease (Hall), 1987-91
- 70-906 The Effect of the Presence of the Male on Estrous Activity of Postpartum Beef Cows (Ott), 1987-91
- 70-985 Regulation of the Pulsatile Secretion of Progesterone in Cattle (Hixon, Eurell), 1988-91
- 70-986 Epidemiologic Analysis of Risk Factors & Economics of Ovine Respiratory Disease (Hungerford), 1990-93
- 70-987 Pasteurella Pneumonia in Swine: Neuraminidase as a Virulence Factor (Vimr, Hascheck-Hock), 1990-93
- 70-990 Prevention of Salmonella Typhimuricolonization of Swine by Peptide Vaccines (Isaacson, Schook), 1989-93
- 70-991 The Role of Pseudorabies Glycoproteins in Immunopathogenesis (Hahn), 1990-95
- 70-992 Analysis of the Genetic Control of the Cellular Immune Response of Swine to Individual Viral Antigens (Zuckermann), 1990-95

Termination Reports for 68-328 (1991), 35-307 (1988), 10-502 (1994), 35-357 (1989)

Illinois Pork Producers Association (IPPA)

- Reports, 1991
- Awards, 1978-89
- Project Award #15, Welfare of Sows at Farrowing in Different Environments (Curtis, McGlone), 1981
- Project Award #16, Alternative Mixing Strategies for Growing Pigs (Gonyou), 1981
- Project Award #17, Behavior of Swine as it Influences Reproduction (Hemsworth, Dziuk, Gonyou, Curtis), 1982

Illinois Corn Marketing Board (ICMB)

- 86-0022PR-UI, Video on U.S. Grain Standards and Corn Quality in Export (Hill), 1987-90
- 88-0038-05-UI, Beef and Pork Surimi: Characterization and Evaluation of Commercial Potential (Novakofski), 1988-90
- #74, 86-0016-03, Value-Added Corn Through Improvement of Corn Gluten Functionality for Foods (Baianu), 1986-89
- #85, 86-0019-02-UI, Characteristics of Surimi-like Material from Beef, Pork, and Beef By-Products (McKeith, Novakofski), 1986-89
- #91, 89-0047-06-UI, Ethanol Desulfurization of Illinois High Sulfur Coal, 1986-91
- #96, 87-0031-06-UI, Biodegradable Plastics for Corn Starch, 1987-91
- #107, 87-0025-02, Genetic Amplification of Alpha-Amylase in Clostridium Acctobutylicum SA-1 for Improved Conversion of Corn Starch to Butanol (Blaschek), 1987-89
- #112, 87-0026-03-UI, Development of a System to Uniformly Apply Fungicidal Grain Protectants to Corn (Bode, White), 1987-89
- #117, 87-0029-04-UI, Evaluation of an Ethanol-Fumigated Diesel Tractor (Goering), 1987-89
- #135, 88-0035-01-UI, Corn Characteristics: Identification of Corn Properties for Utilization in New Products, 1988-91
- #137, 88-0037-03-UI, Enzymatic Modification and Fractionation of Corn Protein, 1988-91

- #152, 88-0041-06-UI, Use of Fungicidal Grain Protectants to Reduce Production Costs and Improve Grain Quality (White), 1988-90
- #181, 89-0047-06-UI, Desulfurization of Coal Using 1-step Technology:Process Development (Wu, Shiley), 1989-91
- Meeting Minutes, 1991-93
- Illinois Soybean Program Operating Board (ISPOB)
- #77, 3-29-3, Selection and Management of Bees for the Pollination of Soybeans (Jaycox), 1976-77
- #77, 3-31-3, Respiratory Energy Relations in Soybeans (Koeppel), 1977-80
- #77, 3-31a-1, Respiratory Energy Relations in Soybeans (Koeppel), 1976-82
- #77, 3-32-3, Enzymatic Modification of Functional Properties of Soy Proteins (Cheryan), 1977-80
- #78, 4-36-6, Genetics of Plasmids in Rhizosium Japonic (Cole), 1976-82
- #79, 5-40-3, Soybean Breeding & Genetics Program (Hadley, Hymowitz), 1976-82
- #80, 6-41-3, Genetics for Plasmids in Rhizobium japonicum (Cole), 1976-82
- #80, 6-42-3, Soybean Production Research (Johnson), 1976-82
- #80, 6-44-1, Breeding Soybeans for Virus Resistance & Seed Quality (Bernard), 1976-82
- #80, 6-45-3, Soybean Germination: The Effects of Environmental Stress on Energy Production & the Expression of Vigor by Storage & Embryonic Tissue (Koeppel), 1976-83
- #80, 6-47-3, Characterization of Organics in the Soybean Rhizosphere (Bannart, Hassett, Paxton), 1980-84
- #81, 7-53-3, Interactions Between Microorganisms as a Means of Biological Control of Soybean Pathogens (Sinclair), 1980-85
- #81, 7-51-4, Improving Soybean Productivity & Seed Quality (Dickinson), 1976-86

Box 51:

- #82, 8-56-3, Resistance, Nematicides, & Cultural Practices for Control of the Soybean Cyst Nematode (Edwards, Noel), 1976-86
- #82, 8-58-3, continuation of #79, 5-40-3, 1976-86
- Project Award, Soybean Pest Management Practices, 1990-94
- Progress Reports, 1979
- Progress Reports, 1979-81
- Progress Reports, 1983-84
- U.S. Army-Corp. of Engineers: Crop Production Costs for Flood Loss Estimates, 1978
- Cooperative Agreement SLIFE-APHIS, Noxious Weed, 1980
- Special Grants (Animal Health & Disease), 1978-80
- Proposals (Animal Health & Disease) Formula Funds, 1979

Box 52:

FILES TRANSFERRED IN SEPTEMBER 2000

Agricultural Administration

- 01-690 WIU/UI Special Grant/Subgrant - Rural Environment Research in Illinois
- 01-691 ISU Memo of Agreement: Aquaculture Project
- 01-691 ISU Memo of Agreement: Intensive Commercial Aquaculture Research 1995

- proposal
- Agricultural Communications
- 04-201 State of the State: Effect of Fertilizer on Water Quality in IL
 - 04-301 Development of Students' Attitudes on Agricultural Issues
 - 04-401 Buried Treasure: 50 Ways to Protect Groundwater
- Agricultural Economics
- 05-000 AG Economics General
 - 05-133 Financial Dualism in West Africa: Contractual Arrangements Between Borrowers and Lenders
 - 05-213 The Impact of Business Climate Factors on Agricultural Value-Added Enterprises
 - 05-214 Assessing the Impacts of Increased Agricultural Value-Added Activity
 - 05-222 Developing Consumer and Product-Oriented Market Channels
 - 05-344 Impacts of Transportation Changes on Agricultural Marketing and Local Communities
 - 05-345 A Classification of Trade Protection Schemes for Farm Products
 - 05-346 Analysis of the Structure Efficiency and Competitiveness of the Southern US Grain Marketing System
 - 05-356 Quantifying Long-Run Agricultural Risks and Evaluating Farmer Responses to Risk
 - 05-369 The Organization and Performance of World Food Systems: Implications for US Policies
 - 05-407 Illinois Farm and Agri - Industry Finance Research Program (Lins)
 - 05-410 Price and Quality Competition in International Soybean Markets
 - 05-601 Enhancing Managerial Education to Attract Young Men and Women
 - 05-706 Collection, Analysis and Reporting Farmland Values in the Corn Belt
 - 05-709 Grain Marketing: A Transportation Flow Study Update (Hill)
 - 05-710 Economic Analysis of Cost and Benefits of Pest Control (Zavaleta)
 - 05-711 Improving Local Road Management in Rural Governments (Chicoine)
 - 05-712 Fertilizer Tests and Demonstrations (Erickson)
 - 05-713 Efficient Protection of Fish Habitat in Great Lakes Tributaries From
 - 05-714 Breeding Beans for Disease and Insect Resistance and Determination
 - 05-715 Breeding Beans for Disease and Insect Resistance and Determination
 - 05-716 Collaborative Research in Decision Risk and Management Science
 - 05-717 Fertilizer Tests and Demonstrations (Erickson)
 - 05-719 Climate Prediction, Climate Change, and Agriculture (Sonka)
 - 05-721 Aggregation, Declining Block Prices, and Urban Water Demand in Humid
 - 05-804 SOILEC Computer Program (Eleveld, Johnson)
 - 05-809 Aggregate Analysis of the Livestock Industry
 - 05-810 Enhancing the Diffusion of No - Till Farming (Van Es)
 - 05-811 Methodological, Conceptual, and Analytical Problems in Depreciation
 - 05-814 Domestic and Export Movements of Grain (Hill, Lowell)
 - 05-816 Determinants of Rail Rate - To - Cost Ratios for Grain Shipments
 - 05-817 Economic Analysis of Aggregate Impacts of Technological Change
 - 05-818 Export Opportunities for High Valued Agricultural Products (Schmidt)
 - 05-819 Analysis of Cooperative Grain Movement Patterns in the United States
 - 05-820 Consortium for Research on Crop Production Systems (Taylor)
 - 05-821 Technological Advance and Inputs Quality (Offutt, Seitz)
 - 05-822 Graduate Student and Student Worker for Study of Multi-State Rural Road

Box 53:

Agricultural Economics

- 05-823 Input Use, Government Programs, and Farm Size (Hornbaker)
- 05-824 Economic Soil Loss Tolerance Levels (Seitz)
- 05-825 Omissions in Farm Sector Balance/Sheet/Benchmarking Recordkeeping
- 05-826 Price Relationships in Commodity and Product Markets: Behavior
- 05-827 Judgement - Based Watershed Modeling (Seitz)
- 05-829 Food and Agriculture Policies for the 1990's Public Preferences (Guither)
- 05-830 Evaluation of Farmers Home Administration Disaster Relief Loan Program
- 05-831 Judgement - Based Watershed Modeling (Seitz)
- 05-832 Costs and Benefits of Redefining the Grade Factor Broken Corn Foreign
- 05-833 Aggregate Loan Portfolio Quality and Risk Assessment (Barry)
- 05-834 1990 Agricultural and Food Policy Workshop (Spitze, Robinson)
- 05-835 The Economist Analysis of the United States Trade Barriers on Taiwan=s
- 05-836 Research Program for Purposes Permitted Under Section 12.3 Illinois
- 05-837 Pesticide Use and Economic Viability of Crop Production Enterprises
- 05-838 Agricultural, Resource and Environmental Policy Research consortium
- 05-839 Measuring Costs and Benefits of Cleaning Corn in Domestic and Export
- 05-840 Development of Watershed Management Models in Spreadsheet
- 05-841 Applicability of SCS - Grass in Socio-Economic Analysis (Braden)
- 05-842 Southern Illinois Case Study (Sofranko)
- 05-843 Efficiency of Financial Markets of Interest Rate Differences on Farm Loans
- 05-844 Economic Evaluation of Changing the Intermediate Reference Network
- 05-846 Assessing the Relationship Between Barge and Rail Rates

Agricultural Engineering

- 10-000 Agriculture Engineering General
- Agriculture Engineering Inactive Projects
- 10-130 Generation Rates of Air Contaminants from Underfloor Swine Manure Pits
- 10-131 Low Temperature Air Distribution: Jets of Low Temperature Air
- 10-132 A Process to Enhance the Compatibility of Ethanol and Fructose Production
- 10-134 A Study of the Effects of Room Air Flow on Gas Release from Manure and Development of Gas Release Prediction Models
- 10-145 Environmental Quality in Animal Housing Facilities
- 10-148 KGF Biosolids Project
- 10-212 Knowledge-Based Adaptive Control of Dryers
- 10-339 Spatial Variability of Crop Production Variables
- 10-406 Air and Contaminant Movement Study for Improving Ventilation Design of Partitioned Office Rooms
- 10-714 Indoor Air Quality
- 10-817 Flexible Plastic Seal Defects Detection

Agricultural Entomology

- 12-313 Modeling Agro-Ecosystems to Improve Pest Management
- 12-331 Arthropod Induced Stress on Soybean: Evaluation and Management
- 12-805 Ag Entomology - Plant Pathology - Agronomy/Plant Pest and Animal Disease Program - Folder 1
- 12-805 Folder 2
- 12-805 Folder 3
- 12-805 Ag Entomology - Plant Pathology - Agronomy/Plant Pest and Animal Disease Program - Folder 4
- 12-811 A Two Year Evaluation of Protectant Insecticides for Store Corn: Residue

- Levels Efficacy, and Benefits to Grain Grade and Value
 12-825 International Arid Lands Consortium: Restoration Ecology Workshop
 Agronomy
 15-000 Agronomy Administration
 15-000 Agronomy General

Box 54:

- Agronomy
 15-061 Increasing the Nutritional Value of Soybeans by Genetic Manipulation of Protease Inhibitors (Hymowitz)
 15-110 The Role of Repetitive DNA Sequences in Maize Genome Adaption
 15-121 A Proposal for Creating a Center of Excellence in Molecular Genetics
 15-150 Targeting Agronomically Important Genes in Soybean By Rapid Analysis Of Near Isogenic Lines
 15-162 Improvement of Soybean by Genetic Manipulation
 15-163 Soybean Breeding and Genetics (Nickell, Thomas)
 15-174 Creation of High-Protein Adapted Cultivars by Genetic Engineering (Vodkin)
 15-175 Gytogenetic and Molecular Approaches to Soybean Genome Mapping
 15-176 Selection of Foliar Spray Adjuvants for Improved Velvetleaf
 15-178 Development of Pathogen and Pest Resistant Soybean Lines From Exotic Germplasm
 15-181 Support of Soybean Extension Project (Pepper)
 15-187 Tissue - Specific Promoters Useful for Disease Resistance Strategies
 15-190 Reducing Cost of Weed Control for Lo-Till Soybeans (Knake, Walsh)
 15-198 Soybean Improvement Through Tissue Culture Selection
 15-201 Evaluation of Genetic Factors That Affect Kernel Hardness in Maize
 15-247 Spatial Variability of Soil PH Phosphorous and Potassium Levels in Two Illinois Fields
 15-248 Comparison of Plow Layer Distributed and Surface Applied Limestone for No-Till Crop Production
 15-250 Nutrient Placement and Movement Under Zero - Till Conditions (Paul)
 15-251 Factors Affecting the Efficient Use of Nitrogen Fertilizers in Illinois Soil
 15-261 An Analysis of the Effect of Phosphorous Fertilizer Placement on Corn Growth and Development in Illinois
 15-263 Potassium Related Mineralogy in Long-Term Fertility Treatment
 12-265 Identifying Site Specific Limitations to Successful in Situ Bioremediation of Agriculture Retail Sites
 12-271 Extraction of K from Illinois Soil by Electro-Ultrafiltration
 15-272 Comparison of Plow Layered-Distributed and Surface Applied Limestone for No-Till Crop Production
 15-282 Determining the Crop Yield Potential of New Illinois Soil Types
 15-336 Microbile Influence on a Saturated Hydrolic Conductivity of Soils
 15-343 Ultrastructural Analysis of Maize Embryos During Kernel Development and Germination
 15-372 Sequential Grazing Systems of Perennial Warm and Cool Season Grass for Marginal Lands
 15-378 Chemistry and Bioavailability of Waste Constituents in Soils
 15-408 Molecular Engineering of the Maize G1B1 Gene
 15-420 Evaluation of the Effect of Starter Fertilizer on the Fallow Syndrome Resulting

From Leaded Soils

- 15-517 Development and Genetic Controls of a Soybean Hydroxyproline-Rich Protein
- 15-601 Maize Genetic Stock Center (Fletcher, Lambert, Coe)
- 15-603 Sensitivity of Corn and Soybean Cultivars to Simulated Acid Precipitation
- 15-605 Prime Farmland Reclamation After Surface Mining
- 15-606 Interaction of Acid Rain and Drought Stress on Yield and Growth of Corn
- 15-607 Prime Farmland Reclamation After Surface Mining (Darmondy)
- 15-607 Prime Farmland Reclamation After Surface Mining (Jansen)
- 15-609 Studies to Reduce the Aflatoxin Problem in Corn

Box 55:

Agronomy

- 15-612 1992 National Symposium on Prime Farmland Reclamation
- 15-613 Prime Farmland Reclamation After Surface
- 15-617 Determination of Suitability of Alternative Pesticides Using Paired Treatment
- 15-704 Selection and Characterization of Autotrophic Plant Cell Cultures (Widholm)
- 15-710 Simulated Acid Rain Effects on Yield and Growth of Corn and Soybeans
- 15-712 Evolution of Nitrogen Compounds From Crop Plants Under Ambient
- 15-713 Soil Survey United States Crop Productivity as a Measure of Soil Productivity
- 15-714 A Study of Underlying Basis for Effects of Iron Oxidation State of Clay
- 15-715 Losses of Heavy Metals to the Atmosphere by Volatilization and Emissions
- 15-716 Supplemental Support for a NATO Advanced Study Institute on Iron in Soil
- 15-717 Curation of a Unique Maize Collection (DeWit)
- 15-718 Exploitation of Physiological and Genetic Variability to Enhance Crop
- 15-719 Biological N₂ Fixation: Fate and Availability of Fixed N in Pakistani
- 15-720 Mossbauer Spectrometer Accessories to Study the Magnetic and
- 15-722 Determination of the Physiological Responses Associated with Near Double
- 15-723 Accession #9000054 DACA 88-90-Q-0512
- 15-724 Ecological and Physiological Responses Aspects of Symbiotic Nitrogen Fixation
- 15-725 Soil Stabilization on Soils With Explosive Residues (Banwart)
- 15-726 Plant Uptake of Explosives Residues in Solutions (Banwart)
- 15-727 Stabilization of Explosives Contaminated Lands and Terrestrial Plant Uptake
- 15-728 Oxidation Reduction Mechanisms in Iron-Bearing Phyllosilicates (Stucki)
- 15-729 Characterization of Wastewater Treatment Plant Sludge Dewatering
- 15-731 Evaluation of Genotypic Variation of in Maize Response to Enhanced
- 15-732 Analysis of the Soil/Water for Explosives and Heavy Metal Contamination
- 15-733 Hydrologic and Waste Treatment Characteristics of Vegetated Sand Filter
- 15-734 Analysis of the Anaerobic - Stress Response in Maize (Sachs)
- 15-735 Sample Analysis (Banwart)
- 15-736 Field Evaluation of Plant Uptake of Explosives From Soil (Banwart)
- 15-801 Laboratory Testing of Soil Samples for Soil Surveys (Olson)
- 15-803 Plant Pest and Animal Disease Programs (Holt, Luckmann, Ford)
- 15-804 Development of Detailed and Small Computer Models for Predicting
- 15-805 Soil Degradation Study - Soil Conservation Service (Olson)
- 15-806 Adaptation of Near Infra Red Reflection Spectrometer for Mold Detection
- 15-807 Laboratory Testing Soils Samples for Soil Surveys (Jansen)
- 15-809 Biochemical and Molecular Analysis of Ribulosebisphosphate Carboxylase
- 15-810 Influence of Tillage System and Water Management Practices on Leaching
- 15-812 Environmental Effects on Water Flow Through the Soil - Plant - Air

- 15-813 Degradation, Persistence and Environmental Fate of Imazaquin
- 15-814 Management of the USDA Perennial Glycine Germplasm Collection
- 15-815 Soil Property Effects on Mobility and Persistence of Herbicides
- 15-816 Degradation, Persistence and Environmental Fate of Imazaquin
- 15-817 Modeling Weed - Soybean Inference to Establish Baseline Data
- 15-818 Development of Soybeans for Direct Human Consumption (Schrader)
- 15-819 Evaluation of Natural Abundance ¹⁵N Techniques for Groundwater Nitrate
- 15-820 N₂ Fixation and N Supply Effects on Soybean Seed Fill Duration and Yield
- 15-823 Soil Water and Formulation Effects on Herbicide Movement Through Loss
- 15-825 Nutrient Management Advisor System (NUMASD) (Maran)
- 15-831 Using Polymerase Chain Reaction Technology to Identify Genetic Diversity
- 15-832 Influence of Tillage Practices Upon Soil Water Movement and Utilization

Animal Science

- 35-000 Animal Science General
- 35-000 Dairy Science General
- 35-111 Effect of Processing Methods on Availability of Amino Acids and Energy
- 35-120 Optimizing Heat Processing of Whole Soybeans (Merchen)
- 35-121 Analysis of Milk Proteins & Genetic Markers for Milk Proteins in Meishan Sows

Box 56:

Animal Science

- 35-122 Effect of Feeding Ractopamine on the Organoleptic Properties of Fresh Pork
- 35-125 The Effect of Starter Feeding Programs on Growth and Body Composition
- 35-179 Evaluation of Soybeans as a Source of Amino Acids 35
- 35-180 Cell Type and Development Aspects of Insulin - Like Growth Factor - Bind
- 35-187 High - Oil Corn for Dairy Cows (DuPont)
- 35-194 Genetic Markers for Reproductive Performance of Purebred Meishan
- 35-195 Optimum Slaughter Weights for Swine: The Impact of Genotype
- 35-199 Biochemical and Molecular Mechanisms of Diminished Insulin Secretion
- 35-201 Genetic Manipulation of Clostridium Acetobutylicum for the Fermentation
- 35-206 Development of an Ultrasound Grading System (Novakofski, O=Brien)
- 35-208 Conversion of Corn Products by a Unique Yeast into Value-Added Feed
- 35-328 The Swine Histocompatibility Complex and its Association With Help
- 35-361 Dietary Factors Affecting Acid-Based Balance in Exercise Horses
- 35-388 Characterization of the Palatability Attributes of Pork Produced by Chinese Pigs
- 35-395 Behavioral Comparison of Chinese and European Breeds of Pigs & Their Crosses
- 35-410 Thiaminases and Cerebrocortical Necrosis in Ruminants (Mackie)
- 35-503 Growth Patterns of the Pig Uterus (Dziuk)
- 35-504 The Bovine Mammary Immunoglobulin G Receptor (Hurley)
- 35-505 Cellulose Degradation by Ruminococcus Species: Genetic and Molecular
- 35-506 Proximate Composition of the Major Beef Carcass Muscles (McKeith)
- 35-508 Detection of Major Genes for Growth Using Genetic Markers (Lewin)
- 35-509 Molecular Analysis of the Bovine Major Histocompatibility Complex (Lewin)
- 35-510 Cellular and Molecular Biology of Bovine Lactoferrin (Hurley)
- 35-513 Mapping and Polymorphism of Bovin Major Histocompatibility (Lewin)
- 35-516 Androgens and Extrogen Biosynthesis in Theca Cells of the Hen (Bahr)
- 35-517 Enzymatic and Genetic Analysis of Ruminococcus Cellulases
- 35-519 Mapping Major Genes for Growth and Reproductive Traits in Swine (Schook)

- 35-520 Modification of the TNFa Gene in Swine Embryonic Stem (Wheeler)
- 35-522 Towards a 20 cM Map of the Bovine Genome (Lewin, Fernando)
- 35-525 Regulation of Hepatic Ketogenesis in Low-Birth-Weight Piglets (Odle)
- 35-527 Swine Mapping Gene (Giles)
- 35-530 International Conference on Comparative Gene Mapping (Lewin)
- 35-601 Integrated Health Management for Confined Swine (Hollis)
- 35-602 Pig Welfare: Ethology Immunology and Physiology (Curtis)
- 35-603 Autocrin/Paracrine Control of Mammary Lactoferrin During Mastitis (Hurley)
- 35-704 Fatty and Aromatic Acid Catabolizing Bacteria in Methanogenic Ecosystems
- 35-707 The Bovine Placental Lactogen Gene Family (Hurley)
- 35-709 Toxic Effects of Benzophrene on Immunocompetent Cells
- 35-710 Dimethylnitrosamine Effects on Cellular Immunity (Schook)

Box 57:

Animal Science

- 35-711 Regulation of Progesterone Biosynthesis by Androgens (Bahr)
- 35-712 Possible Role of Proteo-Glycans in Ovulation (Jackson, Bahr)
- 35-713 Hormonal Restoration of a Functional Thymus During Aging (Kelley)
- 35-714 Reciprocal Relationship Between the Immune and Central Nervous Systems
- 35-715 Research Experience for Undergraduates Supplement to NSF (Bahr)
- 35-722 Microbial Degradation of Nitrocellulose (Mackie)
- 35-803 Mapping Domestic Animal Genomes: Needs and Opportunities (Schook)
- 35-804 Characterization of Cellulases From Ruminococcus Albus (White)
- 35-805 Mapping and Polymorphism of Bovine Major Histocompatibility (Lewin)

Food Science

- 50-000 Food Science General
- Food Science Department Equipment
- Wallace Genetic Foundation Agreement in Food Science Fund
- 50-110 Purification and Stability of Lipid Transfer Protein
- 50-111 Evaluation of Lysostaphin for the Identification of S. Aureus
- 50-115 Selective Inhibition of DMBA B DNA Adducts by Selenium Supplementation
- 50-119 Research and Engineering Apprenticeship Program
- 50-121 Studies on the Mechanism of Grain Dust Suppression Using Soybean Oil
- 50-123 Micromethods for the Study of Lipoprotein Metabolism
- 50-127 The Evaluation of Egg White and Alginate for the Enhancement of Fresh Like
- 50-127 The Evaluation of Flavor Entrapment or Protection by Egg White (Artz)
- 50-128 Villota
- 50-129 Effects of Post B Packaging Pasteurization and Refrigerated Storage
- 50-132 New Applications for Egg White/Alginate and an Examination
- 50-141 New Applications for Egg White/Alginate and an Examination
- 50-142 Analysis of the Volatine and Non-Volatine Components of Heated Fatty
- 50-143 Prediction of Nutrient Retention in Food Processing and Storage
- 50-145 Cultured Macrophage Response to a Linolemate From Soybean
- 50-147 Utilization of Soybean Meal/Soy Molasses in Polymers: Wood Adhesives
- 50-149 Expansion of Soybean Utilization in the Plastics, Pharmaceutical (Baianu)
- 50-151 B-Carotene Bioavailability From Beverages in Ferrets (Erdman)
- 50-152 B-Carotene Bioavailability From Beverages in Ferrets (Continuation)
- 50-153 Dietary Effects of Flax Seed (Smith) Natural Ovens of Manitow
- 50-154 LDL Metabolism in Vitro Under Magnesium Deficiency (Smith)

- 50-156 Milk Fat Globule Membrane Modification by Selective Absorption
- 50-164 Rapid Evaluation of Freshness and Protein Quality in Milk (Jimenez)
- 50-201 Technical and Economic Feasibility of New Separation Technologies
- 50-202 Manipulation of Soybean Oil Composition
- 50-203 Development of Improved Micro-Encapsulation Technologies
- 50-204 Soybean Product and Process Research and Development (Nelson)
- 50-206 Improvement of the Saccharification Process Using a Continuous (Cheryan)
- 50-207 Screening the USDA Soybean Germplasm Collection for Genetic
- 50-208 Development of a commercially Useful Thermostable α -Galactosidase
- 50-314 Development of Super Critical Fluid Extractio and Chromatography From Carrot Root
- 50-321 Protein Texturization in High Moisture Systems
- 50-356 Physicochemical Study and Modification of Food Proteins for Improved Utilization
- 50-403 Research and Engineering Apprenticeships Program (Steinberg)
- 50-405 ITT Cooperative Agreement FD-0-00431-01 (Seidler)
- 50-406 Development of Clostridium Acetotyllicum Strains with Superior
- 50-407 Modification of Milk Composition Using Retroviral Vectors (Jimenez)
- 50-408 Formation of Isomers and Off Flavors During Food Oil Processing
- 50-504 Examination of the Dietary Need for N-3 Fatty Acids using a
- 50-506 The Pre-Ruminant Calf as a Model for the Study of Human Carotenoid
- 50-508 Molecular Genetic Analysis of Dietary Fat- Regulated Gene Expression
- 50-509 CMA From Corn: Scale-Up of the Fermentation and Recovery Processes
- 50-702 Effect of Dietary Selenium on the Initiation of DMBA Carcinogenesis
- 50-706 Selenium Modification of Gene Expression (Milner)
- 50-707 Transformation of Clostridium Perfringens Protoplast (Blaschek)
- 50-709 Ultrasonic Propagation Properties in Intact Tissue (Erdman, O=Brien)

Box 58:

Food Science

- 50-710 Human Metabolism of Deuterated Caotenoids (Erdman)
- 50-711 Soybean Research and Utilization (Nelson)
- 50-714 Genetics of Solvent B Producing Clostridia (Blaschek)
- 50-802 Assessment of Lysine and Arginine Status and Requirements (Visek)
- 50-803 Structural and Hydration Studies of Potato Starch | Relation to Functionality

Forestry

- Other Forestry Projects - Not in College of Agriculture
- 55-207 A Business Plan for a Hardwood Veneer Mill in Illinois
- 55-347 River Flooding and Sedimentation Effects on Soil Processes of Flood Plain Forests
- 55-349 Alternative Methods for Modeling Individual Tree Mortality
- 55-361 Market Potential for Clear Palate and Grade Lumber Recovered from Low Grade Logs
- 55-374 Stand Structure and Dynamics of Bottomland Forests in Illinois
- 55-385 Farming and Forestry: An Integrated Approach
- 55-721 US Army Land Condition B Trend Analysis and the Nature Conservancy Biological Conservation Data Systems Linkage
- 55-722 Integrated Natural Resource Management and Environmental Compliance
- 55-723 Applications of Land Condition B Trend Analysis Data to Support Development

- of a Carrying Capacity Model on US Army Training and Testing Sites
- 55-827 Long-term Dynamics of Forest Stands in Venezuela
- 55-843 Training and Public Awareness Video B Oak Wilt Disease in the North Central States
- 55-846 Partipative and Adaptive Management of Public Forests: Flexible Method
- Human Relations/Family Science
 - 60-123 Plasma Lipid Lowering Effect of Differently Processed Soy Products (Potter)
 - 60-125 Plasma Lipid Lowering Effect of Soybean Protein and Soy Fiber
 - 60-126 Supplement to Plasma Lipid Lowering Effect of Differently Processed Soy
 - 60-206 The Development of a Novel Textile Fiber from Corn (Yang)
 - 60-307 Factors Affecting the Selection and Stability of Childcare
 - 60-314 Effect of Light, Alpha Tocopherol in Frozen Storage Time on Color and Lipid Oxidation of Lean Ground Meat
 - 60-329 Antecedents of Father Involvement with Preschool-Aged Children
 - 60-347R Water Imbibition and Texture of Reverse Hard to Cook Defect Cowpeas
 - 60-351 Apparel Consumption of the Rural Elderly
 - 60-370 Structure and Dyeing Properties of Textiles by Lipid Chromatography Over Packed Beds of Fabrics
 - 60-382 Rural Retailing Impact of Change on the Consumer and Community
- Horticulture Department
 - 65-000 Horticulture B General
 - 65-113 Strawberry Management Systems: Combining Trickle Irrigation Living Mulches and Terbacil
 - 65-116 Eastern Black Night Shade Control in Peas
 - 65-304 Chemistry and Atmospheric Deposition B Effects on Agriculture, Forestry, Surface
 - 65-356R Nutrient Utilization Efficiency in Cool Season Turfgrass
 - 65-364 Ultraviolet Irradiation for Disinfestation and Acclimatization Micropagation
 - 65-407 Communicating Envionmental Change: Computer Simulation and Environmental Impact Statements (Supplemental Requests)
 - 65-701 Chlorophyll Biosynthesis B The Reactions between Coproporphyrinogen
 - 65-702 Chlorophyll Biosynthesis B Biosynthetic and Regulatory Studies of the Reaction
 - 65-703 Landscape Materials in an Urban Environment
 - 65-704 Studies of the Enzymology and Regulation of Chlorophyll Biosynthesis
 - 65-705 Interactive Effects of C02 Enrichment and Temperature on Growth
- Nutritional Science
 - 67-000 Nutrritional Science B General
 - 67-102 Plasma Lipid Lowering Effect of Soy Protein and Soy Fiber in Free B Living
 - 67-304 Factors that Modulate Synthesis and Excretion of Orotic Acid
 - 67-305 Effect of Diet and Exercise on Mammary Tumorigenesis
 - 67-701 Pre and Post Doctoral Training in Nutritional Science (Milner)
 - 67-801 The Role of Nutrition in Health Maintenance Workshop
- Plant Pathology
 - 68-000 Application of Plant Tissue Culture in Soybean Improvement for Brown Spot Resistance (Lim and Widholm)
 - 68-108 Engineering Competitive Soybean Rhizobia
 - 68-122 90-ISPOB-16-90A-1 (White) Use of Soybean Oil and Fungicides to Prevent Storage Molds of Corn
 - 68-124 Improving Disease Resistance in Sweet Corn
 - 68-125 Support of Research and Education Programs in Nematology

Box 59:

Plant Pathology

- 68-244 Seed Borne Bacterial and Fungal Pathogens of Soybean and Seed Quality
- 68-306 Evolution and Systematics of Plant Pathogenic Fungi
- 68-381 Interaction of Nematode Host Variability and Abiotic Factors on Crop Losses
- 68-404 Molecular Techniques for Management of Phytophthora Root Rot

Botany

- 69-390 Effects of Environmental and Biological Stresses on Woody Landscape Plants

Veterinary Medicine

- 70-000 Veterinary Res General
- 70-111 Continuation of Ivermectin/Horse/Oral/Liquid/Paste/Clinical/Dose Confi/
- 70-112 Comparison of the Efficiency of Alteration of Ivermectin, Oxibendazole
- 70-201 Illinois Animal Health Monitoring System (Weigel)
- 70-202 Epidemiology and Economics of Bovine Respiratory Disease in Beef Bulls
- 70-210 Characterization of the Porcine Enterocyte Receptor for a Group A Rotavirus
- 70-501 Fowlpox Virus as Cloning Vector for Poultry Pathogens
- 70-502 The Role of Oxytocin and its Uterine Receptor in Luteolysis
- 70-504 Placental Separation in Cattle - Prostaglandins, Sterioids, and Leukocyte
- 70-505 Inhibition of Luteinizing Hormone Secretion
- 70-506 Virulence Factors of Enterotoxigenic E. Coli (Isaacson)
- 70-613 Placental Hormone Synthesis and Retained Placenta in Dairy Cattle
- 70-614 A Molecular Phylogeny of Mycobacteria Directed to Johnes Disease
- 70-615 Intracellular Signaling and Modulation of Bovine Mammary Leukocytes
- 70-617 Porcine Pulmonary Injury Due to Neutrophils (Shaddock, Bertram)
- 70-618 Molecular Markers of Laryngotracheitis Viruses of Variable Respiratory
- 70-619 Evaluation of Transplacental Infection by Ehrlichia Risticii
- 70-620 Placental Separation in Cattle: Prostaglandins, Sterioids and Leukocyte
- 70-621 Isolation and Characterization of the Enterocyte Receptor for Porcine
- 70-803 Integrated Management of Stable Flies in Cattle Feedlots (Jones)
- 70-804 Regulation of Oxytocin - Induced PGF2a Secretion by Ovarian Sterioids
- 70-805 Epidemiology of Ovine Progressive Pneumonia (OPP) in Sheep (Hungerford)
- 70-809 Longterm Feeding Studies in Broiler Chicks to Evaluate Crambe as a Supplement (Wallig, Tumbleson, et. al.)
- 70-908 Evaluation of Pseudorabies (Aujeszky's Disease) vius latent infect. in natural host, swine) AHD proj.
- 70-909 Modifications to 3 Day Event to Promote Optimal Safety and Recovery on Speed and Endurance Day
- 70-988 Quantitative Research Methods in Pseudorabies Eradication

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- 65-331 Precision Turfgrass Management, 1998
- 65-332R Physiological & Genotypic Basis for Nitrogen Use Efficiency in Vegetable Crops, 1995
- 65-336 Illinois Soil Quality Initiative, 1998
- 65-338 Long - Term Accumulation of Carbon and Nutrients in Forest, 1994-98
- 65-340 Forest Community Dynamics of East - Central Illinois Forests, 1995-98

- 65-344 Rate of Biodegradation of Treated Hardwood, 1991-98
 65-347 Cultural & Chemical Systems to Increase Vegetable Yield & Quality (Splittstoesser), 1997
 36-347 Cultural & Chemical Systems to Increase Vegetable Yield & Quality, 1997
 65-349 Abiotic Impacts on the Growth and Development of Horticulture Plants, 1993-98
 65-354 Agriculture and Urbanization: Toward Satisfying Competing Demands, 1992-97
 65-370 Effect of Oxidation State on Clay Texture, 1992-97
 65-376 Improving Efficiency of Fertilizer use in Greenhouse Production Systems, 1996-2001
 65-377 Increasing the Sustainability of Illinois Vegetables Cropping Systems, 1996-98
 65-379 Herbicide Fate in Food Webs of Illinois Reservoirs, 1996-97
 65-383 Modeling Crop, Forage and Woodland Yield Responses to Illinois Soils, 1997-98
 65-385 The Impact of Welfare and Urban Families in-- (Wiley), 1997-98
 65-395 Public Deliberation, Land Use Debate, and Environmental Controversies, 1997-98
 65-403 Genetic Engineering of the BT Gene for Developing Pest Resistance, 1992
 65-406 Managing Pests of Cabbage & Snap Beans Using Cover Crops, 1996
 65-423 Illinois Strategic Plan for Sustainable Agriculture and Implementation, 1996
 65-426 Alfalfa Weevil and Potato Leafhopper Mgt. In Livestock/Alfalfa System, 1997
 65-502 Bioprocess Strategy to Amplify Natural Plant Pigment Production in Vitro, 1997

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- 65-503 No- Tillage and Crop Cover Effects on Pest Management in Vegetable Crops, 1994-96
 65-504 Biogeochemistry Of Constructed Wetlands (David), 1992-96
 65-511 Autoinducer- Dependent Expression o Erwinia (von Bodman), 1997
 65-522 Surface Chemistry Of Oxidized And Reduced Phyllosilicates (Stucki), 1998
 65-523 Is Surface Associated Organic Matter The Biologically (Wander), 1994-97
 65-708 Feed Waste Pilot Facility (Williams), 1993
 65-729 A Comparison of Chicago's Scattered Site and Aggregate Public Housing Residents Psychological Self-Evaluation (Vining), 1998
 65-801 Establishing Five Satellite Malus Germplasm Core Collections in, 1998
 65-802 Coping With Poverty: The Value of Nature in Urban Public Housing, 1994
 65-803 Trees and Chicago Public Housing (Kuo), 1994-97
 65-804 Trees and Urban Public Housing Enhancing (Kuo, Sullivan), 1994-97
 65-807 Support Evaluation of National Small Grains Collection, 1997
 65-810 Evaluation of Mexican Bean Beetle Resistance to Chinese Soybean, 1996-97
 65-822 Ecological Study of Microsporidium and Gypsy Moth (Onstad), 1997

Box 61:

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- 65-824 Interactive Effects of Acid Rain on Oats and Crown Rust (Banwart), 1997
 65-850 Tri - State Forest Stewardship Conference (Bolin), 1997-98
 65-854 Growing Hope - Children, Trees, and Urban Public Housing (Kuo), 1995-98
 65-855 The Development of Composition Panel Products From (Chow), 1995-97

- 65-856 Crop Yield and Productivity Index Ratings for Illinois Soils, 1996-98
65-859 Illinois Forest Stewardship Magazine Plant Pathology, 1994-98
68-123 Genetic Analysis of Brown Spot Resistance in Soybean Plants, 1991-95
68-126 Characterization of Pathogenic Variability of *Fusarium Solarni*, 1995-96
68-305 Evaluation of Potential Biocontrol Agents for Soybean Cysts Nematode, 1995
68-373 Molecular Basis Plant-Bacteria Interactions, 1990-95
68-509 Assessing Horizontal Gene Transfer From Rhizosphere Microorganisms to a Gem, 1992-95
68-510 CIS and Transacting Functions Mediating TI Plasma Transfer Veterinary Research/Medicine, 1995
70-209 Immunotropism of gl-Deleted Pseudorabies Vaccines, 1995-97
70-212 Preliminary Isolation & Characterization of a Bovine Enterocyte Receptor for *Cryptosporidium*, 1993-95
70-216 Characterization and Efficacy of a Bovine (Gilberg, Kuhlenschmidt), 1995
70-217 PCR Detection of Toxigenic *Pasteurella Multocida* Infections, 1995-96
70-301 Pathogenesis in Early Detection of Fumonisin Toxicosis in Swine, 1991-95
70-302 Experimental Hypertrophy of the Ram Testis, 1991-95
70-303 Biospecificity of Porcine Gonadotropins, 1995-98
70-305 Characterization of Putative Adhesion Genes From Pathogenic Fungus, 1996-97
70-306 A Minimally Invasive Technique For Drug Residues at Intramuscular, 1996-98
70-307 Investigation of Long-Term consequences of Neosporosis Outbreak In A Beef Herd , 1995-97
70-308 Abomasal Displacement in Dairy Cattle with Left Abomasal Displacement, 1996-98
70-309 Acute Feeding Studies in Rats to Assess the Efficacy & Safety of Crambe Meal, 1995
70-312 Characterization and Differentiation of Fowlpox Virus Strains, 1997-98
70-314 Biochemistry of Chorion Hardening in Mosquitoes, 1996
70-315 Bovine Respiratory Disease - Risk Factors, Pathogens, Diagnosis and Management, 1996-98
70-317 Effects of Phenylbutazone on Anion Transport by Equine Right Dorsal Colon In Vitro, 1997-98
70-319 Pseudorabies Virus Inhibition of bCell Function, 1996
70-320 Efficacy & Cost Effectiveness of Antibiotic Therapy for Clinical Mastitis, 1993-96
70-324 Cardiac & Circulatory Effects of Endotoxemia in the Calf (Constable), 1995
70-325 Effect of the Fumonisin on Pulmonary Clearance of Blood-Borne Bacteria, 1994-96
70-326 The Effect of Anterior Hypothalamic Lesions on the Onset of Puberty in, 1994-96
70-332 R Pathogenesis, Epizootiology and Control of Avian Respiratory Diseases, 1992-97
70-510 Model Rumen to Evaluate Response to System Changes and Added Microorganisms, 1993-95
70-802 Medicinal Uses of Coproducts From Crambe Meal (Wallig), 1991-97
70-808 Production of Lifelike, Full Size, Flexible Teaching Models of Food Animals, 1992-95
70-810 Comparative Toxicity of *Fusarium Proliferatum* Secondary Metabolites, 1995
70-811 Safety and Efficiency Studies with Crambe Meal (Heade, Wallig), 1994-95
70-812 In Vitro Assays for Toxins of *Fusarium Proliferatum* (Buck), 1994-95
70-910 Infection of Swine with *Borrelia Burgdorferi*, 1994-95

- 70-911 Distribution of Pulmonary Blood Flow in the Exercising Horse, 1994-95
- 70-912 Risk Factors for Transmission of Mosquito-Borne Diseases, 1994-97
- 70-913 Fumonisin - Induced Endothelial and Hemodynamic Changes in Porcine, 1995-98
- 70-914 Epidemiology of Porcine Reproductive and Respiratory Syndrome Virus, 1996-98
- 70-915 CI Dysfunction in Dairy Cattle, 1996-98
- 70-963 Colonization of Swine Small Intestines By Salmonella Typhimurium, 1993-94
- 70-963 Colonization of Swine Small Intestines By Salmonella Typhimurium, 1993-96
- 70-964 Cytokine Expression by Porcine T- Cell Subsets Defined by CD45R Isoform, 1993-96
- 70-989 Viral Research in Support of an Illinois and a National Pseudorabies Eradication, 1990-95

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- 50-305 The Role of Serine and Betaine in Methionine Biosynthesis, 1994-98
- 50-313 Genetics & Physiology of Solvent Producing Clostridia, 1992-95
- 50-315 Utilization of Soybean Meal/Soy Molasses in Polymers: Plywood Adhesives And Polyurethane Foams, 1995-97
- 50-316 Impact of Phytochemicals Associated with Soy Proteins in Lipid Metabolism, 1994-95
- 50-320 Isolation and Characterization of Carotenoproteins From Carrot Root, 1995-96
- 50-323 Structure and Function Studies of Milk Proteins Using Recombinant DNA, 1994-98
- 50-324 Analytical Supercritical Fluid Extraction of Volatile, 1994-97
- 50-328 Correlation Of Sensory And Other Measures Of Food Quality (Klein), 1991-95
- 50-337 Effect of PH and Display on Metmyoglobin Reducing Ability and Color Shelf, 1995-96
- 50-341 Water Mobility Measurements in Foods Using NMR and MRI Techniques, 1993-98
- 50-342 Stability and Characterization of Anthocyanins From Plants, 1994
- 50-344 Feasibility of Producing Value- Added Intermediate and New Food Products, 1991
- 50-346 Bioreactors for Fuels and Chemicals From Agriculture, 1994-98
- 50-349 Marketing and Delivery of Quality Cereals and Oil Seeds in Domestic and Foreign Markets, 1994-96
- 50-396 Chemical and Nutritional Changes in Fats During Heating, 1993-96
- 50-510 Listeria Monocytogenes Virulence (Martin), 1992-95
- 50-713 Role of Plasma Lipoproteins in Atherosclerosis (Continued) (Nishida), 1995-96
- 50-716 Expression of Genetically Altered Forms of Casein and Lactoferrin in Yeast, 1995-97
- 50-717 Toxin Production and Virulence in Clostridium Perfringens (Blaschek) Forestry, 1993-96
- 55-114 In-track Remedial & Alternative Tree Treatments, 1995
- 55-211 Continuing Assistance and Resource Education (CARE) for Illinois, 1991-95
- 55-215 Potential Use of Corn and its By-Products for Structural Composite, 1994-95
- 55-216 Illinois Furbearer Investigations – Illinois Badger Studies, 1994-95
- 55-217 Cooperative Furbearer Research – Red Fox Studies, 1995-96

- 55-218 Upland Wildlife Project, 1994-95
- 55-219 Step Into Forest Stewardship, 1994-95
- 55-221 Landowner Forest Stewardship Guides, 1994-95
- 55-222 Community Forestry in Southern IL (Brown, Stephanie), 1995-96
- 55-222 Forest Landowner Mailing List, 1990-95
- 55-350 Infection of Aceinorhizao Trees by Frankia : Sporulation & Competition, 1993-94
- 55-356 Rethinking the National Forest Planning Process: A Soft Systems Approach, 1993-95
- 55-406 Grassed Detection Buffer Strips for Reducing Agricultural MPS Pollution from Tile Drainage Systems, 1992-95
- 55-502 Biogeochemistry of Constructed Wetlands: Reducing Agricultural NPS Pollution, 1994-95
- 55-715 Spatial & Temporal Patterns of Biotic Exchanges of CO₂ Between the Atmosphere and Tropical Landscapes & Their Role in the Global Carbon Balance, 1992-95
- 55-826 Organic Perspectives of C-N-S & P Biogeochemistry in a Low Elevation Spruce Fir Ecosystem, 1991-95
- 55-829 Urban Forestry Awareness Program for Municipal Leadership Planners & Forestry Personnel, 1995
- 55-833 Forest Floor Alum and Calcium Chem Relationships with Acid Dep (David, Lawrence), 1992-97
- 55-835 Hardwoods From Recycled Newspaper, 1994-95
- 55-840 Stewardship Week Planning Kit-National Forests Throughout the US, 1995
- 55-842 Minimizing the Impacts of Ice Storms, 1994-95
- 55-844 Insect & Disease Control, Forest Insect Disease Management, Protection of Wood in Use, 1995
- 55-845 Integrated Pest Management/Plant Health Care Training Manual, 1993-95
- 55-847 Framework for Ecosystem Management: Use of Soft Systems Approaches, 1994
- 55-852 Participative & Adaptive Management of Public Forest, 1994-95
- 55-853 Sustainable Ecosystem - Based Mgt. Of Flood Plains Along the Mississippi River, 1998

Box 63:

Human Relations/Family Science

- 60-126 Childhood Aggression & Gender: A New Look at an Old Problem, 1994-95
- 60-131 Lowering Risk for Coronary Heart Disease & Cancer, 1993-95
- 60-133 High Soil Protein Products for Disease Risk Reduction (Klein), 1996
- 60-134 Use of Soybean Isoflavones in Prevention of Oxidation of Low Density, 1994-95
- 60-135 Effect of Light Alpha Tocopherol & Display on Frozen Storage Time on Color & Lipid Oxidation of Lean Pork, 1994-95
- 60-137 Supplemental Request for Lowering Risk of Coronary (Potter), 1995
- 60-139 Intestinal & Metabolic Responses of Neonatal Piglets to Infant Formulas Containing Intact or Hydrolyzed Proteins, 1993-95
- 60-140 The Role of Serine and Betaine in Homocysteine and Methionine Metabolism, 1995-96
- 60-141 Anabolic Effects of Ornithine and Ketoglutarate on Muscle Protein Turnover, 1994-95
- 60-142 Teen Parent Initiative, 1994-95

- 60-143 Training/Resources for Illinois DPA Teen Parent Initiative, 1994-95
- 60-144 Healthful Components of Fresh, Frozen, and Canned vegetables: Nutrients and Non-nutrients, 1995-96
- 60-145 Impact of Sodium Binding and Water Mobility as Measured by NMR on Taste Qualities of High Moisture Food Systems, 1995-96
- 60-203 Illinois Short-Rotation Plant Fibers as Raw Material for a New Technology, 1994
- 60-207 TCC/ARCC Program Management, 1994-95
- 60-304 Family Business: Interaction in Work & Family Spheres, 1995
- 60-306 Social/Information Processing Mechanisms in Relational & Overt Aggression, 1992-97
- 60-315 Improving Relationships Among Siblings: A Social Skills Training Model, 1991-95
- 60-326 Correlation of Sensory and Other Measures of Food Quality, 1993-94
- 60-331R Community Influences on Work-Family Relationships: Rural/Urban Comparison, 1994-95
- 60-336 Effect of pH Cooking Rate & Final Temperature on Color, Cook Loss, and Ultimate pH of Ground Beef, 1994-95
- 60-397R Child Care and Economic Well-Being of Mothers of Young Children, 1993-95
- 60-403 Social & Cultural Factors Affecting Sustainable Farming Systems & the Barriers to Adoption, 1994-95
- 60-404 Water Mobility and Image Analysis Measurements in Model Food Systems (Schmidt), 1993-96
- 60-405 Risk & Protective Processes in Male Youth Development, 1994-95
- 60-406 Administrative Assistant for ISACCN, 1994-95
- 60-407 Parenting & Pregnancy Experience Among Adolescent Males, 1994-95
- 60-408 National Survey of Adolescent Males: Follow Up and New Cohort, 1994-95
- 60-716 The Role of Discrimination on the Employment & Income Trends of Minorities, 1994-95
- 60-717 Dietary Ethanol and Initiation of DMBA Tumorigenesis, 1995-96
- 60-718 Insulin-Like Growth Factors in Neonatal Intestinal Development (Donovan Odle Hatch), 1994-97
- 60-719 Recovery from Growth Retardation Anabolic Responses, 1994-97

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- 65-117 Turfgrass Germination Evaluation Study, 1994-95
- 65-204 Casting the Net: Manufacturing, Competitiveness, and the Environmental, 1995
- 65-206 Forest Landowner Mailing List (Marty) IDOC, 1995-96
- 65-207 Wildlife Habitat Stamp Fund Education (Warner) IDENR, 1995-96
- 65-224 Effects of Livestock Facilities on Groundwater (Krapac) C - FAR 96-11, 1995-96
- 65-268 U of I, SENR & CCRC Food Waste Processing Pilot Facility, 1993-95
- 65-303 Biomass and Nitrogen Cycling in Sewage Sludge Amended Fields, 1995-98
- 65-305 Characterization and Management of Soil Water, 1994-98
- 65-308 Enhancing Floriculture Crops Resistance To Western Flower, 1993-94
- 65-313 Basis for Prolonged Diapause in Northern Corn Rootworm Eggs, 1995-96
- 65-317 The Use of Extracellular Enzyme Assays As Indicator of Nutrient Uptake in Agriculturally Impacted Streams, 1993-97
- 65-319 Characterization of Membrane Transport Processes Involved in Mineral Nutrient Transport in Plants, 1995-96
- 65-321 Influence of Vegetational Diversity on Insects Affecting Vegetable, 1993-97
- 65-322 (NC - 212) Ecology and Impact of Gypsy Moth Invasion, 1993-98
- 65-326 Trace Minerals in Illinois Surface Soils, 1995-96

- 65-327 Enhancing Disease Resistance in Grasses, 1991-97
- Agronomy/Crop Sciences
- 15-382 Selection of Construction of Soybean Plants Lacking Photo respiration, 1992-97
- 15-389 Herbicide Action in Plants and Absorption Rate of Decomposition of Herb in Soils, 1990-95
- 15-391 Forage Crop Genetics and Breeding to Improve Yield and Quality, 1992-97
- 15-398 (NC - 157) Crop and Ruminant Systems to Conserve Midwestern Unglaciaded, 1996-98

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- Agronomy/Crop Sciences
- 15-413 Specialty Corn Hybrids- RFLP and Marker Mapping of Genes Controlling, 1993-97
- 15-416 Gene Identification & Manipulation of the Anther Culture of Maize, 1993-94
- 15-417 The Clastogenic Potential of Five Herbicides Found in Illinois Groundwater, 1995
- 15-418 Use of Molecular Markers to Enhance Value of Corn Grain for Alcohol Production by Increasing Starch, 1995-96
- 15-419 Effect of Fertilizer Nitrogen on Accumulation and Readily Mineralizable, 1994-96
- 15-421 Effects of Soil Moisture and Microbial Activity on Bound Pesticide Residue, 1994-96
- 15-422 Gene Identification and Manipulation of the Anther Culture Responses, 1994-95
- 15-423 No-Till Practices for Efficient Northern United States
- 15-424 NAPIAP Biologic & Economic Assessment of Phenoxy Herbicide Use In the US, 1993-95
- 15-426 Characterization of the Molecular Genetic Control (RocheFord, Dudley) CPBR, 1995-96
- 15-511 Autoinducer-Dependent Expression Of Erwinia Stewartii (Von Bodman), 1995-97
- 15-518 Irrigation Control of Mycotoxin Contamination in Preharvest Corn (Simmons), 1995-96
- 15-521 Cytogenetics of the Genus Glycine: Broadening the Genetic Base, 1992-96
- 15-522 Surface Chemistry of Oxidized and Reduced Phyllosilicates (Stucki), 1994-95
- 15-523 Is Surface Associated Organic Matter the Biologically Active Function, 1994-95
- 15-524 Biochemical Characterization of Maize QTLs (RocheFord), 1994-96
- 15-526 Mechanism and Structure of Plant Plasma (Briskin), 1995-98
- 15-528 Molecular Analysis of the RPSZ disease (Bent), 1995-97
- 15-610 Water Flow and Herbicide Transport Through Macropores (Simmons), 1994-95
- 15-614 Ped Coating Influence on Pesticide Transport (Banwart, Hassett), 1994-95
- 15-615 Spatial and Temporal Scale Dependence of Transport Process in the Valdose, 1992-95
- 15-616 Water Flow and Herbicide Transport Into and Within Wormhole (Boast), 1994-95
- 15-619 Studies to Reduce the Aflatoxin Problem in Corn (Widholm), 1997-98
- 15-705 Genetic Risk Factors For Hyperhomocysteinemia, 1995-98
- 15-730 Mechanism and Structure of the Plant Plasma Membrane CA₂+ATPASE, 1991-97
- 15-801 Evaluation of Tropical Accessions As A Sources of Genes To Improve A Corn,

- 1997-98
- 15-803 Crop-Weed Competition: A Generic Computer Model for Determining How to Control Weeds, 1996-98
 - 15-822 Illinois River Sands Water Quality (Simmons) USDA/SCS, 1994
 - 15-827 Conduct of National Oat Germplasm Enhancement at the University of Illinois, 1996
 - 15-828 Management and Evaluation of the USDA Perennial Glycine Germplasm, 1992-97
 - 15-829 Cooperative Soybean Germplasm Research (Heichel), 1996
 - 15-830 Assessing the Nitrogen Status of Maize Using Chlorophyll Meter Technology, 1995
 - 15-831 Research Support Agreement #25 (Portis), 1997-98
 - 15-833 Plant Exploration in Western Australia to Collect Wild Perennial Glycine, 1997
 - 15-834 Surface and Membrane Properties of Oxidized (Stucki), 1995-96
 - 15-835 Evaluation of Resistance to Phytophthora Rot (Nickell) USDA/ARS, 1997
 - 15-839 Regulation of Photosynthetic Carbon (Briskin) # 58-3611-5-177, 1995-96
 - 15-850 Illinois Statewide Survey For Presence Of Karnal Bunt In Wheat, 1996

Box 65:

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- 35-112 Effects of Feeding Tallow to Dairy Cows During the Dry Period on Liver, 1993-95
- 35-113 Prediction Error Variance and Restricted Maximum Estimation, 1994-95
- 35-120 Effect of Erythromycin Thiocyanate on the Growth Performance and Carcass, 1996
- 35-123 Ultrasound Body Condition Measurements for Automated Dairy Management, 1993-96
- 35-124 Performance of Lactating Dairy Cows Fed Rumen Protected Methionine, 1994-95
- 35-126 Evaluation of Meat and Bone Meal as a Source of Amino Acids Disappearing, 1994-96
- 35-127 Continuous Fermentation of Corn Starch by Hyperamylolytic Strains, 1995
- 35-127 Continuous Fermentation of Corn Starch by Hyperamylolytic Strains of Clostridium Acetobutylicum for Enhanced Butanol Production, 1995
- 35-128 Evaluation of Topcross High - Oil Corn Fed as a Silage or Grain to Dairy, 1994-96
- 35-129 Growth Performance Response of Weanling Pigs (Easter), 1994-95
- 35-130 Amino Acid Utilization by Porcine Mammary Tissue (Hurley), 1995-96
- 35-131 Palatability Attributes of Normal, PSE and DFD Pork Pumped With a Marinade, 1995-96
- 35-132 Digestibility of Various Constituents in Normal and High - Oil Corn, 1995-96
- 35-196 Prediction of Swine Growth Potential Using Serum Levels of an Insulin - Like, 1995
- 35-305 Development of a Model HACCP Program for Small Meat Processing, 1996-97
- 35-306 Incidence, Cause, and Economic Impact of Pork Quality (SRI), 1996-98
- 35-308 Genetic Improvement of Dairy Cattle Using Molecular Markers, 1994-95
- 35-310 Autocrine Regulation of Myoblast Proliferation by the Insulin-like Growth Factors, 1992-95
- 35-311 Manipulation of the Intramuscular Fat Content of Pork and Consequent Effect, 1993-97

- 35-314 A Effects of Work and Alkalinizing Agents on Blood Gates, 1995-97
 35-315 Bioactive Peptides in Mammary Secretions, 1992-98
 35-317 Characterization of Inherited Metabolic Disorders in Cattle, 1992-98
 35-318 Mapping the Pig Genome (NC - 210), 1992-93
 35-319 Cytokines and Sickness in Pigs, 1993-97
 35-320 Optimizing Utilization of Whole Soybean by Ruminants: Effect of Heat, 1993-97
 35-321 Bioavailability of Nutrients and Drugs as Affected by Other Dietary, 1993-98
 35-324 Proliferation and Differentiation of the Ovarian Follicle of the Chicken, 1995-96
 35-325 Effects of Dietary Cation-Anion Balance on Acid-Base Status & Parathyroid Hormone in Horses, 1993-94
 35-326 National Animal Genome Research, 1998-93
 35-329 National Animal Genome Research Project (NRSP - 8), 1996-98
 35-330 Skeletal Muscle - Specific Control of the Porcine IGF1 - 5 Gene, 1995-98
 35-334 Equine Uterine- Embryonic Interaction During Maternal Recognition, 1994-95
 35-335 Molecular and Species Specificity of Fertilization, 1994-97
 35-338 Animal Systems Technology for Improved Performance and Food Safety, 1997-98
 35-339R Oocyte Maturation Fertilization & Development, 1990-95
 35-342 Establishing Limiting Metabolites for Ruminants, 1992-97
 35-345 Marker Assisted Selection for Genetic Improvement of Livestock, 1993-97
 35-352 Factors Affecting Metabolism of Lipids by Liver and Other Tissues, 1994-98
 35-354 Resistance to Mastitis in Dairy Cattle, 1994-95
 35-360 Modeling Responses of Growing Pigs, 1990-95
 35-360 Modeling Responses Of Growing Pigs (Easter), 1998
 35-363 Amino Acid Supplementation of Molt Diets & Carbonated Drinking Water, 1993-94
 35-367 Estimation of Genetic Parameters, 1993-98
 35-374 Protein Quality and Metabolizable Energy Assessment of Animal Meat, 1993-94
 35-378 Regulation of the IGF Gene Expression in Adipose Tissue and Muscle, 1989-94
 35-378 Regulation Of IGF Gene Expression Adipose Tissue And Muscle (Novakofski), 1998
 35-379 Lipid Utilization by National Piglets, 1994-95
 35-381 Ruminal & Liver Metabolism of Phenolic Compounds by Ruminants, 1990-95
 35-381 Ruminal And Liver Metabolism Of Phenolic Compounds (Fahey), 1998
 35-385R Responses of Domestic Animals to the Alleviation of Controlled Stressors, 1993-94
 35-389 Molecular Analysis of Functional Domains in Cloned Cellulases from Ruminococcus, 1993-94
 35-389 Molecular Analysis Of Functional Domains In Cloned (White), 1990-96

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- 35-397 Enhancing Feed Consumption by Dairy Cattle in Early Lactation, 1994-95
 35-414 Mod of the TNF Alfa Gene in Swine Embryonic Stem Cells via Homologous Recmbtn (Wheeler) BRCD
 35-524 Enzymatic and Genetic Analysis of Ruminococcus Cellulases (White), 1994-95
 35-528 Host Mechanisms of Resistance and Susceptibility to Bovine Leukemia Virus, 1994-95
 35-531 Biochemistry and Genetics Enzymes of Ammonia Assimilation

- (Mackie), 1995-98
- 35-533 Lactoferrin Synthesis in the Bovine Mammary Gland (Hurley), 1994-98
- 35-534 International Symposium on Rumen Microbiology (Mackie, White), 1995
- 35-535 Methods to Map QTL by Pedigree Analysis (Fernando, Misztal), 1994-97
- 35-536 Towards a Utility Linkage Map of the Bovine Genome (Lewin, Day), 1994-97
- 35-537 Alteration of the Swine Genome Using Swine Embryonic (Wheeler), 1995-98
- 35-541 Allerton II: Genetic Analysis of Economically Important Traits in Livestock, 1996-97
- 35-549 Neurotransmitter Release in Hypothalamus, 1997-98
- 35-717 Regulation of Ovulation in the Domestic Hen (Bahr, Jackson), 1995-96
- 35-718 Beef Carcass Evaluation and Identification: Development of an Ultrasound, 1993-94
- 35-719 International Symposium on Rumen Microbiology (Mackie) DOE, 1995-96
- 35-721 Diet on Metabolism of Lab Rats (Harrison), 1994-95
- 35-903 Mucousal Delivery of Antigenic Epitopes By Lactobacillus, 1993-95
- 35-904 Impact of Hoof Health on Longevity, 1994-95
- 35-905 Autocrine Factor Controlling Lactoferrin Synthesis in Vivo, 1994-95
- 35-905 Autocrine Factor Controlling Lactoferrin Synthesis In Vivo (Hurley), 1999
- 35-906 Sperm Galactosyltransferase as an Indicator of Fertility, 1994-97
- 35-907 Does Prepartum Dietary Fat or Nutrient Restriction Prevent, 1995-98
- 35-908 A Model to Assess Infertility and Embryo Mortality in Dairy Cattle, 1995-98
- 35-911 Molecular and Cellular Characterization of the Pig CD1 Family, 1996-98
- 35-912 Over expression of IGF- 1 in Milk to Promote Neonatal Intestinal Health, 1997
- 35-913 A Model for Embryo Mortality in Poultry, 1997-98
- 35-969 Physiologic Mechanisms in the Neuro- Immune Axis of Pigs: Role of TNF, 1995-96
- Human and Community Development
- 45-142 Teen Parent Initiative, 1994-95
- 45-208 Child Care Resource and Referral, 1995-96
- 45-209 TCC/IV - A At - Risk Child Care Program, 1995-96
- 45-302 Parents as Teachers Project, 1994-97
- 45-303 The Influence of Non-parental Adults on Adolescent Competence, 1996-98
- 45-305 Activist And Mainstream Press Coverage Of The Animal (Reisner), 1998
- 45-307 Farmer Assessment of On - Farm Research Validity, 1996
- 45-308 Effective Use of Experiments as a Teaching/Learning Strategy, 1995-98
- 45-309 School - Based Parenting Programs for Fathers of At - Risk, 1994-98
- 45-310 Youth Development, Health, and Gender, 1995-98
- 45-312 Parenting and Friendship Feature Effects on Peer Influence During, 1995-96
- 45-314 Workforce Development, 1996-98
- 45-316 The Effect of Provider and Family Characteristics on Child Care (Todd), 1998
- 45-317 Gender Differences in Science: An Investigation of Antecedents, 1994-96
- 45-327 The Effects of the Flood of 1993 on Young Adolescents and Their Families, 1994-96
- 45-334 Emotion and Social Information Processing Mechanisms in Children's, 1995
- 45-360 Sibling Relationship Quality and Economic Pressure in the Family, 1995-98
- 45-378 Tourism Enterprises Development in Rural Illinois, 1994-95
- 45-602 Building Partnerships in Rural Communities, 1997-98
- 45-705 Parent Emotion and Teen Well Being in Single Parent Families (Larson), 1997-98
- 45-805 Small Community Consequences of Midwestern (Salamon) USDA/ERS, 1995-97
- 45-848 Illinois Rural Development Council (van Es, Sofranko), 1993-97

Box 67:

Food Science

- 50-000 Promotion of Soybean Utilization in Caribbean Basin (Weingartner), 1994
- 50-146 Production of High Quality Edible Soy Oil From an Extrusion, 1991-94
- 50-148 Utilization of Soybean Meal/Soy Molasses in Polyurethane Foams, 1992-94
- 50-148 Technical Advisory Support From The University Of Illinois At Urbana-Champaign
- 50-157 Nonfouling Ceramic Membranes for Treatment of Fuel Ethanol Stillage, 1994-95
- 50-158 Potassium Acetate From Corn, 1994-95
- 50-159 Analysis of Heated Proprietary Mixtures of FA EPGs and TGs (Artz, Dunn), 1993-95
- 50-163 Microfiltration of Saccharification Liquor (Cheryan), 1994-96
- 50-165 Synthesis, Isolation and Characterization of Mono - and Di - Glycerides, 1993-95
- 50-166 Gene Expression in Rat Brain During Appetite Regulation and Zinc, 1994-95
- 50-167 Effect of Soy Protein on Bone in Ovarian Hormone (Hasler), 1994-96
- 50-168 Identification of Microbial Host & Expression System (Chassy), 1994-96
- 50-169 Characterization of the Relative Stability (Perkins) USB/ASA, 1995-96
- 50-171 Promotion of Soybean Utilization in Caribbean Basin (Weingartner), 1995
- 50-172 Reducing the Cost of Ethanol Production (Cheryan) Great Lakes
- 50-173 Optimum Protein Extraction Process (Cheryan) Haarann, Reimer Corporation, 1995
- 50-174 Commercialization of Acetate Technology (Cheryan), 1995
- 50-303 Sodium Lactate/Sodium Tripolyphosphate Effects on Pork Patties, 1996-97

Agricultural Engineering

- 10-504 Modeling Agriculture Practices for Water Quality (Mitchell, Hirschi), 1995-98
- 10-509 Alkali Preprocessing of Corn for Value-Added Products (Eckhoff), 1994-97
- 10-510 Noninvasive MRI Temperature Mapping in Foods Undergoing Thermal, 1992-97
- 10-511 In-Situ Monitoring of Heat Damaged Corn for Wet Milling (Paulsen, Liao), 1994-97
- 10-715 Application of Pollution Prevention Technology (Christianson)
- 10-811 Machine Vision for Inspection of Corn & Soybean Kernel Quality, 1994
- 10-815 Performance and Emission of Vegetable and Hybrid Fuels (Goering), 1992-97
- 10-816 Variable Rate Crop Management Systems (Goering), 1998
- 10-818 Development of Measurement Techniques for Evaluating Ventilation System Performance & Biological Contamination, 1994-95
- 10-819 Transferring Technologies to USDA Client Groups (Christianson, Aherin), 1998
- 10-820 Evaluation of Grade Standards (Paulsen, Eckhoff), 1998
- 10-821 Intermittent Milling of Steeped Corn Kernels (Eckhoff), 1997

Agricultural Entomology

- 12-107 Evaluation of Biological Controlled Programs for Suppression of European Corn Borer in Midwestern Seed Corn Production, 1993-94
- 12-305 Biology of Migratory Aphids, 1990-91
- 12-307 Identification of Natural Enemies of Insect Pests & Native Pollinators, 1992-95
- 12-342R Development of Entomopathogens as Control Agents for Insect Pests, 1990-95
- 12-354 Face Flies, 1993-94
- 12-402 Russian Wheat Aphid Dispersal Dynamics, 1994-95
- 12-403 Community Diversity & Hydro-geology of Illinois Karst Springs, 1994-96
- 12-508 The Ascent Phase of Aphid Migration & Dispersal, 1994-95
- 12-513 Comparing Co-evolved & Novel Hosts Parasite Interactions, 1994-95

- 12-704 Impact of Temperature on the Epidemiology of Soybean Dwarf Virus in Japan, 1992-95
- 12-705 Comparative RDNA Analysis of Aids Related Microsporadia, 1994-97
- 12-805 Natl. Plant Pest Survey and Protection Program, 1995
- 12-823 Model Based Predictions of Reductions in Non-target Lepidoptera caused by Applications of Bacillus Thuringiensis & Defoliation by Gypsy Moths, 1995
- 12-826 Encapsulation of Microbale Control Agents, 1994-95

Agronomy/Crop Science

- 15-104 Coordination of Region Soybean Cyst Nematode Tests Yield, 1994-96
- 15-105 Placing Molecule, Biochemical, Path and Morph Markers of the Soy Gene Map (Hymowitz)
- 15-117 Breeding for Disease Resistance in Corn (White), 1987-1996
- 15-124 Evaluating Sweet Corn Hybrids for Disease Reactions and Improving Sweet, 1993-96
- 15-151 Fertilization of Corn Grown in Strip Tilled Rows, 1994-95
- 15-152 Evaluation of the Corn Synthetic Pool A Pioneer Hi-Bred for Nitrogen Use, 1995-96
- 15-154 Agronomy Use of Molecular Markers to Enhance Value of Corn Grain (Dudley), 1993-95

Box 68:

Agronomy/Crop Science

- 15-160 Use of Foundry Greensand to Improve the Physical Properties, 1995-96
- 15-166 Identification of Ethylene Insensitive and Disease Tolerant Soybean Lines, 1995-96
- 15-167 Evaluation of Keton Seed Firmer, 1995
- 15-177 Improved Soybean Seed Composition, 1990-94
- 15-180 Genetics of the Bowman-Birk Inhibitor in Soybeans (Hymowitz), 1991-94
- 15-185 Soybean Improvement by Gene Transfer (Widholm), 1992-95
- 15-186 Strategies for Reducing the Development of Herbicide Resistant Weeds, 1992-95
- 15-189 Evaluation of Tillage Systems on a State - Wide Basis to Maximize, 1992-95
- 15-192 Breeding for Small Seeded Soybeans, 1991-95
- 15-194 A New Method For Gene Transfer in Soybean (Widholm), 1995
- 15-196 Creation of High Protein Adapted Cultivars by Genetic Engineering (Vodkin), 1993-95
- 15-253 The Effect of Four P & K Rates on the Drawdown and Buildup of Soil (Mainz), 1990-94
- 15-258 Impact of Live Ash Disposal on Plant Development, 1991-95
- 15-259 Twice - Monthly Field Soil Sampling for Soil Testing to Evaluate (Peck), 1994-96
- 15-264 Evaluation of Minolta Spa-520 Chlorophyll Meter for On-Farm Management of Corn in Illinois, 1994-95
- 15-266 Accumulation & Potential Release of Nitrogen in Illinois Soils, 1993-94
- 15-267 Determination of the Effect of Starter Fertilizer on O - Till in Illinois (Hoeft), 1994-96
- 15-270 Sources and Forms of Nitrogen for Optimum Corn Production, 1994-96
- 15-278 Phosphorus and Potassium Fertilization of Corn Grown in Residue-Free Rows, 1995-96
- 15-285 Computerized Soil Fertility Recommendation Program, 1995-96

- 15-301 Nutrient Management to Sustain Productivity While Protecting Surface & Ground Water Quality, 1993-94
- 15-302 Biological & Ecological Basis for a Weed Management Model to Reduce Herbicide Use in Corn, 1990-95
- 15-310 Management of Fall - Seeded Hairy Vetch for No - Till Corn Production, 1993-98
- 15-311 Influence of Weather Parameters on Corn Yields and Composition of Soil, 1994-98
- 15-314 A Systems Approach in Evaluating Corn Hybrids for Utilization in Specific, 1996-97
- 15-315 Biological and Ecophysiological Basis for Weed Management Decision, 1996-98
- 15-317 Control of Vegetable Diseases, 1993-98
- 15-319 Viruses Causing Diseases of Corn and Soybeans, 1993-98
- 15-329 Marketing and Delivery of Quality Cereals and Oilseeds, 1994-98
- 15-330 Characterization of Dietary Antioxidant and Anticarcinogenic, 1996-97
- 15-347 Seed- and Seedborne Pathogens of Soybeans and Their Control, 1992-97
- 15-354 The Use of Genic Male Sterility in Commercial Hybrid Corn Production, 1990-95
- 15-360 (W - 147) Managing Plant - Microbe Interactions In Soil to Promote Sustainable Agriculture, 1995-96
- 15-364 Weed Control Systems Adapted to the Crops, Soils and Weeds of Illinois, 1990-95
- 15-364 Weed Control Systems Adapted to the Crops, Soils and Weeds of Illinois, 1995-98
- 15-367R Crop, Soil and Pest Management: Off-Campus Field Activities, 1991-96
- 15-371 Molecular Basis Plant - Bacteria Interactions, 1995-98
- 15-374R Relationship Between Soil NO₃ Level and Nitrogen Needed for Optimum Crop Production, 1994-95

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- 01-101 Communications and Marketing for NSRL, 1993-94
- 01-104 Communications & Marketing for NSRL (Sinclair), 1995-97
- 01-106 Soybean Research Database Proposal Board Project 52007, 1995
- 01-107 Stratsoy Communications Outreach (Thompson), 1995-96
- 01-201 High Isostatic Pressure Inactivation of Selected Food, 1997
- 01-402 Science and Education for Agriculture Sustainability: A Model Farming, 1993-97

Box 69:

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- 01-501 Virtual Center for Rural Community Development Planning Grant USDA/97, 1997-98
- 01-605 Assessment Research and Data Analysis (Jones, Pike), 1991-93
- 01-607 Rural Environmental Research – Illinois – Folder 4, 1994
- 01-607 Rural Environmental Research – Research Illinois, 1995-97
- 01-690 Western IL University/Rural Environmental Research, IL, 1995

Agricultural Communications

- 04-304 Media Images of Agriculture & Agricultural Movements, 1995
- 04-305 Activist & Mainstream Press Coverage of Animal Rights Movement, 1992
- 04-306 Science Teacher, Counselor, & Student Attitudes Toward Agriculture, 1993-94
- Agricultural Economics – General

- 04-402 AG SAT/ESCOP Research Symposia, 1995-96
- Agricultural Economics
- 05-130 An Assessment of the Economic & Environmental Aspects of the Corn Industry: A Focus on Illinois & the Future, 1992-94
- 05-226 AG Economics Identifying the Nature and Quality of Tourism (Van Eg) IL Bureau of Tourism, 1994-95
- 05-303 Expanding Global Markets for Illinois and United States Pork Products, 1997-98
- 05-313 Regulatory, Efficiency and Management Issues Affecting Rural Financial, 1991-97
- 05-319 Environmental Marketing Claims: Industry Practices and Consumer, 1994-96
- 05-323 Divorce Laws, Marital Stability and the Work Decisions of Women, 1994-95
- 05-331 Decision Models for Farm Families and Policy Makers, 1992-97
- 05-332 Ecosystem Management for Agriculture Watersheds, 1995-98
- 05-338 Economic and Environmental Implications of Expiring Conservation Reserve, 1994-98
- 05-350 Performance of the United States Grain Marketing System, 1987-96
- 05-360 Analysis of the Political Economy of Agricultural & Food Policy in the 1990's, 1993-97
- 05-367 Direct Marketing in an International Context, 1991-95
- 05-373 Gender Differences in Perceptions of the Importance of Dress to the Self, 1994-97
- 05-376R Policy Implications for Farm Household & Rural Community Responses to Economic Changes, 1990-95
- 05-389 Gender - Role Attitudes and Family Roles: Congruence of Attitudes, 1991-95
- 05-391 Illinois World Food and Sustainable Agriculture Program, 1996-98
- 05-402 Improving the Extension System Ability to Respond to Natural Disaster, 1995-96
- 05-414 The Impact of Dynamics and Uncertainty on Strategies to Reduce Agricultural, 1994-96
- 05-416 Cooperation or Coercion? Effect of Mandates and Regulations on Small, 1994-95
- 05-416 A*DEC Symposium on Plant Biotechnology Issues, 1996
- 05-502 Optimal Design of Export Credit Enhancement to Increase United States, 1994-98
- 05-503 Market Incentives for Abatement of Nonpoint Source Pollution in Surface, 1994-97
- 05-504 A Structural Approach to Measuring Impacts of Rural Development Policies, 1995-96
- 05-506 Agricultural Flood plain Management After the 1993 Flood (Hornbaker), 1995-97
- 05-515 Meeting the Soybean Quality Challenge from Brazil (Hill), 1994-96
- 05-718 Center for Farm and Rural Business Finance (Berry), 1994-95
- 05-720 Privatizing Farms and Agribusiness Firms in the Former Soviet Union, 1993-96

Box 70:

- Agricultural Economics
- 05-725 Future and Options Trading Simulator for the World Wide Web, 1996-97
- 05-846 Assessing the Relationship Between Barget Rails Rates for U.S. Grain, 1993-95
- 05-849 Identifying the Environmental Gains in Mexican Agriculture from NAFTA, 1993
- 05-850 Efficiency of Financial Markets: An Analysis of Interest Rate Differences, 1995
- 05-851 Commodity Exchange Program (Hill), 1994-97
- 05-852 Identifying the Trade and Environment Issues for NAFTA, GATT and the

1995 Farm Bill, 1994-95

05-853 Economic and Environmental Costs and Benefits (Hornbaker), 1995-96

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10-141 Hybrid Milling Technology for Increasing Co-product Value & Decreasing Cost of Ethanol Production, 1993-95

10-142 Effects of Pen Partitions & feeders on Air Velocities & Air Quality, 1993-95

10-144 Minimum Ventilation, Air Flow Rates with VAV Systems, 1993-95

10-149 Frito-Lay Sidney Project, 1994-95

10-150 Fatality Risk from Livestock, 1995-96

10-151 Illinois Agriculture Safety & Health Coalition Network, 1994-95

10-152 Noninvasive Temperature Mapping in Foods, 1995-96

10-205 Evaluation of Hydrated Ethanol as a Fuel for A Direct Injection, 1996

10-224 Mobile Photovoltaic Systems, 1994-95

10-301 The Impact of Agricultural Systems on Surface and Ground Water, 1991-97

10-303 Machine Vision for Protozoa Detection on Microscope Slides, 1996-97

10-313 Sediment Yield And Water Quality From Agricultural Watersheds (Hirschi), 1998

10-320 Reconstruction of Agricultural Machinery Related Accidents, 1992-97

10-321 Ventilation of Swine and Greenhouse Facilities, 1991-96

10-322 Illinois Pork Industry Revitalization, 1995-97

10-352 Reduce Odor Production and Emissions From Swine (Riskowski), 1996-97

10-353 Microscopic NMR Imaging: Measurements During Drying at Food and Grain, 1993-94

10-359R Drying, Storing, and Milling of Cereal Grains, 1991-96

10-372 Improved Materials and Structural Designs for Agricultural Buildings, 1992-97

10-378 Management of Animal Wastes in Support of Sustainable Agric and Quality Water Resources, 1990-95

10-378 Management Of Animal Waste In Support Of Sustainable Agriculture (Day), 1998

10-407 Measurement of Particle Temperatures During Aseptic Processing (Litchfield), 1995-96

Agricultural Administration

01-000 Agriculture Experiment Station General

IL AGR Experiment Station Administration

1977-1978 RRF Research Original Copies

1978-1979 Budget Original Copies

01-326 Effect of Crop Rotation, Tillage and Pest Management on Grain Yield

01-326 Effect of Crop Rotation, Tillage and Pest Management 1978-1982

01-350 Intergenerational Relationships in Farm Families

01-368 Pesticide Assessment Research and Data Analysis

01-401 Developing an Illinois Biomass Network (Holt)

01-601 Participatory Research and Educational Network for Sustainable Agriculture

01-607 Rural Environment Research (Warner) WIU Subcontract

01-607 Rural Environment Research - Illinois - Folder 1

01-607 Rural Environment Research - Illinois - Folder 2

01-607 Rural Environment Research - Illinois - Folder 3

01-690 Western Illinois University - Rural Environment Research Illinois