

**Agricultural Research Center
College of Agriculture and Home Economics
Washington State University**

**Projects Approved by USDA/CSREES for FY 2002-2003
By Department and Research Center**

DEPARTMENTS:

AGRICULTURAL RESEARCH CENTER

- 0318 Jointed Goatgrass: A Threat to U.S. Wheat Production, SG, Carlson, J.R.
- 0325 Grass Seed Cropping Systems for a Sustainable Agriculture, SG, Cavalieri, R.P., Johnston, W.J.
- 0356 Jointed Goatgrass: A Threat to U.S. Wheat Production, SG, Cavalieri, R.P.
- 0358 Grass Seed Cropping Systems for a Sustainable Agriculture, SG, Cavalieri, R.P., Johnston, W.J.
- 0379 Aquaculture, Washington, SG, Ristow, S.S.
- 0393 Jointed Goatgrass: A Threat to U.S. Wheat Production, SG, Ristow, S.S.
- 0394 Grass Seed Cropping Systems for a Sustainable Agriculture, SG, Cavalieri, R.P.
- 0433 Aquaculture, Idaho Washington, SG, Ristow, S.S.
- 0434 Grass Seed Cropping Systems for a Sustainable Agriculture, SG, Cavalieri, R.P.
- 0436 Jointed Goatgrass: A Threat to U.S. Wheat Production, SG, Ristow, S.S.
- 7996 Multistate Research Coordination, Western Region, H, W-106, Cavalieri, R.P., Ristow, S.S.

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- 0160 Agricultural Water Management Technologies, Institutions and Policies Affecting Economic Viability and Environmental Quality, H, W-190, Huffaker, R.G.
- 0218 Empirical Likelihood, Maximum Entropy, Estimation Equations, and other Computer Intensive Methods for Agricultural Economics, H, Mittelhammer, R.C., Wahl, T.I.
- 0227 Rural Communities and Public Lands in the West: Impacts and Alternatives, H, W-192, Holland, D.W.
- 0265 The Effects of Farmland Prices, H, Barkley, P.W.
- 0269 Dryland Grain Growers' Income Risk Management and Its Environmental Impacts, H, Wang, H.H.
- 0275 Agricultural Production, Processing, Trade, and Environmental Quality, H, Shumway, C.R., Duval, Y.
- 0278 The Prospects and Pitfalls of Financing Cooperatives through Patron Demand Deposit Accounts, H, Duft, K.D.
- 0299 Fisheries Management and Marketing of Marine and Aquaculture Seafood, H, Matulich, S.C.
- 0301 Private Strategies, Public Policies, and Food System Performance, H, NE-165, McCluskey, J.J.

- 0303 Economic Aspects of Growing Vinifera Wine Grapes on Rootstocks and Marketing Washington Wine, H, Folwell, R.J.
- 0317 Wine Grape Economic Research, S, Folwell, R.J.
- 0343 Policy and Competitive Changes in Agricultural Transportation in Washington, H, Casavant, K.L.
- 0347 Assessing the Economic Viability of Soil Conserving Farming Systems in Eastern Washington, H, Young, D.L., Stockle, C.O., Wu, J.Q., Bezdicsek, D.F., Frazier, B.E., Veseth, R., Pan, W.L., Reganold, J.P.
- 0378 Improving the International Competitiveness of the Washington/Oregon and Michigan Asparagus Industries, SG, Folwell, R.J., Tang, J., Fellman, J.K., Powers, J.R.
- 0383 Public Policy and the Washington Economy: A General Equilibrium Approach to Economic Policy Analysis, H, Holland, D.W.
- 0418 Improving the International Competitiveness of the Washington/Oregon and Michigan Asparagus Industries, SG, Folwell, R.J.
- 0448 Benefits and Costs of Natural Resource Policies Affecting Public and Private Lands, H, W-1133, McCluskey, J.J., Wandschneider, P.R.
- 0539 Economics, Information, and Institutional Design for Natural Resources and the Environment, H, Yoder, J.
- 0540 Collective Reputation: Firm Incentives and Empirical Analysis, H, McCluskey, J.J.
- 0691 Benefits and Costs of Resource Policies Affecting Public and Private Land, H, W-133, Wandschneider, P.R.
- 0806 Fruit and Vegetable Supply-Chain Management, Innovations, and Competitiveness, H, S-222, Schotzko, R.T.
- 0998 Rural Economic Development: Alternatives in the New Competitive Environment, H, NE-1011, Holland, D.W.
- 4301 Reputation and State Commodity Promotion, CG, McCluskey, J.J.
- ANIMAL SCIENCES**
- 0154 Environmental and Economic Impacts of Nutrient Management on Dairy Forage Systems, H, NE-132, Harrison, J.H.
- 0167 Enhancement of Dietary Energy Use for Maintenance, Growth, and Lactation by Beef Cattle, H, Johnson, K.A.
- 0181 Genetic Variation in Growth, Carcass Composition, Quality and Fatty Acid Composition of Wagyu Cattle, H, Gaskins, C.T., Reeves, J.J., Johnson, K.A., Busboom, J.R.
- 0237 Equine Muscle Healing and Regeneration, H, Byrne, K.M.
- 0304 Altering Fermentation of Plant Fiber, H, Nelson, M.L.
- 0328 Investigation of Direct Fed Microbial (DFM) Products Based on Aspergillus Fermentation Extract, H, Calza, R.E.
- 0331 Importance of Dietary Carotenoids on Immunity and Cancer in the Canine and Feline, H, Chew, B.P.
- 0374 Nutrient Management: Feeding for Reduced Excretion of Nitrogen, Phosphorus, Zinc, and Selenium by Ruminants, H, Kincaid, R.L.
- 0380 Detection of the Polymeric Immunoglobulin Receptor, PIGR, in Porcine Oviductal Epithelial Cells, AH, Leid, R.W.

0450 The Science and Engineering for a Biobased Industry and Economy, H, S-1007, Chen, S.

0467 Improvement of Thermal and Alternative Processes for Food, H, NC-136, Barbosa-Canovas, G.V., Powers, J.R., Cavalieri, R.P., Swanson, B.G., Tang, J.

0990 Technology & Principles for Assessing & Retaining Postharvest Quality of Fruits & Vegetables, H, NE-1008, Hyde, G.M., Tang, J., Fellman, J.K.

3227 Non-Chemical Pest Control in Fruits and Nuts Using Electromagnetic Energy, OG, Tang, J., Hansen, J.D.*, Mitcham, E., Shellie, K.*

4222 Integrated Nutrient Management Modeling for Dairy Production Systems Featuring Dynamics and Optimization, CG, Chen, S., Stockle, C.O., Harrison, J.H.

4378 Microstructures and Properties of High/Low Acyl Mixed Gellan Gels, CG, Tang, J., Swanson, B.G.

7319 Modeling Hydrology and Erosion Under Winter Climatic Conditions of the Pacific Northwest: Modifying WEPP, NRI, Wu, J.Q.

7990 Measurement and Control of Fruit and Vegetable Impact Sensitivity, CG, Hyde, G.M.

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0333 Precision Agricultural Systems, S, Pierce, F.J., Davis, D.C.

0529 Estimates of Fruit Maturity, Crop Load and Yield by Reflectance Measurements, S, Perry, E.

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0414 A Proposed Study to Determine Agricultural Drainage Practices Which Minimize Detrimental Effects on Salmonids, S, Feise, C.

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0127 Local Dimensions of the Globalization of Food and Agricultural Marketing Systems, H, Jussaume, R.A.

0141 Public Concern for the Environment: International Comparisons, H, Dunlap, R.E.

0230 Commodities, Consumers, and Communities: Local Food Systems in a Globalizing Environment, H, NE-185, Jussaume, R.A., Ostrom, M.

0280 Green Buildings, Technology Markets and Environmental Sustainability, H, Lutzenhiser, L.A.

0403 Systems Analyses of the Relationships of Agriculture and Food Systems to Community Health, H, NC-1001, Jussaume, R.A.

0445 Population Change in Rural Communities, H, Kirschner, A.R.

0932 Self-Conceptions and Marital Interaction: Process of Commitment and Estrangement in New Marriages, H, Gecas, V.

0942 Improvement of Rural and Agricultural Sample Survey Methods, H, Dillman, D.A., McCracken, V.A.

0981 Social and Economic Change and Diversity in Nonmetro Washington, H, Kirschner, A.R.

- 3230 Enhancing the Viability of Local Agri-Food Systems, CG, Jussaume, R.A., Schotzko, R.T.
- 4179 Understanding, Evaluating, and Improving Direct Marketing Systems for Small Farms, OG, Ostrom, M., Holland, D.W., Foltz, J.C., Lev, L.C., DePhelps, C.R., Zenz, L.K.

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- 0207 Wine Grape Research, S, Watson, J.W.
- 0401 Rural Telework Project, CG, Christensen, D., Lutzenhiser, L.A.
- 0402 The Germ City Hand Washing Program: Clean Hands, Healthy People, CG, Craig, B.S., Brown, G.
- 0437 Training Environment Stewards: Integrating Water Quality and Quantity Education From Mountain to Ocean, OG, Gaolach, B.W., Robson, M., Kantor, S., Racette, P.

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- 0110 Alfalfa Growth and Quality: Environmental and Plant Factors, H, Stevens, R.G., Hoffman, T.R., Fransen, S.C.
- 0152 Characterization of Flow and Transport Processes in Soils at Different Scales, H, W-188, Flury, M., Wu, J.Q.
- 0175 Adaptation Studies of Cereal Varieties and Selections, H, Burns, J.W.
- 0182 Impact of No Till on Soil Quality Physical, Chemical, and Microbial Properties, H, Bezdicek, D.F., Albrecht, S., Flury, M., Roe, D.
- 0196 Molecular Markers for Barley Disease Resistance Genes, H, Kleinhofs, A.
- 0232 Breeding and Genetics of Winter Wheat, H, Jones, S.S., Murray, T.D., Carter, B.P.,

- Chen, X.M., Morris, C.F.*, Campbell, K.G.
- 0250 Cropping Systems Research for Low-Precipitation Dryland in Eastern Washington, H, Schillinger, W.F., Cook, R.J., Papendick, R.I.*, Veseth, R., Yenish, J.P.
- 0251 Breeding of Value-Added Barley by Incorporation of Protein-Engineered Beta-Glucanases, S, von Wettstein, D.H., Ullrich, S.E.
- 0256 Soil Conditions, Crop Productivity and Ground Water Quality in Some Western Washington Soils, H, Kuo, S., Harsh, J.B., Bezdicek, D.F., Miltner, E.D.
- 0257 Developing Site Specific Approaches for Crop Nutrient Management in Irrigated Ag Systems, H, Davenport, J.R., Stevens, R.G., Fraise, C.
- 0267 Sorption and Transport in Porous Media at Different Scales, H, Flury, M.
- 0277 Ecologically Based Weed Management for Dryland Cropping Systems, H, Fuerst, E.P.
- 0281 Alternate Crops and Cropping Systems for Irrigated Central Washington, H, Hang, A.N., Lumpkin, T.A., Schillinger, W.F.
- 0282 Germplasm and Cultivar Development of Hop, H, Kenny, S.T., Grove, G.G., James, D.G.
- 0297 Weed Interference in and Herbicide Effects on Western Washington Crops, H, Miller, T.W.
- 0306 PM-10 Particulate Emission Prediction & Control from Ag Land in the PNW Columbia Plateau, SG, Schillinger, W.F., Young, D.L., Claiborn, C.S., Busacca, A.J., Pan, W.L., Lamb, B.K., Veseth, R., Frazier, B.E., Esser, A.D.
- 0308 Characteristics of Calcareous Sands Used for Turfgrass Root Zones, H, Miltner, E.D., Stahnke, G.K., Johnston, W.J.

- 0309 Spectral Reflectance and Spatial Analysis of Plant Stress Indicators in *Vitis*, H, Davenport, J.R., Perry, E.
- 0316 STEEP: Solutions to Environmental and Economic Problems, SG, Bezdicek, D.F.
- 0323 Remote Sensing for Land Management, H, Frazier, B.E., Busacca, A.J., Pan, W.L., Carter, B.P.
- 0329 Perennial Ryegrass Seed Production in the Puget Sound Without Burning, S, Johnston, W.J., Miller, T.W.
- 0332 Evaluation and Management of Turfgrass Species and Cultivars, H, Johnston, W.J., Stahnke, G.K., Miltner, E.D., Johnson, R.C.*, Thill, D.C., Miller, T.W.
- 0334 Improving Spring Wheat Varieties for the Pacific Northwest, H, Kidwell, K.K., Jones, S.S., Morris, C.F.*, Ullrich, S.E.
- 0344 Diversity and Sustainability of Plant and Arthropod Communities Within Agroecosystems, H, Quinn, M.A., Bezdicek, D.F., Zack, R.S., Pike, K.S., Gould, J.*
- 0350 Weed Control Research in Irrigated Vegetable and Specialty Crops, S, Boydston, R.A. *, Parker, R.
- 0351 STEEP: Solutions to Environmental and Economic Problems, SG, Bezdicek, D.F.
- 0353 Soil Quality Changes with No-Till Management Adoption for Wind Erosion Control, S, Kennedy, A.C.*
- 0359 Early Generation and Market Specific Quality Evaluation of New Wheat Varieties, H, Carter, B.P.
- 0363 Nutrient Management for Improved Crop Yield and Quality for Dryland Cropping Systems of Eastern WA, H, Pan, W.L.
- 0373 Carbon and Nitrogen Cycling and Management in Alternative Cropping Systems, H, Pan, W.L. Young, F.L.*, McKean, W., Frazier, B.E., Kidwell, K.K., Stevens, R.G.,
- 0376 Integrated Management of Winter Annual Grass Weeds in Eastern Washington Dryland Crop Systems, H, Yenish, J.P., Huggins, D.*, Burns, J.W., Young, F.L.*
- 0382 PM10 Particulate Emission Prediction and Control from Agricultural Lands in the Pacific Northwest, SG, Schillinger, W.F.
- 0384 STEEP: Solutions to Environmental and Economic Problems, SG, Bezdicek, D.F.
- 0385 Physical Chemical State and Plant Availability of Uranium, Lead, Cadmium, Zinc, and Arsenic in Selected Washington Soils, H, Harsh, J.B., Zamora, B.A., Kuo, S., Pan, W.L., Stevens, R.G., Flury, M.
- 0397 Risk Assessment of Increased Soilborne Disease Pressure in Glyphosate Tolerant Wheat Production, NRI, Kidwell, K.K.
- 0398 An Integrated Physical and Expression Map for Barley for *Triticeae* Improvement, NRI, Kleinhofs, A.
- 0400 Biology, Ecology, and Integrated Management of Weeds in Potato Rotation Cropping Systems, H, Williams, M.M., Boydston, R.A. *, Pierce, F.J., Davenport, J.R., Walsh, D.B.
- 0406 Characterizing Weed Population Variability for Improve Weed Management Decision Support Systems to Reduced Herbicide Use, H, NC-202, Williams, M.M., Boydston, R.A. *, Pierce, F.J., Davenport, J.R., Walsh, D.B.
- 0410 A Comparative Analysis of the Sustainability of Farming Systems, H, Reganold, J.P., Andrews, P.K., Hinman, H.R.
- 0413 International Cooperation for Agriculture Research in Central Asia and The Caucasus, SG, Lumpkin, T.A.

- 0421 PM10 Particulate Emission Prediction and Control from Agricultural Lands in the Pacific Northwest Columbia Plateau, SG, Schillinger, W.F.
- 0422 Ecologically-Based Management of Annual Weeds in Dryland Grain Production Systems of Eastern Washington, H, Gallagher, R.S.
- 0435 STEEP: Solutions to Environmental and Economic Problems, SG, Bezdicek, D.F.
- 0449 Molecular Characterization and Manipulation of the Wheat Genome for Crop Improvement, H, Gill, K.S., Kidwell, K.K., Kleinhofs, A., Jones, S.S., Campbell, K., Steber, C.
- 0520 Developing Tissue Nutrient Standards for Irrigated Wine Grapes in Central Washington, S, Davenport, J.R.
- 0598 Eolian Soils, Global Change, and Washington Agriculture, H, Busacca, A.J., Frazier, B.E., Gaylord, D.L., Meinert, L.D.
- 0664 Seed Biology, Technology, and Ecology, H, W-168, Warner, R.L.
- 0688 Developing Crops and Cropping Systems for Moisture-Limiting Environments, H, Chevalier, M.M., Ullrich, S.E.
- 0689 Forage Quality and Management of Alfalfa and Grass in the Columbia Basin, H, Fransen, S.C., Woodward, T*, Stevens, R.G.
- 0690 Chemistry and Bioavailability of Waste Constituents in Soils, H, W-170, Kuo, S.
- 0715 Integrated Weed Management in Dryland Cropping Systems in Washington, S, Young, F.L.*, Seefeldt, S.S.
- 0722 Beneficial Use of Organic Amendments in Agricultural and Urban Soils, H, Cogger, C.G., Bary, A.I., Hummel, R.L., Miltner, E.D.
- 0747 Nutrient Management in Washington Tree Fruit Orchards, H, Peryea, F.J.
- 0805 Weed Research in Irrigated Agronomic, Horticultural, and Specialty Crops in WA, S, Parker, R.
- 0900 Soil Survey and Classification, H, Busacca, A.J., Frazier, B.E., Gessler, P.
- 1006 Breeding and Genetics of Barley, H, Ullrich, S.E., Kleinhofs, A., von Wettstein, D.H., Kidwell, K.K., Burns, J.W., Chen, X.M., Cook, R.J., Baik, B.K.
- 1134 Plant Genetic Resource Conservation & Utilization, H, W-006, Lumpkin, T.A., Coyne, C.J.*, Clement, S.L.*, Hannan, R.M.*, Johnson, R.C.*, Dugan, F.M. *, Cavalieri, R.P., Welsh, M., Bradley, V., Hellier, B.
- 1790 Breeding Dry Pea, Lentil and Chickpea Germplasm for Stress Tolerance, Disease Resistance and Quality, S, Muehlbauer, F.J.*, McPhee, K.E.*, Chen, W.*
- 1851 Enhancing Winter Wheat for Coldhardiness, S, Skinner, D., Allan, R.E.*
- 3151 Production of Recombinant Procollagen in Transgenic Barley Grain, CG, von Wettstein, D.H., Allan, R.E.*
- 3373 Low Temperature, Low Pressure Straw Pulping For Production of Linerboard, Corrugated Medium, Newsprint and Fertilizer, NRI, Pan, W.L.
- 3422 Various Strategies to Achieve Ecological and Economic Goals in the Transition Phase of Eastern Washington Organic Dryland Grain Production, OG, Gallagher, R.S., Bezdicek, D.F., Hinman, H.R.
- 3669 Development and Feasibility of Perennial Wheat for Highly Erodable Lands, OG, Jones, S.S., Murray, T.D.
- 3776 Effect of Cropping Systems on Shrub-Steppe Habitat, CG, Quinn, M.A.

- 4277 The Role of Microbially-Mediated Decay in Mortality of Annual Grass Weed Seeds, CG, Fuerst, E.P., Kennedy, A.C.*
- 6197 Molecular Genetics of the Barley Stem Rust Resistance Gene Families, CG, Kleinhofs, A.
- 6703 Sustainability of Three Apple Production Systems, CG, Reganold, J.P., Andrews, P.K.
- 6724 The Benefits and Costs of Using Organic Waste Streams in Small Scale Agriculture, SG, Cogger, C.G., Ostrom, M., Bary, A.I., Carkner, R.W., Bristow, P.R., Miles, C.A., Stone, A.G., Sullivan, D.M., Hemphill, D.
- 7198 Cloning and Characterization of the Barley Stem Rust Resistance Genes RPG4 and RPGQ, NRI, Kleinhofs, A.
- 7703 Sustainability of Three Apple Production Systems: Organic, Convention, and Integrated, NRI, Reganold, J.P., Andrews, P.K.
- 8251 Leucocyanidin Reductase and Condensing Enzyme in Proanthocyanidin Synthesis, CG, von Wettstein, D.H.
- 0270 Biology and Control of Arthropod Pests of Berry Crops, H, Tanigoshi, L.K., Moore, P.P., Antonelli, A.L.
- 0272 Biological Management of Yellow Starthistle in Washington, H, Piper, G.L.
- 0302 Dynamics and Management of Pest and Natural Resource Populations, MS, Berryman, A.A.
- 0315 Biology and Integrated Management of Insect and Mite Pests of Wine Grapes, S, James, D.G., Walsh, D.B.
- 0327 Ecological and Toxicological Approaches to Estimate Effects of Pesticides to Nontarget Organisms, H, Stark, J.D., Banks, J.E., Wennergren, U.
- 0335 Pesticide Information Coordination, S, Daniels, C.H.
- 0337 Biological Control of Aphid Pests, H, Pike, K.S., Miller, T.D., Tanigoshi, L.K., Thomas, P.E.*, Turner, W.J., Stary, P.
- 0339 Development of Integrated Arthropod Management Systems for Irrigated Crops in Central Washington, S, James, D.G., Kenny, S.T., Parker, R., Felsot, A.S.
- 0342 Investigation of Neural-like Properties of a Colorado Potato Beetle Cell Line, H, Sheppard, C.A, Cohen, R.W.
- 0349 Managing Agrochemical Behavior Under Drip Irrigation Systems, 3143, H, Felsot, A.S., Cohen, R.W.
- 0366 Developing an IPM Infrastructure for Apple Orchards Under Mating Disruption, H, Jones, V.P., Brunner, J.F., Dunley, J.E., Unruh, T.*
- 0372 Mechanisms and Mitigation of Agrochemical Impacts on Human and Environmental Health, H, W-45, Hebert, V.
- 0381 Development of Integrated Management Systems for High Value Specialty Crops in Central Washington, H, James, D.G., Kenny, S.T., Eastwell,
- 0121 Biological Control in Pest Management Systems of Plants, H, W-185, Piper, G.L.
- 0122 A National Agricultural Program to Clear Pest Control Agents for Minor Uses, H, NRSP-4, Walsh, D.B.
- 0206 Development of Crop Protection Chemicals, S, Walsh, D.B., Eastwell, K.C., James, D.G.
- 0243 Biological Diversity Studies of Arthropod Taxa, H, Zack, R.S.

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- 0391 Biology and Management of Mealybugs in Washington Wine Grape Vineyards, S, James, D.G.
- 0392 Biology and Management of Mealybugs in Washington Wine Grape Vineyards, S, Walsh, D.B.
- 0405 Potential of Insect Growth Regulators for Controlling Insect Pests of the Pacific Northwest, H, Brown, J.J., Berryman, A.A.
- 0415 Utilizing Complex Communities of Natural Enemies in Biocontrol, H, Snyder, W.E.
- 0416 Molecular Genetics of Honey Bee Subspecies and Selection and Breeding of New World Populations, H, Sheppard, W.S.
- 0426 Evaluations of Airborne Herbicide Residues on Wine Grape Production, S, Hebert, V., Felsot, A.S.
- 0430 Enhancement of Dalmatian Toadflax Biological Control in Washington, H, Piper, G.L.
- 0431 Biologically-Intensive Management of Arthropod Pests of Pear, H, Dunley, J.E., Brunner, J.F., Jones, V.P., Beers, E.H.
- 0440 Characterization of Cellular Proliferation in a Polyembryonic Parasitoid Wasp, H, Corley, L.S.
- 0455 Biological Diversity Studies of Arthropod Taxa, H, Zack, R.S.
- 0457 Understanding Transport and Fate of Pesticide Management Chemicals in Air: Integrated Field Monitoring with Laboratory Reactivity Studies, H, Hebert, V., Felsot, A.S., Brunner, J.F., Miller, G.C.
- 0459 Population Control of Alfalfa Looper and Corn Earworm (*Lepidoptera: Noctuidae*) Though Female Annihilation Technique, G, Zack, R.S., Landolt, P.J.*
- 0464 Regulation of Caste Fate in the Polyembryonic Wasp *Copidosoma Folridanum*, S, Corley, L.S.
- 0470 Reducing the Potential for Environmental Contamination by Pesticides and Other Organic Chemicals, H, W-082, Felsot, A.S., Gamberdinger, A.P.
- 0524 Biology and Integrated Management of Insect and Mite Pests of Wine Grapes, S, James, D.G.
- 0525 Biology and Management of Mealybugs in Washington Wine Grape Vineyards, S, James, D.G.
- 0534 Innovative Management of Cutworms in Washington Vineyards, S, Walsh, D.B.
- 1090 Pest Management of Direct Pests of Apple in Washington Tree Fruit Orchards, H, Brunner, J.F., Beers, E.H., Dunley, J.E., Landolt, P.J.*
- 3464 Regulation of Caste Fate in the Polyembryonic Wasp *Copidosoma Folridanum*, NRI, Corley, L.S.
- 4089 Building a Multi-Tactic Pheromone-Based Pest Management System in Western Orchards, OG, Brunner, J.F., Beers, E.H., Riedl, H., Welter, S.C.
- 4362 The Impact of Generalist Predators in Agriculture and Refuge Habitats, CG, Snyder, W.E.
- FOOD SCIENCE AND HUMAN NUTRITION**
- 0103 Dietary and Psychosocial Factors Affecting Self-Management of Type 2 Diabetes Mellitus, H, Armstrong Shultz, J., Massey, L.K., Evans, M.A., Hicks, B.,

- Crogan, N., Branen, L.J., Weisham, C., Beerman, K.A.
- 0118 Vitamin B-6 Intake, Smoking and DNA Damage, H, Shultz, T.D.
- 0128 Marketing and Delivery of Quality Cereals and Oilseeds, H, NC-213, Baik, B.K.
- 0205 Factors Affecting the Quality of Washington Wine and Wine Grapes (*Vitis vinifera*), S, Spayd, S.E., Edwards, C.G., Folwell, R.J., Tarara, J.M. *, Keller, M., Fellman, J.K.
- 0208 Enological and Viticultural Practices on Fermentation Microbiology, Chemistry, and Quality of Wines, S, Edwards, C.G., Spayd, S.E., Tarara, J.M. *, Fellman, J.K., Collins, M.D., Milles, D.A.
- 0276 Factors Influencing the Intake of Calcium Rich Food Among Adolescents, H, W-1003, Edlefsen, M.S.
- 0286 Effect of Under- or Overconsumption on Serum Leptin and Food Regulation in Lean and Obese Subjects, H, Beerman, K.A.
- 0288 Microbiological and Chemical Factors Affecting the Flavor and Textural Quality of Cheddar Cheese, H, McGuire, M.K., Chew, B.P., Swanson, B.G., Yuksel, G.
- 0305 Develop a Non-Invasive Spectroscopic Method to Predict Safety/Quality of Cured/Smoked Food Products, H, Rasco, B.A.
- 0369 Evaluation of Surface Irrigation Water as Source of Contamination of Fruits and Vegetables with *E.Coli* 0157 and *L. Monocytogenes*, H, Kang, D.H., Hancock, D.D., Gay, C.C., Knowles, D., Borucki, M.
- 0370 Nutrition in the Treatment of Calcium Kidney Stones, H, Massey, L.K.
- 0395 Reducing Risk with Food Thermometers: Strategies for Behavior Change Integrated Activity, CG, Hillers, V.N.,
- Edlefsen, M.S., Kang, D.H., McCurdy, S.M., Mayes, V.E.
- 0444 Relationship Between Maternal Isomeric CLA and Human Milk Isomeric CLA Concentrations; Relationship With Milk Fat Content, S, McGuire, M.K.
- 0522 Microbiology and Chemistry of Washington Grapes, S, Edwards, C.G.
- 0531 Factors Influencing Wine and Wine Grape Quality in Washington, S, Spayd, S.E.
- 0537 Factors Affecting the Quality of Washington Wine and Wine Grapes (*Vitis vinifera*), H, Spayd, S.E., Edwards, C.G., Folwell, R.J., Fellman, J.K., Keller, M., Tarara, J.M. *
- 0560 Genetic Improvement of Beans (*Phaseolus vulgaris* L.) for Yield, Disease Resistance, and Food Value, H, W-150, Swanson, B.G., Hang, A.N.
- 0719 Milling and Flour Quality Characteristics of Wheat Selections, S, Morris, C.F. *, McCurdy, A.
- 0846 Enological and Viticultural Practices on Fermentation Microbiology, Chemistry, and Quality of Wines, H, Edwards, C.G., Spayd, S.E., Paznokas, J.L., Fellman, J.K., Reynolds, A.G., Mills, D.A., Collins, M.D., Tarara, J.M. *
- 0905 Nutrient Bioavailability - A Key to Human Nutrition, H, W-1002, Shultz, T.D.
- 3468 Surface Hydrophobicity and Functionality of Proteins in the Molten Globule State, CG, Powers, J.R., Dunkar, A.K., Swanson, B.G.
- 3505 Engineered Enzyme-Based Time Temperature Indications (TTIS) for Validating Food Pasteurization Processes, NRI, Rasco, B.A., Kang, D.H., Tang, J.
- 4118 Effect of Isomeric Conjugated Linoleic Acid Intake on Milk Fat Content and

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