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   Research Trust Funds, Agricultural Economics, 1936-55
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   Plant Pathology, 1951-56
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   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
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   Plant Pathology, 1957-
Memorandum of Agreement, Livestock and Poultry Parasites, 1954-56
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   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-
   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
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  USDA Plant Diseases, 1947
  Seed Practices, 1947-51
  USDA, Research and Development liaison, 1951
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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

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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
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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), Trigalium, 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

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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

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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

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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

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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

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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

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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 Sarantos
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

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NC-2, Dairy Cattle Breeding

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NC-7, New Plants
NC-20, Corn Borers
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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
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NC-105 (X87), Corn Borers
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NCR-1, Swine Breeding
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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
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NCR-63, Mycotoxins
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NCR-82, Stock Scion Relationship
NCR-83, Materials Handling Systems
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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
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NCA-17, Communications
NCA-18, Products Utilization
NCA-19, Natural Resources
NCA-20, Agriclimatology
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NCA-59, Soil Organic Matter
NCS-1, Seed Practices
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NCRS-3, Community & Human Resources
NE-48, Soil-Plant-Water Relationships
NCM-45, Potatoes
NCM-46, Poultry

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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

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  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
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  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
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05-380, Commercial Apple Production
05-382, Structure of Soybean Market
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05-393, Incentives and Human Resource Development
05-398, Community Involvement of Rural Poor

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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 CO$_2$ 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
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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 K 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
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35-304, Milk constituent formation
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35-317, Metabolism of Sperm
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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
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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
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35-356, The Structure and Function of Bacterial Membranes
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50-300, Growth of Psychrophilic Bacteria
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50-348, Fractionation and Characterization of Protein in the Fat-Globule Membrane
50-349, Energy Kinetics in Freeze-Drying
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55-309, Market Potential for Wood Residues in Illinois
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55-323, Effects of Recreation on Forest Soils and Vegetation in Illinois
55-331, Preservative Treatment of Wood Products
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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
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60-364, Effect of Aging upon Income and Expenditure in Illinois Farm Families
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65-343, Pepper Breeding
65-345, Physiology of Maturation of Tomatoes
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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
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65-368, Market Grades for Cut Roses

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Box 19:

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05-319, Cost Accounting and Economic Analysis of Selected Coop Experiments and Farm Systems at Dixon Springs Agriculture Experiment Center, 1976-79
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
05-340, US Livestock Sector Prices: Analysis, Forecasting and Development of Sales Program in the face of uncertainty, 1976-80
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
05-387R (NC-117), Use of Livestock Futures Market Contract and Their Influence on Firms and Markets, 1972-77
05-397, The Impact of Industrialization on a Rural-Ag Social System, 1966-77

Agricultural Engineering
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
10-375 (NC-93), Animal Waste Systems for the 1980s, 1963-80

Agronomy (Competitive)
15-312, Mitochondrial Configuration and Efficiency. Relationship to Plant Energy Statistics and Yield, 1976-79

Entomology
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 or 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
12-330, 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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15-315 (PL-89-701-15-29), Symbiotic N₂ Fixation in Soybeans, 1977-80
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
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15-357R (NC-109), Relating Soil and Landscape Characteristics to Land Use, 1971-82
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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
15-373, 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

Animal Science
20-301, Reestablishment of Ovarian Cycles in PostPartum Cows, 1978-82
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20-309, Tests for Identifying Highly Fertile Animals, 1975-82
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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
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20-381R (Competitive), Photoreception and Biological Rhythms, 1973-78

Dairy Science
35-321, Endocrine Factors in Diary Cattle Performance, 1957-79
35-335, Changes in Rumen and Tissue Metabolism Associated with Low-Milk Fat Syndrome, 1967-82
35-345, Amino Acid Nutrition of the Pre-Ruminant Calf, 1974-79
35-346, Feeding and Management Effects on Diary 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 Pyrimidin Metabolism in the Bovine Mammary Gland, 1975-82
35-352 (X516-15-109), Themophilic Methanogenesis from Cattle Wastes, 1975-79
35-373, Automation in Feeding Dairy Cattle, 1958-80

Food Science
50-302, Effect of Acidification on Food Pathogens, 1973-80
50-303, Effects of Retinoic Acid upon Serum and Liver Cholesterol in Hypercholesterolemic, 1975-78
50-304, Ultrastructure of Foods and Food Ingredients, 1978-82
50-310 (PL 89-106), 616-15-172, Mineral Bioavailability, Functionality, and Organopliptic Prop..., 1976-80
50-335, The Interrelationship Between Bound Water and Microbial Stress in Food, 1978-
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, Germinial and Heat Resistance Characteristics, 1955-79
50-390, Studies on Rapid and Economical Detection of Drug Residues in..., 1974-77
50-398, Micro Constitutes in Milk and their Influence on Milk Properties, 1974-80

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55-301, Properties of Embossed and Molded Hardboards, 1975-78
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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 into 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
55-353, 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
55-383, Disposal of Sewage Sludge in Forest Plantations, 1973-79
55-0401, Reforestation and Plantation Management in Southern Illinois, 1952-71
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HR and FS (NC-124)
60-301, A Life Span Analysis of Rural Children Mental and Social Development, 1973-82
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60-303, Dimensions of Preschool Children's Food Preferences, 1976-79
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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
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  60-332, Iron Nutrition and the Feeding of Infants, 1974-79
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  60-334 (was 50-334), Dietary factors in the Etiology of Osteoporosis, 1974-77
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  60-335, Infant Feeding Practices, Renal Solute Load and Plasma Osmolality, 1976-79
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  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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  60-389, Effect of Blend Level, Fabric Geometry and Fabric Finish on Fabric, 1976-82
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  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
  65-352, 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
Plant Pathology
  68-323, Detection of Seed-Borne Soybean Viruses by Serological Tests, 1976-78
  68-340, Southern Leaf Blight of Corn Caused by Helminthosporium Maydis, 1975
  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
Veterinary Medicine
70-302, Control of Multiserotypes of Leptospirosis in Cattle and Swine with a ..., 1964-79
70-305, Development of Cell Lines for Propagation of TGE Virus of Pigs, 1976-78

Box 22:

Veterinary Research (NC-127)
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

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

Veterinary Research
70-319, Eperythrozoonsis of Swine Development of a Diagnostic Test, 1970-81

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

Veterinary Research
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
70-350, Mastitis Agalactia Metritis (Man) Syndrome in Illinois Gilts and Sows, 1962-79
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
70-603, Celliform Endotoxins in MMA Sows, 1980-83
70-963, Mechanisms of Immunosuppression in Murine Prietozoan and Helminthic Infections, 1979-82
70-964, The Use of Surgical Models and the Influence of Sex of Swine, Etc., 1980
70-965, Disposition of Antibiotics in the Genital Tract of Female Cattle and Swine, 1979-82
70-969, Immunotherapy for Bovine Ocular Squamous Carcinome, 1981-82
70-970, Infertility Associated with Testicular Hypoplasia in Bulls, 1979-82

Cooperative Agreements
12-17-03-8-1046, Economic Research Service, 1974-77
12-17-06-8-997, Economic Research Service, 1974-75
12-17-06-8-919, Economic Research Service, 1974-75

Agricultural Economics
12-17-03-8-749, Classification and Analysis of Farm Real Estate, Seitz, 1973-75
12-17-05-8-1329-X, USDA/ERS Agricultural Economics, 1975
12-17-05-8-1604-X, Agricultural Economics USDA/ECS, Tokayana & Rojko, 1976-77
12-17-03-8-1109-X, Economic Research Service, 1974-75
12-17-03-8-1452-X, R. F. G. Spitze, 1974-75

Agronomy
177-15-04, Corn Blight (USDA), 1971-77
12-14-3001-221, Study Effects of Rotating Crops and Herbicides on Ecological
Changes in Weed Populations, 1973-77
PL-89-106 684-15-17(x 15-331), Reclamation of Surface-Mind Land, 1976-80
12-14-100-9977 (34), Mechanics of Genic. Blight of Corn Project 68, 1972-77 (2 folders)
Research Program for Improving Calibr. of Electronic Moisture MEters for Corn, 1981
Ag. Non-Point Pollution Policies, 1975
12-17-03-8-1659, ERS, 1976-77
12-17-03-8-2075X, U.S. Corn. Ind., 1977-78
12-17-03-8-2122, Hinton, Crom, Van Arsdall, 1977
12-17-03-8-2172, Padberg, Crom, Nelson, 1977-81
12-17-8-2038-X, Yield and Price Variability on Illinois Farms, 1977
12-36-A4003, Comparative Analysis of Grain Quality at Shipping and Receiving Points, 1978-79
12-14-3001-599, Quantum efficiency of soybean photosynthesis, 1977-82
616-15-60, Increasing and Maintaining Germ Plasma in Maize through Crosses and Plyplodization, 1976-81
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
12 Federal Land Banks and Ag. Econ. 1975-78, 1975
Illinois Department of Agricultural and Ag. Econ., "Development of Grain Quality Standards, 1973-77
12-17-05-8-1644-X, Projections of International Trade in Agricultural Products, 1980
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
Legal and Regulatory Environment of Illinois AGriculture Access 9000008 Project #5-202, 1981
Structure of the Illinois Food Economy Access 9000039 Project #5-203

Agricultural Engineering
Lake Paradise, 1980-81
47-15-10-342, Improved Calibration of Moisture Meters for High Moisture Corn, 1980-81
12-14-3001-256, 1976-82
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 Minded 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, 1979-80
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 Rensate 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
89-106-701-15-29 (15-315), Symbiotic N\textsubscript{2} 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 Acultransferase #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---
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

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
12-14-1001-981, Veterinary Medicine Research on foreign animal science, 1977-78
12-14-5001-107, Vee research project, 1974-75
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-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-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-126, Ecological Impacts of Use on Outdoor Recreation Sites in the North Central Region, 1974-77

Box 26:
NCT-119, Cost/Benefit Analysis of Agricultural Research-NC Region, 1978
NCT-120, Development of Parenting Behavior, 1977-80
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
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
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:

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
05-805, "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
10-109, "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
10-219, "Evaluation of a Diesel Tractor Fueled with Ignition Improved Thanol," 8/21/88-12/21/90
10-501, "Effect of Nonpetroleum Fuels on Durability of Direct-Injection Diesel Engines," 9/15/81-9/30/83
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

Agronomy
Grant #81-CRCP-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
15-112, "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," 5/7/83-8/20/84
15-none, "Physiological-Genetic Aspects of Ion Uptake," 1/87-12/87
15-396, "Loading Maize Chromosomes with Genetic Transfer from Tripsacum Dactyloides," 5/2-8/5-1/82
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," 10/1/81-9/30/83
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
15-701, "Carbon Nitrogen Interaction in Crop Production," 5/1/80-10/31/82
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
15-802, "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 Mediating 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
20-201, "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 Quantative Genetics and Biotechnology - Partial Support Thereof," 9/9/85-10/30/86
Dairy Science
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
20-111, "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
20-701, "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
50-113, "Evaluation of the Quality and Functionality of Casein Prepared From Reconstituted Nonfat Dry and Fresh Fluid Skimmilk," 1/1/85-9/30/86
50-101, "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

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
50-502, "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
55-201, "Bio-Energy Conversion Systems," 9/1/82-6/30/85
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-None, "Exercise and Nutritional Status of Adult Women," 10/1/80-9/30/83
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
60-702, "Activity Structure and Sex-typed Behavior," 1/6/83-8/31/83
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
68-801, "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
68-804, "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.
70-307, "Pathogens of Leptosperosis 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 Bahavioral
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 22 84-0003-02U1 - "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 49 85-0010-02 - "Increasing Farm Prices for Processing Quality Corn," 1/85-12/87
ICMB 97 87-0024-01-U1 - "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 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
"Swine Acute Phase Plasma Proteins as Indicators of Physiologic Stress," 7/1/88-6/30/89

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 #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
Award #35-132, "An Evaluation of a Computer Controlled Individual Feeding System for Group Housed Sows," 7/1/87-6/30/88
Award #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 Lipoygenase 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 #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
05-342, "Economics for Agriculture Production," 12/30/70-1/22/80
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
05-370, "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
05-378, "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
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Springer-Sangamon Environmental Research Program
Springer-Sangamon Environmental Research Program, Micro-Climatic Data, 1973
Springer-Sangamon Environmental Research Program, Annual Report-FY 73
NSF IRRPOS Grant GI-26, NSF RANN Grant GI-31650-"Environmental Pollution by Lead and Other Metals, Progress Report, 5/1/71-4/30/72
"Improving the Communication Adequacy of Pesticide Labels," Subreport III and IV, Aug. 1970

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<td>Incidence Biology, &amp; Management of the Pine Wilt Complex (Appleby, Malek),</td>
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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
55-711  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
55-717  Conduct an Analysis of Artificial Intelligence Applications to the Land
Condition-Trend Analysis Program (Gertner), 1991-92

Conduct and Analysis of Artificial Intelligence Applications to the Land
Condition-Trend Analysis Program (Gertner), 1992

Terrestrial Sources & Sinks in the Global Carbon Balance: 1. The Role of the Tropics (Brown, Iverson), 1990-92

Provide Technical & Logistical Management & Coordination in Support of the Land Condition Trend Analysis Program (LCTA), 1992

Mechanical Fastener Performance in Reconstituted Structural Wood-Base Panel Products (Chow), 1982-88

Evaluation of the Forest Floor & Mineral Soils Along a Lake States Sulfate Deposition Gradient for Sulfur, Nitrogen, and Carbon (David), 1986-92

Little Calumet River Watershed Project PL 566 (Rolfe), 1986-88

Box 47:

Composites from Southern Pine Juvenile Wood (Pugel), 1986-92

Natural Resource Education for Urban Audiences (Rolfe), 1986-88

Composite Panel Behavior Under Changing Environments (Pugel), 1988-90

Characterizing ADH Genes & Genomic Clones in Monterrey Pine (Harry), 1988-90

Resin Distribution & Horizontal Density Effects on Wood Composites Durability, Phase 1 (Pugel), 1988-92

Physical Properties of Boards from Combinations of Wood/Agricultural Residue Fibers/Non-wood Materials (Chow), 1988-91

A Computer Assisted Decision Support System for the Primary Processing of Hardwood Forest Products (Mendoza), 1989-92

Rural Forestry Assistance/Dixon Springs Agricultural Center--Forestry Chemical Study (Rolfe), 1990-94

Cooperative Forestry Assistance (Brown), 1990-93

Customized Educational Packages for Targeted Groups of Non-Industrial Private Forest Landowners in Midwest/Planning Assistance (Rolfe), 1991

Re-greening Palinfield: Urban Forestry Assistance (Rolfe), 1991-94

Coordination of Illinois Urban Forestry Initiatives (Rolfe), 1991-92

Inventory Decision Systems for Multi-Product Wood Processing Firms (Mendoza), 1992-95


Identification & Management of Damaging Forest Pests in the State of Illinois (Rolfe), 1992-93

Effects of Nitrogen Fixing Trees and Shrub Interplants on Black Walnut (Dawson), 1992-93

Genetic Diversity in Nursery & Seed Orchard Populations in Black Walnut & Red Oak (Harry), 1992-95

Increasing Soil Temperature in a Northern Hardwood Forest: Effects of Elemental Dynamics & Primary Productivity (David), 1992-93

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

Iron & Cell Mediated Immunity (Sherman), 1986-92

Marriage Patterns Among Illinois Farm Families (Salamon), 1985-90

Family & Peer Influences on the Adaptation to the Second Child Transition (Kramer), 1989-92

Development of Young Children’s Understanding of Models (Deloache), 1987-92

Consumption Patterns of Population Groups (Magrabi), 1989-93

Sibling Aid Among Mexican-Americans in Illinois (Peterson), 1984-91

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Work in the Working Class: The Effects of Jobs on Rural Families (Perry-Jenkins, Salamon), 1991-95

Women’s Awareness, Information Sources & Practices Related to Osteoporosis (Ashbrook), 1986-90

Physical, Chemical, & Microbiological Characterization of Water Associated with Polymer-Solute Model Systems (Schmidt), 1986-90

Rural Young Adult Satisfaction with Drug & Alcohol Rehabilitation Facilities: Interior Design Implications (Pottoff), 1986-90

Tryptophan Supplementation of Infant Formula (Picciano), 1986-92

Diet, Ethnicity & Chronic Disease Risk in 3 U.S. Hispanic Groups (Weigel), 1989-93

Health Care Services as Related to Quality of Life in Rural Illinois (Hafstrom, Fitzsimmons, Pankau), 1987-92

Family Resources Utilization as a Factor in Determining Economic Well-Being of Rural Families (Fitzsimmons, Hafstrom), 1986-93

Role of Branched-Chain Amino Acids in Skeletal Muscle Metabolism (Layman), 1985-95

Food Quality & Energy Usage in Food Service Systems: Microwave & Convective Thermal (Logomarsino, Klein, Perry), 1973-93

Lipid Oxidizing Enzyme Systems in Vegetables & Legumes (Klein), 1975-90

Chronic Alcohol Intake & Breast Carcinogenesis (Singletary), 1988-92

Consumer Utilization of Direct Marketing (Morganosky), 1988-91

Communication Strategies to Improve Nutritional Practices of Adolescents (Ashbrook), 1983-90

Stress, Coping & Adjustment During Adolescent Transitions (Ebata), 1990-95

Impact of Industrial Homework Regulation on Rural Illinois Families (Douglas), 1988-92

Role of Financial Management in Divorce & Remarriage (Fitzsimmons), 1988-92

Maternal & Dietary Determinants of Infant Selenium Nutrition (Picciano), 1983-91

Iron Nutriture & Lipid Metabolism (Sherman), 1978-88


Quality of Restaurant Buffet Food Selections (Logomarsino, Klein, Blaschek), 1989-92

Effect of Storage Time & Packaging Treatment on Color & Lipid Oxidation In Lean Ground Beef (Brewer), 1989-95

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
65-114 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, Bar-Tsur), 1989-93
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

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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
65-404 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 Thermotherapy for Control of Seedborne Pathogens of Soybeans (Sinclair), 1982-84
68-104 Andersons Agriculture Research Fund, Ohio State University Development Fund
Biological Control of Phytophthora Root Rot of Rhododendrons (Paxton), 1985
Phytoalexin Elicitation, Production & Purification (Paxton), 1987-88
Application of Plant Tissue Culture in Soybean Improvement for Brown Spot Resistance (Lim), 1988
Use of Fungicidal Grain Protectants to Reduce Production Costs (White), 1989-93
Multiple Gene Expression From A Single Promoter in Transgenic Plants (Farrand), 1989
Impact of Various Seedborne Fungi & Virus on Soybean Seed, Including Symptoms of Infection, Effect on Grain Quality Standards, Seed Viability (Sinclair), 1988-89
Determining the Effect on Corn Grain Odor of Multiple Applications of Dust Control Rates of Various Soybean Oils & White Mineral Oil (White), 1989-90
Gene Markers for Identifying Microorganisms Released into the Environment (Farrand), 1989-93
Evolutionary Mechanisms in the Prenomycetous Fungi (Glawe), 1987-93
Cellular & Molecular Genetics for Crop Improvement (Shaw), 1983-90
Biology, Epidemiology, & Control of Viruses & Mycoplasma-like Organisms Causing Diseases of Corn (Ford, D"Arcy, Juvik), 1974-91
Detection, Survival, Infection, & Control of Phytopathogenic Organisms on Seeds & Plant Parts (Ries), 1975-92
An Incidence, Biology and Management of the Pine Wilt Complex (Malek, Appleby, Himelick), 1983-91
Spiroplasma Citri in a Model System for the Study of Pathogen-Vector-Plant Relationship, 1984
The Use of Pseudomonas Fluorescens to Reduce Summer Patch & Increase the Efficiency of Water Absorption by POA Pratensis Roots (Wilkinson), 1986-88
Soilborne Diseases of Egyptian Wheat & Maize (Wilkinson, Pederson), 1990-92
Multiple Gene Expression from a Single Promoter in Transgenic Plants (Farrand, Domier), 1990-92
Population Dynamics of Spyroplasma Citri as They Affect Plant & Insect Hosts (Fletcher, Eastman), 1982-85
Crown Gall Control: Plasmid Engineering to Maximize Control & Minimize Failure (Farrand), 1983-90
Characterization of Virulence Genes from Pseudomonas Syringae pv. tabaci (Shaw), 1986-90
Crown Gall Control: Plasmid Engineering to Maximize Control & Minimize Failures (Farrand), 1986-91
Biological Control of Crown Gall: Plasmid Engineering (Farrand), 1988-93
CIS & Transacting Functions Mediating TI Plasmid Transfer (Farrand), 1990-95
Interactions Between Northern Leaf Blight and Stalk Rot Under Corn Tillages (Pedersen), 1981-88
Molecular Genetics of Agrobacterium Plasmids (Farrand), 1986
Assembling of Ornamentals Fungicide Performance Data for the IR-4 Program (Neely), 1984-88
Luteoviruses : Methods for Detection & Taxonomy (D"Arcy), 1984-87

Characterization of Fumonisin B1 Toxicosis in Swine (Beasley), 1990
Interactive Swine Disease & Production Monitoring Network (Bane), 1990

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

Box 50:

Clinical, Endocrinologic & Histopathologic Changes in Yearling Bulls Grazing Endophyte Infected Fescue (Ott, Foley, Zinn, Elsasser), 1990-95
Control for Breeding Season Length in Male and Female Sheep (Jackson), 1990-93
Oral & Parenteral Tetracyclines in Swine; Pharmacokinetics and Tissue Levels (Bane, Hall), 1987-90
Regulation of the Pulsatile Secretion of Uterine Prostaglandin F2a (Hixon), 1991-95
Testicular Lesions in Yearling Bulls With Small Testes (Ott, Parrett, Hixon), 1985-90
Role of Pancreatotoxicity in Weight Loss Syndrome of Chickens Fed Crambe Meal (Jeffery), 1989-93
Effects of Estrogens on Bovine Interstitial Cell Functions (Hixon, Ott, Stein, Scherman), 1982-89
Prevention & Control of Enteric Diseases of Swine (Ristic), 1984-86
Isolation & Genetics of a Porcine Receptor Mediating Sensitivity to E. Coli (Isaacson), 1990-95
Tolerance to Toxicosis Induced by Acremonium Coenophialum Infected Tall Fescue (Zinn), 1990-95
Effect of Cool-Warm-Cool Season Grass Pasture Sequence on Cow Calf Performance (Zinn), 1987-92
Study of the Pancreatotoxic Cruciferous Nitrile, 1-Cyano-2-Hydroxy-3-Butene (Wallig), 1988-91
Use of Kinetic Models to Optimize Treatment of Bacterial Infections in Swine (Bevill, Koritz), 1988-91
Contribution of the Adrenal Gland to Anestrus in Suckled Beef Cattle (Wagner, Hixon), 1982-86
The Effect of Milk Fat, Casein & Endothelial Selection on Bovine Neutrophils (Shadduck), 1982-86
Development of Control Measures for Potomac Horse Fever (Ristic), 1985-87
Computer Assisted Stresses Index Analysis of Oscillations of Heart Rate Obtained Telemetrically (Benson, Thurmon, Olsen), 1988-91
C-Reactive Protein in Swine with Respiratory Disease (Hall), 1987-91
The Effect of the Presence of the Male on Estrous Activity of Postpartum Beef Cows (Ott), 1987-91
Regulation of the Pulsatile Secretion of Progesterone in Cattle (Hixon, Eurell), 1988-91
Epidemiologic Analysis of Risk Factors & Economics of Ovine Respiratory Disease (Hungerford), 1990-93
Pasteurella Pneumonia in Swine: Neuraminidase as a Virulence Factor (Vimr, Hascheck-Hock), 1990-93
Prevention of Salmonella Typhimuricollonization of Swine by Peptide Vaccines (Isaacson, Schook), 1989-93
The Role of Pseudorabies Glycoproteins in Immunopathogenesis (Hahn), 1990-95
Analysis of the Genetic Control of the Cellular Immune Response of Swine to Individual Viral Antigens (Zuckermann), 1990-95


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
#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 (McKeath, 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
#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

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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 (Koeppe), 1977-80
#77, 3-31a-1, Respiratory Energy Relations in Soybeans (Koeppe), 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 (Koeppe), 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

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#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

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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
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 SÖILEC 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

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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
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 Microbe 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 Metels to the Atmosphere by Volatization 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 Adaption 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 Autocrine/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 Histocompatiblity (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
50-128 The Evaluation of Flavor Entrapment or Protection by Egg White (Artz)
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 Saccarification Process Using a Continuous (Cheryan)
50-207 Screening the USDA Soybean Germplasm Collection for Genetic
50-208 Development of a commercially Useful Thermostable A-Glactosidase
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 Acetotylicum 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
60-506 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
       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 Disinfection and Acclimatization Micropagation
65-407 Communicating Environmental 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 Nutritional 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, Steriods, 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 Johne’s Disease
70-615 Intracellular Signaling and Modulation of Bovine Mammary Leukocytes
70-617 Porcine Pulmonary Injury Due to Neutrophils (Shadduck, 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, Steriods, 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 PGF2α Secretion by Ovarian Steriods
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) virus 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

Memorandum of Understanding - Shawnee Wood and Energy Products

FILES TRANSFERRED IN NOVEMBER 2002

Horticulture Department
65-331 Precision Turfgrass Management, 1998
65-332R Physiological & Genotypic Basis for Nitrogen Use Efficiency in Vegetable
Crops, 1995
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 7 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
65-379 Herbicide Fate in Food Webs of Illinois Reservoirs, 1996-97
65-383 Modeling Crop, Forage and Woodland Yield Responses to Illinois
Soils, 1997-98
65-395 Public Deliberation, Land Use Debate, and Environmental
Controversies, 1997-98
65-403 Genetic Engineering of the BT Gene for Developing Pest Resistance, 1992
65-423 Illinois Strategic Plan for Sustainable Agriculture and Implementation, 1996
65-502 Bioprocess Strategy to Amplify Natural Plant Pigment Production in Vitro, 1997

Box 60:

Horticulture
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
65-803 Trees and Chicago Public Housing (Kuo), 1994-97
65-804 Trees and Urban Public Housing Enhancing (Kuo, Sullivan), 1994-97
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:

Horticulture Department
65-824 Interactive Effects of Acid Rain on Oats and Crown Rust (Banwart), 1997
65-850 Tri - State Forest Stewardship Conference (Bolin), 1997-98
65-855 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 Solani, 1995-96
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 Characterization of Pathoogenicity of Fumonisin B1, 1996
70-317 Effects of Phenylbutazone on Anion Transport by Equine Right Dorsal Colin In Vitro, 1994-96
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
70-326 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 Rumens 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 Perspiratory Syndr Me 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

Box 62:

Food Science
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
50-324 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 Shel, 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 Prefringes (Blaschek) Forestry, 1993-96
55-114 In-track Remedial & Alternative Tie 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
55-406 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

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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
60-306 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 Waster 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 o Vegetational Diversity on Insects Affecting Vegetable, 1993-97
65-322 (NC - 212) Ecology and Impact of Gypsy Moth Invasion, 1993-98
65-327 Enhancing Disease Resistance in Grasses, 1991-97
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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

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15-413 Specialty Corn Hybrids- RFLP and Marker Mapping of Genes Controlling, 1993-97
15-416 Gene Identification & Manipulation of the Another Culture of Maize, 1993-94
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
15-522 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
15-822 Illinois River Sands Water Quality (Simmons) USDA/SCS, 1994
15-827 Conduct of National Oat Germplasm Enhancement at the University of Illinois, 1996
15-829 Cooperative Soybean Germplasm Research (Heichel), 1996
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
15-839 Regulation of Photosynthetic Carbon (Briskin) # 58-3611-5-177, 1995-96
15-850 Illinois Statewide Survey For Presence Of Karnal Bunt In Wheat, 1996

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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 Marinate, 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
35-315 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
35-321 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 & Parathryioic 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 IGFBP - 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
35-367 Estimation of Genetic Parameters, 1993-98
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
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
35-719 International Symposium on Rumen Microbiology (Mackie) DOE, 1995-96
35-721 Diet on Metabolism of Lab Rats (Harrison), 1994-95
35-903 Mucosal Delivery of Antigenic Epitopes By Lactobacillus, 1993-95
35-904 Impact of Hoof Health on Longevity, 1994-95
35-905 Autocrine Factor Controlling Lactoferin 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 Morality in Poultry, 1997-98
35-969 Physiologic Mechanisms in the Neuro- Immune Axis of Pigs: Role of TNF, 1995-96

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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
45-805 Small Community Consequences of Midwestern (Salamon) USDA/ERS, 1995-97
45-848 Illinois Rural Development Council (van Es, Sofranko), 1993-97
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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 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

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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)
10-815 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 Microsporidia, 1994-97
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 Microbile Control Agents, 1994-95

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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

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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
15-264 Evaluation of Minolta Spa-520 Chlorophyll Meter for On-Farm Management of Corn in Illinois, 1994-95
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
15-301 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
15-315 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
15-347 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
15-367R 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

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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

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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
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05-332 Ecosystem Management for Agriculture Watersheds, 1995-98
05-338 Economic and Environmental Implications of Expiring Conservation Reserve, 1994-98
05-345 Performance of the United States Grain Marketing System, 1987-96
05-402 Improving the Extension System Ability to Respond to Natural Disaster, 1995-96
05-404 The Impact of Dynamics and Uncertainty on Strategies to Reduce Agricultural, 1994-96
05-414 Cooperation or Coercion? Effect of Mandates and Regulations on Small, 1994-95
05-416 A*DEC Symposium on Plant Biotechnology Issues, 1996
05-418 A Structural Approach to Measuring Impacts of Rural Development Policies, 1994-96
05-420 Agricultural Flood Plain Management After the 1993 Flood (Hornbaker), 1995-97
05-421 Meeting the Soybean Quality Challenge from Brazil (Hill), 1994-96
05-422 Center for Farm and Rural Business Finance (Berry), 1994-95
05-423 Privatizing Farms and Agribusiness Firms in the Former Soviet Union, 1993-96

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05-725 Future and Options Trading Simulator for the World Wide Web, 1996-97
05-846 Assessing the Relationship Between Barge Rail 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
10-313 Sediment Yield And Water Quality From Agricultural Watersheds (Hirschi), 1998
10-320 Reconstruction of Agricultural Machinery Related Accidents, 1992-97
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
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1977-1978 RRF Research Original Copies
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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
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01-690 Western Illinois University - Rural Environment Research Illinois