

Monday Posters

<i>Session #</i>	<i>Poster Title</i>	<i>Poster #</i>
3580	Economic Impacts of Longer Lay Cycle: The Case of the Canadian Egg Industry	M001
3580	Consumer Acceptance of CRISPR: Evidence from Incentive-Aligned Online Experiments	M002
3580	Policies to Achieve Sustainability in the Colorado River Basin under Climate Change Conditions and Growing Demand: A Hydro-ec	M003
3580	Estimation of commodity-level demand elasticities across countries	M004
3580	Assessing the Impact of China's Granary County Subsidy Program on Grain Production	M005
3580	Meat Tax and Plant-based Meat Labeling: What do Consumers Prefer?	M006
3580	Spring frost and drought risk for perennial crops under changing climate conditions	M007
3580	Risk Assessment of "Three Rights Separation" Policy of Grassland in Pastoral Area of China Based on Entities' Behavior	M008
3580	The Effect of Place-based Agricultural Policy on Food Security	M009
3580	Triple benefits of repositioning agricultural supporting policy to promote the sustainable transformation of agrifood systems	M010
3580	The Role of Primary Factors and Households in the Transmission of Exchange Rate to Domestic Prices of Raw and Processed Food	M011
3580	Exploring U.S. Cannabis Markets: Estimating Cannabis Consumption by State and the Legal Share of Cannabis in California	M012
3580	The Effect of Asymmetric Information on Smallholders Participation and Net Income: Empirical Evidence from India	M013
3580	INCORPORATING UNCERTAINTY INTO USDA FARM INCOME FORECASTS	M014
3580	Impact of Market Sentiment around USDA Announcements on Agricultural Commodity Markets	M015
3580	Consumer Confusion Associated with the term "Milk" on Dairy and Non-Dairy Beverage Labels	M016
3580	An Economic Evaluation of Margin-Based Policy Programs	M017
3587	Side-Selling: Experimental Evidence from Mexico	M018
3587	Using Crop Insurance Pricing Framework to Calibrate Missing Agricultural Yields	M019
3587	Premium Rate Adequacy of Rainfall Index Insurance: Case of Cyclical Weather Pattern and Current Rating Methodology	M020
3587	Farmers Display More Risk Aversion in the Context of Agricultural Climate Adaptation than in General Lottery Experiments	M021
3587	Categorical Economic Policy Uncertainties and Tail Risk in Energy Markets: A Connectedness Analysis	M022
3587	Avoidance Behavior During Tropical Cyclones	M023
3587	Using Extreme Value Theory to Improve Knowledge and Decision Making of Low Probability Events.	M024
3589	The Complexity of the Decision-Making Process: Impacts of Key Priorities, Knowledge and Information Sources on Active Purchase	M025
3589	How Does Information Avoidance Determine the Effect of Information on Consumer Willingness to Pay: A Case Study on Genetica	M026
3589	Irrigator Endowment Effects vs. Non-pecuniary Benefits: Water Market Experiments in Washington State	M027
3589	Prices vs. Taxes: Evidence from household fuel consumption in India	M028
3589	Social Learning or Herd Behavior? —Evidence from A Behavioral Experiment on Emerging Genetically Modified Food in China	M029
3606	The Impact of Smart Subsidies on Agricultural Production: Innovative Evidence from Argentina Using Survey and Remote Sensing	M030
3606	Human-pets Bond	M031
3606	Bargaining with Promises in the Workplace	M032

3606	Do Messengers Matter in Conservation Practice Adoptions? Evidence from a Farmer Information Treatment	M033
3606	How information and messengers affect farmers' cover crop adoption. A field experiment	M034
3606	An Experimental Economics Approach to Valuing Land Prices	M035
3606	Risk Attitude and Preferences for Conservation Technologies and Practices	M036
3606	Labor market discrimination in Bangladesh: Experimental evidence from the job market of college graduates	M037
3616	Compiling Food Balance Sheet using detailed FAO Supply Utilization Accounting data to improve the understanding and modeling of	M038
3616	Between a Rock and a Hard Place: Food Waste or Overeating	M039
3616	Designing price policies to achieve a healthy and sustainable diet	M040
3616	Can Information Improve Visual Attention and Attribute Attendance to Sugar Content? Evidence from an Incentivized Beverage Choice	M041
3616	Economic Evaluation of Nutrition Education Interventions - A Biomarker-Based Approach	M042
3616	The Effect of Social Network on Food Security	M043
3616	Young generations' perception toward organic vegetables: A comparative cross-regional perspective in Vietnam	M044
3616	Designing a better carbon label for sustainable food consumption: insights from milk consumers from China's first-tier cities	M045
3616	Effects of Direct Grain Subsidies on Food Consumption of Rural Residents in China	M046
3616	How do consumers decide whether to discard food products? A best-worst scaling approach.	M047
3616	Effects of Food Stamp Program on Adolescent Non-Cognitive Skills	M048
3616	Convergence in Food Demand: Do Middle-income Countries Follow High-income Countries?	M049
3616	Food Consumption During the Pandemic and Implications for Diet Quality	M050
3616	Accounting for Consumer Heterogeneity in Food Addiction	M051
3616	The key role of labor market in assessing future climate impact on global agriculture	M052
3616	Addressing Soil Quality Data Gaps with Imputation: Evidence from Ethiopia and Uganda	M053
3616	Consumer preferences and WTP for value-added attributes of whole-grain foods: evidence from China	M054
3616	The War in Ukraine Disrupts Agricultural Value Chains, but Trade Policy Measures Can Mitigate the Impacts	M055
3616	Links between Household Agricultural Production Diversity, Food Price Volatility and Household Food Security: Evidence from Malawi	M056
3616	Fairness Expectations and Breastfeeding Duration in Rural Communities	M057
3616	Willingness to pay for meal kits among low-income households	M058
3616	The Effects of Weather on Nutrients Consumption	M059
3624	Commodity Price Shocks and Rural Mortality	M060
3624	Associations Between Syringe Services Program Laws, Human Immunodeficiency Virus, and Opioid Overdose During the COVID-19	M061
3624	Health Coverage and Farmworker Productivity	M062
3624	Chronic Disease Diagnosis and Smoking among Chinese Males—Is There a Moderating Role for Family Members?	M063
3624	Dietary Inequality in China: Trends and Determinants	M064
3624	Drivers of bushmeat hunting in areas of high risk of infectious disease spillover	M065
3624	Empirical estimation of non-linearities in the shared drivers of malnutrition in peri-urban India	M066

3624	Economic impact of point-of-care diagnostic testing on disease response for an African swine fever outbreak in the United States	M067
3624	Are Disease Equilibria Equivalent to Health Equilibria?	M068
3637	The Contribution of Workers, Workplaces, and Sorting to Wage Inequality in Mexico	M069
3637	One of Our Own: The Role of Identity and Political Connections in Public Employment	M070
3637	Consumption effects of increasing the availability of a nutritious food in the marketplace: Experimental evidence from Kenya	M071
3637	The Impacts of Violent Conflicts on Food Insecurity in Sub-Saharan Africa	M072
3637	Green Gold: Avocado Production and Conflict in Mexico	M073
3637	An Empirical Examination of the Relationship between Urbanization and Economic Growth in China	M074
3637	Impact of distant water fleet fishing on seafood market and livelihoods in developing countries: a study of the South China Sea	M075
3637	The potential for a service-facing structural transformation in Tanzania	M076
3637	Determinants of Private Agricultural R&D: Evidence from India	M077
3637	Welfare and Trade Effects of Brazil's Temporary Import Ban on Robusta Coffee	M078
3637	Sourcing Strategies of Nigerian Maize Traders in the Face of Multiple Risks	M079
3642	COVID impact on the U.S. Poultry Trade	M080
3642	Will China Remain a Major Corn Importer?	M081
3642	Trade Creation and Trade Diversion Effects Under IPEF	M082
3642	The Impact of TBT and SPS Measures on Chinese Firms' Decisions: From the Perspectives of Export Intensity and Market Scope	M083
3642	The impact of China's agricultural imports on origin countries' export potential	M084
3642	Impact of US Imports of Fresh Blueberries on Domestic Producers	M085
3642	Impact of Extreme Weather Events on the U.S. Interstate Trade and Food Supply Chain	M086
3642	The impact of private standards on agri-food firms' export performance: Evidence from China	M087
3642	The impact of increased ocean freight rates on soybean marketing margins between the United States and China during the post-C	M088
3642	Preferential Trading and Global Agri-food Value Chains	M089
3642	Foreign Trade Shocks and U.S. Farm Income	M090
3642	The Impact of the US-Farm Bills on the US's Peanuts Trade	M091
3646	The effect of invasive pests on food security: An understudied effect of climate change	M092
3646	Genetically Engineered Crops: The Cure or the Poison?	M093
3646	Organic Corn Production and Use on Organic Dairy Farms Compared to Conventional Farms: Evidence from 2021	M094
3646	Farmers' knowledge and farm productivity in rural Thailand and Vietnam	M095
3646	Quantifying the Economic Impacts of Electric Car Production	M096
3646	A positive math programming approach to analyze extensive and intensive margin changes under different phosphorus policies	M097
3646	Impact of high fertilizer prices and farmers' adaptation strategies	M098
3646	Capturing the critical agri-environmental linkages of livestock in the US: The example of the REAP model	M099
3646	What factors affect the decision to become a food processor and to specialize in cowpea processing? Evidence from Senegal	M100

3646	Allocative & technical efficiency of female-owned prepared millet SMEs in urban Senegal	M101
3650	Food Retail Configuration and Markups	M102
3650	Coordination and Efficiency of Drainage Investments in the U.S. Corn Belt	M103
3650	Industrial Robots and Firm Productivity: Evidence from China	M104
3650	The Impacts of Private Sector R&D on U.S. Agricultural Productivity Growth	M105
3650	Curing Citrus Greening: Implications along the Supply Chain	M106
3650	Economics of regional-scale production of short rotation woody crops on marginal cropland	M107
3650	Insecticide Use, Resistance, and the Billion-Dollar Bug: Evidence from Farmers' Management of US Corn Fields	M108
3652	Heterogenous Patterns of Crop Yield Growth Stagnation across U.S. Counties in the Next Decade	M109
3652	DYNAMICS OF GLOBAL AGRICULTURAL PRODUCTIVITY AND DEMOCRATIC GOVERNANCE STRUCTURE: LOOKING AT E	M110
3652	A Spatial Model of Crop Yield Distributions	M111
3652	Dynamic Patterns of Price Transmission in Single Index Arbitrage Models	M112
3652	Improving Macroeconomic Predictions for the ERS Baseline Projections	M113
3652	Predicting Food Prices Using Data from Consumer Surveys and Consumer Behaviors in Online Spaces	M114
3652	The Impact of the Regional Greenhouse Gas Initiative in Maryland: An Application of the Synthetic Control Method	M115
3652	Tax Incidence on Oklahoma Cropland and Pasture Rental Rates	M116
3654	How much are producers willing to pay for ecosystem services that promote soil health?	M117
3654	Disentangling Drivers of Rangeland Degradation in Mongolia: Herd Size versus Climate over 1985-2022	M118
3654	Differential Impacts Across Farmers of a Deforestation Ban in Eastern Paraguay	M119
3654	Payments from State Conservation Programs and Cover Crop Adoption	M120
3654	Community and Industrial Forest Concessions: are they effective at reducing forest loss and does FSC certification play a role?	M121
3654	Soil Carbon Costs of Crop Choices: The Case of 6 Major Crops in the US	M122
3654	The importance of utilization to the efficacy of climate mitigation through increased fuel reduction harvesting in forests of the northe	M123
3654	Deforestation and Agriculture	M124
3654	Optimal Management of Legacy Phosphorus	M125
3654	Canadian hunters' behavior change preferences based on perceived risk of zoonotic infection from wood bison.	M126
3654	Land use change implications of Power-to-Liquid Fuels	M127
3654	Effects of land conversion costs on modeling land use in CGE models	M128
3654	Global Food Security Implications of Fertilizer Price Growth and Supply Restrictions	M129
3654	The Impact of COVID-19 on Recreational Fishing in Long Island Sound	M130
<i>Tuesday Posters</i>		
3570	Dairy Farm Size Distributions: Patterns Over Time	T001
3570	Economic Impact of the 2022 Avian Influenza Outbreak on the US Food Industry	T002
3570	The Impact of Organic Farming on Nitrogen Balance in OECD Countries: Evidence from the Panel ARDL Framework	T003

3570	The Corporatization of Veterinary Medicine: An Empirical Analysis of Its Impact on Independent Practices	T004
3570	The Competitive Impact of Grocery Retailer Entry by Location and Store Types	T005
3570	Economic impacts from the loss of a dairy farm in Minnesota	T006
3570	Valuing the Positive Externalities of Pesticide Use: Lygus Bugs Control in the San Joaquin Valley of California	T007
3570	Uncovering Factors Associated with Price Ranges from Fed Cattle Negotiated Cash Sales using Machine Learning	T008
3570	Where's The End in Rising Tractor Prices	T009
3570	The welfare analysis: The impacts of Covid-19 on the U.S. salmon sector	T010
3570	Impact of Expansion of Microfinance Institutions (MFIs) on Agricultural Output	T011
3570	Household Food Waste Trending Upwards in the United States: Insights from a National Tracking Survey	T012
3570	Technology transfer: externalities and organized activism	T013
3570	A Demand System Estimation of Field Corn on China's Export Restriction: Using LA/AIDS Approach	T014
3570	Crop Choice and Nitrate Pollution in Groundwater	T015
3570	Is the willingness to pay for digital agricultural solutions reasonable for companies as well? : Using the Contingent valuation method	T016
3570	How communication affects the adoption of technologies in agriculture: a comparative study in the United States and Brazil	T017
3570	Can Indoor Agriculture farms achieve economic sustainability in urban areas through its revenue generating ability?	T018
3576	Valuing intangible capital in agribusinesses: A re-examination of the neoclassical theory of investment	T019
3576	Farm Sector Debt, Interest Expenses, Liquidity, and Solvency	T020
3576	Assessing digital opportunities for the distribution and product design of agricultural microinsurance	T021
3576	Impacts of Onshore Oil and Natural Gas Drilling and Extraction on U.S. Farm Loan Delinquencies During the Shale Boom	T022
3576	The effect of Farm Credit System mergers on agricultural banks: evidence from activity and markups	T023
3576	Smallholders' experiences with credit and financial institutions and their impact on long-term investment – the case of oil palm repla	T024
3576	Macroeconomic Factors and the Stock Prices of U.S. Hemp Firms	T025
3576	The impact of extreme weather on farm finance - evidence from Kansas	T026
3576	Default Rates and Client Household Characteristics of Microfinance Institution in Eastern India	T027
3576	Financial Well-being of Farm Households: A Theoretical Framework and Case Study	T028
3576	Value chain financing behavior of Nigerian maize traders	T029
3576	Community Engagement with Small and Mid-sized Farms: Findings from the Minnesota Statewide Cooperative Partnership Produc	T030
3592	What drives battery electric vehicle adoption? Willingness to pay to reduce emissions through vehicle choice	T031
3592	Revisiting land use efficiency in Brazilian Amazon: accounting for short-run and long-run efficiency	T032
3592	The Impact of Climate Change on Canadian Agriculture: A Parcel Level Ricardian Analysis	T033
3592	Adoption analysis of edge-of-field treatment wetlands in the Corn-Soy belt of the US: Application of TOA-MD and SIMPLE model cc	T034
3592	Improving Ecosystem Services from US Agriculture: Yield Reserve vs. Land Retirement	T035
3592	Heterogenous impact of Climate change on China's agriculture green total factor productivity	T036
3592	Climate-smart Agriculture and Food Security: Cross-country Evidence from West Africa	T037

3592	An Analysis of Optimal Converting Time for Fossil Fuel Subsidies	T038
3592	Current and Future Drivers of Food Insecurity in California's Central Valley	T039
3592	Climatic effects and U.S. agricultural productivity: Evidence and Prediction from crop yield and total factor productivity	T040
3592	An integrated Assessment Framework to Evaluate Conservation Practices' Environmental and Economic Benefits: A case for three	T041
3592	Refining Payments for Practice Changes on Agricultural Land: Lessons for GHG Abatement	T042
3592	Realized and elicited cooperation under water scarcity: evidence from a field experiment in Tanzania	T043
3592	Markup Dispersion, Industry Coverage, and the Cost of Environmental Regulation	T044
3592	Towards the assessment of climate change policies through a general equilibrium model: An application to Uruguay	T045
3592	How Have Renewable Portfolio Standards Affected Bioelectricity Generation? Evidence from Diff-in-Diff Analysis	T046
3592	Do Storm Emergency Alerts Save Lives?	T047
3592	The Impact of Water Quality Monitoring Network on County-Level Agricultural Development in China	T048
3592	Flood Risk Shocks, Flood Insurance, and Migration	T049
3592	FARC ceasefire and drinking water quality in Colombia	T050
3592	U.S. Herbicide Use, Regulatory Changes, and Climate-Smart Practice Adoption Among U.S. Corn and Soybean Producers	T051
3592	Excludability Information and Free-Riding in Stated and Real Charitable Donations	T052
3592	Rules versus Discretion in the Management of Environmental Systems: Evidence from the Operation of USACE Dams	T053
3592	Optimal palm oil cultivation: accounting for the risk of Ebola spillover in Africa	T054
3592	Land tenure security and the adoption of conservation agriculture in China	T055
3592	Agricultural biological GHG emissions: policy approaches to tackle the next hurdle in reducing global GHG emissions	T056
3592	Climate change and adaptation: Evidence from heat tolerance rice varieties in Japan	T057
3592	Dust and Food Security: some evidence from the Dust Belt in Asia	T058
3592	Carbon taxes on animal products in the United States – Emissions, revenue, and welfare	T059
3592	In Battle Against Invasive Species, Can Treatment be Worse than Disease?	T060
3592	Valuing Recreational Saltwater Fishing in Florida's Nature Coast Using a Travel Cost Method	T061
3592	The Effects of Unilateral or Bilateral GHG Policy of USA and EU on Agricultural Trade	T062
3592	Effects of Demand for Plant-Based Meat Substitutes on Environmental Outcomes	T063
3592	Is biomass co-firing a means to end or extend coal-based electricity production in the US? Evidence from a choice experiment	T064
3592	Cover Cropping and Yield Variability	T065
3592	Agriculture and Arsenic : Can over extraction of groundwater make us sick?	T066
3592	Hog production and Surface Water Quality: Evidence from the Foot-and-Mouth Disease Outbreak in Taiwan	T067
3592	An agroeconomic review of the IPCC Sixth Assessment Report (AR6) Scenario Database	T068
3609	Farm Milk Pricing and Seller Market Power in the U.S. Dairy Industry	T069
3609	Destination Categories, Store Choice, and Beer Distribution Laws	T070
3609	Nudging Chinese Consumers to Adopt Sustainable Milk Consumption: How Should Information Be Provided?	T071

3609	Price Premia of Non-GMO Certified Products in the United States	T072
3609	Demand for Plant-Based Meat and Cultivated Meat: Evidence from a Large Sample of U.S. Buyers	T073
3609	Comparison of preferences for cell-cultured product in the U.S., China and South Korea: An investigation of labeling effects	T074
3609	Non-Convergence of Futures and Cash Prices in Hog Markets	T075
3609	Implications of Livestream Food Product Promotion for Business-to-Consumer E-Commerce Platform Sales	T076
3609	Consumer Demand for Innovative Healthy Snack in the US	T077
3609	Who Gets a To-Go Box After Eating Out?	T078
3609	Estimating Willingness to Pay for Kale with Organic and Local Labels	T079
3609	Cannabis Price Movements across Distinct State Markets	T080
3609	Cattle Rancher Demand for Climate-Resilient Genetic Traits: The Case of Limangus Cattle in Argentina	T081
3609	An Analysis of Price Linkages in Construction Material Markets Using A Bayesian Additive Vector Autoregressive Tree Model	T082
3609	Economic effects of the introduction and expansion of plant-based milk on the consumption of dairy milk products	T083
3609	Weather, Wine and Prices	T084
3609	The Influence of Information on Consumer Beliefs and Preferences for Ground Beef	T085
3609	What Causes the Profits of Food Companies to Increase during an Inflation Period?	T086
3609	An Application of Causal Inference in the Role of Cold Storage Stocks, Capacity and Meat Prices in the Presence of Global Shocks	T087
3609	Shifting Food Lifestyle Patterns Among Food Consumers, 2020-2022	T088
3609	URBANIZATION AS A DRIVER OF CHANGING FOOD DEMAND STRUCTURE AND SUBSISTENCE CONSUMPTION	T089
3609	An empirical examination of rural market characteristics and performance in Zambia.	T090
3609	Consumer Evaluation of Organic, Local and CEA-grown Leaf Lettuce	T091
3609	The effect of information about a complex agricultural supply chain on consumers: The case of beef demand in Mexico	T092
3609	Firm Size and Employment Growth in Food Retailing	T093
3609	Loss Aversion and Reference Prices in Consumer Demand for Meat	T094
3609	A double perspective non-parametric efficiency analysis to maximize the value of feeder cattle sales	T095
3609	Retail Price Premia for Organic Milk	T096
3627	Employment Impact of the Minimum Wage Under Oligopsony Power	T097
3627	Maternal Migration and Children Development in Rural China: A Causal Analysis using Propensity Score Matching (PSM) and Baye	T098
3627	Looking for boy-girl discrimination using time-use data	T099
3627	Relaxing Migration Restrictions and Labor Reallocation	T100
3627	Context matters: Oil palm production and women's dietary diversity in the tropical forest of Cameroon	T101
3627	Do Double Majors Face Less Risk? An Analysis of Human Capital Diversification	T102
3627	Gender Differences in the Effect of High School Peers on College Major Choices: Evidence from Chile	T103
3627	Conflict and Agricultural Performance: Evidence from Myanmar	T104
3627	Rural-to-Urban Migration (RUM) and Women's Work in Nigerian Households	T105

3630	Can behavioural profiling explain smallholder farmers' adoption decisions of Conservation Agriculture-based Sustainable Intensification?	T106
3630	Got Milk? Exploring the link between women's decision-making in dairy production and welfare investments in boys vs. girls	T107
3630	The Impact of Demand-Driven Seasonal Agricultural Laborers on Local Communities	T108
3630	Does Mechanization Improve the Regional Economy? A County-Level Empirical Assessment from China	T109
3630	Socio-psychological factors affecting the adoption of sustainable land management practices in erosion-prone areas of South-eastern China	T110
3630	Assessing the Effectiveness of Climate-Smart Agriculture Rice Varieties in Flood-Prone Southern Bangladesh	T111
3630	Tenure Insecurity and the Continuum of Documentation in a Matrilineal Customary System	T112
3630	Impacts of People's Risk Preference on Their Willingness to Adopt New Post-Harvest Storage Technology	T113
3630	Armed Conflict, COVID-19 Pandemic, and Food Security: Evidence from Iraq	T114
3630	The effects of disability on households' economic livelihoods and chronic poverty in Vietnam	T115
3630	Can honey production serve as a coping strategy for coffee producers? Evidence from Mexico	T116
3630	A New Global Dataset of Agricultural Energy Consumption by Country, Fuel, and End-Use	T117
3630	The Impact of Telescoping Bias on Income and Price Elasticities	T118
3630	Livelihood Strategies and Food Insecurity during Covid-19 Pandemic among Wetland Communities: Evidence from a Rural Household in Bangladesh	T119
3630	Rural Off-Farm Employment Opportunities and Nutrient Availability in Ghana: country wide evidence	T120
3630	Temperature and intimate partner violence: Evidence from Sub-Saharan Africa	T121
3630	On Measuring Climate Impact on Fertilizer Adoption: Evidence from Nigeria	T122
3630	The Effects of the broadband village pilot program on rural household income in China?	T123
3630	Technology adaptation to climate change: Evidence from German seed growers	T124
3659	Rural Community Determinants of Veterinary Practice Longevity	T125
3659	Investigating Sea Level Rise and Saltwater Intrusion on Harvest Acreage in North Carolina	T126
3659	Digital Village Construction and Rural Income Structure: Evidence from Peking University Digital Village Index and China Household Income Project	T127
3659	An Examination of Persistent Poverty and Heirs' Property in the United States	T128
3659	Impact of vocational training programs on household welfare in India	T129
3659	Nonlinear Off-Farm Migration Behavior in China	T130
3659	Spillover effect in the EdTech Intervention: Experimental Evidence from a Primary School in Rural China	T131
3659	Spatial Growth and Convergence in Indian Agriculture	T132
3659	Investigating Agricultural Involvement of the Ultra-Poor Rural Households in North-Central Nigeria and how Conditional Cash Transfers Affect Their Involvement	T133
3663	How COVID-19 has changed consumer purchasing patterns in the horticultural industry	T134
3663	New Approaches to College Student Time Allocation	T135
3663	Factors differentiating small scale farm operators' reliance on risk planning information using signal detection for decisions under uncertainty	T136