

BARD Approved Projects
2017 - 2020
Agric Economics and Rural Development

6/8/2020

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US-4986-17F	Assessing the economics of processed natural resources - the case of seaweed			App. Duration: 1 year
	Zilberman, D.	UC, Berkeley	CA	
	Palatnik, R.	Yezreel Valley College		
	Golberg, A.	Tel Aviv U		
IS-5150-19	Climate change and the dairy sector in Israel and the US			App. Duration: 1 year
	Fishman, R.	Tel Aviv U		
	Frank, E.	U Chicago	IL	
	Kimhi, A.	Hebrew U		
US-5231-20CR 4986 5152	Sustainable agriculture: The case of macroalgal-based circular economy			App. Duration: 3 years
	Zilberman, D.	UC, Berkeley	CA	
	Palatnik, R.	Yezreel Valley College		
	Golberg, A.	Tel Aviv U		

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Agric Innovation and Engineering

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US-4991-17	Using remote sensing to develop dynamic irrigation management zones		App. Duration: 3 years
	Snider, J.L.	U Georgia	GA
	Cohen, Y.	ARO, Min. Ag.	
	Vellidis, G.	U Georgia	GA
	Saranga, Y.	Hebrew U	
	Porter, M.	U Georgia	GA
	Perry, C.	U Georgia	GA
	Liakos, V.	U Georgia	GA
	Levi, A.	ARO, Min. Ag.	
	Shaked, B.	ARO, Min. Ag.	
	Rosenfeld, L.	ARO, Min. Ag.	
	Lidor, G.	ARO, Min. Ag.	
	Keisar, O.	ARO, Min. Ag.	
IS-5060-18	Dual mode detection of heavy metal pollutants: A real-time biosensing method		App. Duration: 1 year
	Shtenberg, G.	ARO, Min. Ag.	
	Minteer, S.D.	U Utah	UT
IS-5154-19	Advanced framework for optimizing irrigation management and improving resource use efficiency		App. Duration: 3 years
	Linker, R.	Technion	
	Kisekka, I.	UC, Davis	CA
US-5236-20	Open field agrivoltaics with an innovative spectral beam splitting solar collector		App. Duration: 3 years
	Hernandez, R.	N Carolina St. U	NC
	Vitoshkin, H.	ARO, Min. Ag.	
	Kribus, A.	Tel Aviv U	
	Mittelman, G.	ARO, Min. Ag.	

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Animal Health and Invasive Species

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IS-5001-17C 4576	A proteomics and transcriptomics study into Myxozoan parasite infection mechanisms Lotan, T. U Haifa Atkinson, S. Oregon St. U OR Bartholomew, J. Oregon St. U OR	App. Duration: 3 years
IS-5005-17R 4904	Novel vaccination strategies to combat chicken arthritis/tenosynovitis reoviruses in US and Israel Lublin, A. Isr. Vet. Inst. Goyal, S.M. U Minnesota MN Porter, E. U Minnesota MN Ly, H. U Minnesota MN Farnoushi, Y. Isr. Vet. Inst. Mor, S. U Minnesota MN	App. Duration: 3 years
IS-5066-18R 5004	Identification of virulence mechanisms in mammary pathogenic <i>Mycoplasma bovis</i> using unbiased whole genome random mutagenesis Lysnyansky, I. Isr. Vet. Inst. Almeida, R. U Tennessee, TN Knoxville Shpigel, N. Hebrew U Kerro-Dego, O. U Tennessee, TN Knoxville	App. Duration: 3 years
IS-5067-18	Treatment and prevention of mastitis in dairy cows using cell based therapy Schlesinger, S. Hebrew U Lippolis, J.D. USDA, ARS IA Shpigel, N. Hebrew U	App. Duration: 2 years
US-5157-19	Identification, characterization and testing of geographically conserved <i>Babesia bovis</i> vaccine antigen candidates Ueti, W. USDA, ARS WA Leszkowicz Mazuz, M. Isr. Vet. Inst.	App. Duration: 1 year
IS-5241-20	Beta-glucans as growth promoters and antibiotic alternatives in poultry Schwartz, B. Hebrew U Vetvicka, V. U Louisville KY Rozenboim, I. Hebrew U	App. Duration: 3 years
IS-5242-20	Development of <i>Salmonella</i> sensing-based antibacterials for use in poultry Mills, E. Hebrew U Petersen, E.M. E Tenn State TN	App. Duration: 3 years

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Animal Production

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IS-4995-17R	Use of plant based biofilters to create sustainable mariculture systems	App. Duration: 3 years
4981	<p>Guttman, L. Isr. Ocean. Res.</p> <p>Main, K. L. Mote FL</p> <p>Brennan, N. Mote FL</p> <p>Tarnecki, A. Mote FL</p> <p>Shpigel, M. Isr. Ocean. Res.</p>	
US-4997-17	Genetic analyses of recombination and PRDM9 alleles and their implications in dairy cattle breeding	App. Duration: 3 years
	<p>Liu, G. USDA, ARS MD</p> <p>Seroussi, E. ARO, Min. Ag.</p> <p>Ma, L. U Maryland MD</p>	
US-5000-17R	Genotypes and phenotypes of telomere length in Holstein cattle: Actors or reporters	App. Duration: 3 years
4897	<p>Dechow, C.D. Penn State U PA</p> <p>Shabtay, A. ARO, Min. Ag.</p> <p>Tzfati, Y. Hebrew U</p> <p>Ott, T. Penn State U PA</p> <p>Soller, M. Hebrew U</p> <p>Liu, W. Penn State U PA</p> <p>Cohen-Zinder, M. ARO, Min. Ag.</p> <p>Lipkin, E. Hebrew U</p>	
US-5074-18CR	Modulating intestinal cellular maturation and differentiation in broilers by in ovo feeding	App. Duration: 3 years
4113	4992	
	<p>Wong, E.A. Virginia Tech VA</p> <p>Uni, Z. Hebrew U</p>	
IS-5077-18R	The regulation of size related division of labor in a key pollinator and its impact on crop pollination efficacy	App. Duration: 3 years
5003	<p>Bloch, G. Hebrew U</p> <p>Woodard, H.S. UC, Riverside CA</p>	
IS-5078-18	Characterization of the architecture of hygienic behavior of honeybees to enable breeding for improved honeybee health	App. Duration: 3 years
	<p>Soroker, V. ARO, Min. Ag.</p> <p>Rueppell, O. U NC Greensboro NC</p>	
IS-5164-19	Mechanisms involved in pregnancy loss and maintenance of the corpus luteum during second month of gestation in lactating dairy cows	App. Duration: 3 years
	<p>Moallem, U. ARO, Min. Ag.</p> <p>Wiltbank, M.C. U Wisconsin WI</p>	

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US-5165-19	Utilization of fish processing waste enriched by fermentation in aquafeeds for fish of importance to Israel and USA	App. Duration: 3 years
	Dabrowski, K. Ohio St. U OH	
	Harpaz, S. ARO, Min. Ag.	
	Jimenez-Flores, R. Ohio St. U OH	
	Cnaani, A. ARO, Min. Ag.	
IS-5167-19	The role of the endocannabinoid system in regulating adipose tissue lipolysis and remodeling in postpartum dairy cows	App. Duration: 3 years
	Zachut, M. ARO, Min. Ag.	
	Contreras, A. Michigan St. U MI	
	Tam, J. Hebrew U	
IS-5248-20	EGF/EGFR signaling in the southern flounder male reproductive system and its role in regulating sperm motility and fertility	App. Duration: 3 years
	Aizen, Y. Ruppin Academic Center	
	Thomas, P. U Texas at Austin TX	
IS-5257-20CF 4899	Feasibility Study: Using <i>in vitro</i> embryo production and gene editing to study embryology in sheep	App. Duration: 1 year
	Gershon, E. ARO, Min. Ag.	
	Ealy, A. Virginia Tech VA	

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Crop Health and Invasive Species

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IS-5023-17C 4734	Bacterial fruit blotch: Elucidating the mechanisms of fruit infection by <i>Acidovorax citrulli</i> Burdman, S. Hebrew U Walcott, R. U Georgia GA Zhao, B. Virginia Tech VA Welbaum, E. Virginia Tech VA	App. Duration: 3 years
IS-5024-17R 4944	Identifying unique and overlapping roles of reactive oxygen species in rice blast and Southern corn leaf blight Horwitz, B. Technion Donofrio, M. U Delaware DE	App. Duration: 3 years
IS-5027-17C 4513	The role and control of the RNA-dependent RNA polymerase 1 gene family in cucumber virus defense Gal-On, A. ARO, Min. Ag. Ding, S.W. UC, Riverside CA	App. Duration: 3 years
US-5029-17	Systems biology approaches to dissect virus-host interactions to develop crops with broad-spectrum virus resistance Wang, X.F. Virginia Tech VA Schuldiner, M. Weizmann Inst.	App. Duration: 3 years
IS-5033-17	Small molecule cocktails designed to impair virulence targets in soft rot <i>Erwinias</i> Yedidia, I. ARO, Min. Ag. Charkowski, A.O. Colorado St. U CO Senderowitz, H. Bar Ilan U	App. Duration: 3 years
IS-5085-18	Targets for CRISPR/Cas9-mediated gene drive in <i>Bemisia tabaci</i>: A strategy for controlling a global pest Morin, S. Hebrew U Walling, L.L. UC, Riverside CA Atkinson, P.W. UC, Riverside CA Li, J. UC, Riverside CA Tabashnik, B.E. U Arizona AZ	App. Duration: 3 years
IS-5087-18R 5025	Cloning and characterization of a novel leaf rust and stripe rust resistance gene from Sharon goatgrass Minz-Dub, A. Tel Aviv U Muehlbauer, G.J. U Minnesota MN Millet, E. Tel Aviv U Sharon, A. Tel Aviv U	App. Duration: 3 years
US-5089-18	Cloning and comparative sequence analysis of powdery mildew and leaf rust resistance gene complements in wild barley Steffenson, B.J. U Minnesota MN Mayrose, I. Tel Aviv U Muehlbauer, G.J. U Minnesota MN Sharon, A. Tel Aviv U	App. Duration: 3 years

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US-5090-18F	Novel nematode-derived insecticidal proteins for pest control	App. Duration: 1 year
	Dillman, A.R. UC, Riverside CA Ment, D. ARO, Min. Ag.	
IS-5092-18R	Identifying molecular markers for defense metabolites against aphid feeding in wild emmer wheat	App. Duration: 3 years
5035	Tzin, V. Ben Gurion U Dilkes, B. Purdue IN Sela, H. Tel Aviv U	
IS-5177-19	Cutting edge culture independent pipeline for detection of novel anti-fungal plant protection compounds in suppressive soils	App. Duration: 1 year
	Cytryn, E. ARO, Min. Ag. Brady, S.F. U Rockefeller NY Frenkel, O. ARO, Min. Ag.	
US-5179-19	Elucidating the role of microbiome in host plant colonization and foraging of invasive fruit flies	App. Duration: 3 years
	Wong, A. U Florida FL Jurkevitch, E. Hebrew U Yuval, B. Hebrew U	
IS-5180-19	Developing synthetic sex ratio distorters for the genetic control of the Mediterranean fruit fly and the New World screwworm	App. Duration: 3 years
	Papathanos, P. Hebrew U Scott, M.J. N Carolina St. U NC	
US-5182-19R	The impacts and underlying mechanisms of carbon dioxide narcosis in bumble bees	App. Duration: 3 years
5070	Amsalem, E. Penn State U PA Levin, E. Tel Aviv U Schilder, R. Penn State U PA	
IS-5183-19	New formulation for biopesticides based on single cell encapsulation via pickering emulsions	App. Duration: 3 years
	Mechrez, G. ARO, Min. Ag. Shapiro-Ilan, D. USDA, ARS GA Ment, D. ARO, Min. Ag.	
IS-5261-20C	The role of Botrytis necrosis-inducing proteins as plant immunogens, and their potential use in plant protection	App. Duration: 3 years
4937	Sharon, A. Tel Aviv U Mengiste, T.D. Purdue IN	
US-5264-20	Elucidating how durable disease resistance curtails fungal infection in maize using deep-learning facilitated microscopy	App. Duration: 3 years
	Wisser, R.J. U Delaware DE Horwitz, B. Technion	

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US-5265-20	Gene discovery to enhance potato resistance to Colorado potato beetle			App. Duration: 3 years
	Jander, G.	Boyce Thompson	NY	
	Aharoni, A.	Weizmann Inst.		
IS-5270-20R	Targeting the structural Glycoprotein N (Gn) of Tomato Spotted Wilt Virus (TSWV) to inhibit virus acquisition by thrips			App. Duration: 3 years
⁵¹⁷⁶	Dessau, M.	Bar Ilan U		
	Whitfield, A.E.	N Carolina St. U	NC	
IS-5274-20	Elucidating the cross-talk between root microstructure and soilborne pathogens			App. Duration: 1 year
	Kleiman, M.	ARO, Min. Ag.		
	Iyer-Pascuzzi, A.S.	Purdue	IN	
IS-5276-20	Dissecting genetic resistance to Tomato brown rugose fruit virus (ToBRFV), the emerging tomato pathogen			App. Duration: 3 years
	Lapidot, M.	ARO, Min. Ag.		
	Citovsky, V.	NYSU, Stony Brook	NY	

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US-5009-17	Cucumis fruit surface biology: Genetic analysis of fruit exocarp features in melon (<i>C. melo</i>) and cucumber (<i>C. sativus</i>)	App. Duration: 3 years
	Grumet, R. Michigan St. U MI	
	Schaffer, A. ARO, Min. Ag.	
	Barry, C. Michigan St. U MI	
	Burger, J. ARO, Min. Ag.	
	Gur, A. ARO, Min. Ag.	
	Tadmor, Y. ARO, Min. Ag.	
	Petreikov, M. ARO, Min. Ag.	
IS-5010-17	Improving fleshy fruit set by dissecting the AGL6 regulatory pathway	App. Duration: 3 years
	Arazi, T. ARO, Min. Ag.	
	Grotewold, E. Michigan St. U MI	
IS-5020-17	The molecular dissection of the crop maturation trait in peanut	App. Duration: 3 years
	Hovav, R. ARO, Min. Ag.	
	Ozias-Akins, P. U Georgia GA	
IS-5103-18R	Engineering parthenocarpic fruit production in tomato	App. Duration: 3 years
4922		
	Ori, N. Hebrew U	
	Reed, J.W. U No. Carolina NC	
IS-5106-18R	Exploring the polyembryonic seed trait in mango as a basis for a biotechnology platform for fruit tree crops	App. Duration: 3 years
5008		
	Sherman, A. ARO, Min. Ag.	
	Goenaga, R. USDA, ARS FL	
	Cohen, Y. ARO, Min. Ag.	
	Ophir, R. ARO, Min. Ag.	
	Kuhn, D.N. USDA, ARS FL	
US-5112-18	Regulation of plant transpiration by carbohydrate availability	App. Duration: 3 years
	Holbrook, N.M Harvard U MA	
	Sperling, O. ARO, Min. Ag.	
	Ben-Gal, A. ARO, Min. Ag.	
	Hochberg, U. ARO, Min. Ag.	
IS-5116-18	Increasing the spectrum of genetic variation accessible for wheat breeding by using loss-of-function mutants of anti-recombination genes	App. Duration: 3 years
	Korol, A.B. U Haifa	
	Akhunov, E. Kansas St. U KS	
IS-5120-18C	Fine tuning the shoot and inflorescence architectures for improved tomato yield	App. Duration: 3 years
4818		
	Eshed, Y. Weizmann Inst.	
	Lippman, Z.B. Cold Spring Harbor NY	

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IS-5188-19C 4744	Genetic dissection of yield components in wheat using Pangenome and association study Distelfeld, A. U Haifa Poland, J. Kansas St. U KS Sela, H. Tel Aviv U	App. Duration: 3 years
US-5191-19C 4916	Validation of candidate genes for a QTL responsible for water stress tolerance and their diversity in wheat Dubcovsky, J. UC, Davis CA Fahima, T. U Haifa	App. Duration: 3 years
IS-5195-19R 5104	Developing new rooting enhancers and strategies for root regeneration from cuttings of pecan (Carya Illinoensis) mature root-stocks Sadot, E. ARO, Min. Ag. Blancaflor, E.B. Noble Research Institute, LLC OK Weinstain, R. Tel Aviv U Rohla, C. Noble Research Institute, LLC OK	App. Duration: 3 years
IS-5196-19	Genetic and physiological dissection of novel grain protein content QTLs from wild emmer wheat for nutritional improvement of wheat grains Krugman, T. U Haifa Beckles, M. UC, Davis CA Bloom, A.J. UC, Davis CA	App. Duration: 3 years
US-5202-19	Elucidating and manipulating the CLAVATA-WUSCHEL circuit in cotton to understand meristem homeostasis in relation to fruit size and shape Ayre, B.G. U No. Texas TX Eshed-Williams, L. Hebrew U Van der Knaap, E. U Georgia GA	App. Duration: 3 years
IS-5205-19	A general platform for designing synthetic operons for production of biofuels and other foreign pathways in algal chloroplasts Yacoby, I. Tel Aviv U Barkan, A. U Oregon OR	App. Duration: 3 years
IS-5283-20	Understanding the interplay between TYLCV resistance and heat tolerance in tomato Gorovits, R. Hebrew U Strickler, S.R. Boyce Thompson NY Czosnek, H.H. Hebrew U Menda, N. Boyce Thompson NY	App. Duration: 3 years

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IS-5284-20	Comparative genomic and genetic analyses of carbohydrate accumulation in winter squash and melon fruit	App. Duration: 3 years
	Gur, A. ARO, Min. Ag.	
	Mazourek, M. U Cornell NY	
	Burger, J. ARO, Min. Ag.	
	Tadmor, Y. ARO, Min. Ag.	
	Schaffer, A. ARO, Min. Ag.	
IS-5288-20	Incorporation winter tree physiology into forecast-models of orchards bloom and yield	App. Duration: 3 years
	Paz-Kagan, T. ARO, Min. Ag.	
	Zwieniecki, M. UC, Davis CA	
	Sperling, O. ARO, Min. Ag.	
IS-5292-20R	Next-generation basil: Mapping chilling-tolerance in sweet basil	App. Duration: 1 year
⁵¹⁹²	using next-generation sequencing for a long-lasting product	
	Gonda, I. ARO, Min. Ag.	
	Simon, J.E. Rutgers NJ	
	Dudai, N. ARO, Min. Ag.	
	Wyenandt, C.A. Rutgers NJ	
	Kenigsbuch, D. ARO, Min. Ag.	
	Faigenboim, A. ARO, Min. Ag.	

BARD Approved Projects
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Environment/Water/Renewable Resources

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US-5046-17R	Metabolic network approaches for deciphering microbial functions in amendment-based solutions for soil-borne disease suppression	App. Duration: 3 years
4966	<p>Mazzola, M. USDA, ARS WA</p> <p>Freilich, S. ARO, Min. Ag.</p> <p>Faigenboim, A. ARO, Min. Ag.</p>	
US-5051-17	Energy, nutrient and water recovery from dairy waste	App. Duration: 3 years
	<p>Jassby, D. UCA, Los Angeles CA</p> <p>Gross, A. Ben Gurion U</p> <p>Walker, S. UC, Riverside CA</p> <p>Tester, J. W. U Cornell NY</p>	
IS-5124-18	Risk of soil erosion by water estimated with remotely-sensed rainfall data, process-based models and weather generators	App. Duration: 3 years
	<p>Morin, E. Hebrew U</p> <p>Goodrich, D.C. USDA, ARS AZ</p> <p>Assouline, S. ARO, Min. Ag.</p> <p>Nearing, M. USDA, ARS AZ</p> <p>Argaman, E. ARO, Min. Ag.</p> <p>Guertin, D.P. U Arizona AZ</p> <p>Hernandez, M. USDA, ARS AZ</p>	
IS-5125-18R	Increasing water availability through agricultural groundwater recharge	App. Duration: 3 years
5049	<p>Furman, A. Technion</p> <p>Dahlke, H.E. UC, Davis CA</p> <p>Weisbrod, N. Ben Gurion U</p> <p>Raveh, E. ARO, Min. Ag.</p>	
IS-5130-18	Distributed UV LEDs for combined control of fouling of drip emitters and disinfection during irrigation with reclaimed wastewater effluent	App. Duration: 3 years
	<p>Friedler, E. Technion</p> <p>Linden, K.G. U of Colorado, CO</p> <p style="padding-left: 40px;">Boulder</p>	
US-5135-18C	In planta transformation of wastewater-derived contaminants	App. Duration: 3 years
4771	<p>Pedersen, J.A. U Wisconsin WI</p> <p>Shenker, M. Hebrew U</p> <p>Chefetz, B. Hebrew U</p> <p>Roback, S. UCA, Irvine CA</p>	
IS-5209-19	Integrated wastewater treatment process for recovering high-quality irrigation water and nutrients	App. Duration: 3 years
	<p>Bernstein, R. Ben Gurion U</p> <p>Shihong, L. Vanderbilt U TN</p> <p>Nir, O. Ben Gurion U</p>	

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Environment/Water/Renewable Resources

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IS-5212-19R	Root exudates and rhizosphere nutrient transport: Improving plant nutrient-uptake models	App. Duration: 3 years
5128	Schwartz, N. Hebrew U Neumann, R.B. U Washington WA	
IS-5218-19	Spatiotemporal decision support systems for recognizing variability and managing precision irrigation	App. Duration: 3 years
	Ben-Gal, A. ARO, Min. Ag. O'Shaughnessy, S. USDA, ARS TX Cohen, Y. ARO, Min. Ag. Colaizzi, P. USDA, ARS TX Moorhead, J.E. USDA, ARS TX Yasuor, H. ARO, Min. Ag. Hansen, N. Brigham Young U UT Hopkins, B. Brigham Young U UT Heaton, M. Brigham Young U UT Kerry, R. Brigham Young U UT Jensen, R.R. Brigham Young U UT	
IS-5221-19	Integrated solution systems development for precision fertilizer management	App. Duration: 3 years
	Litaor, M. MIGAL R&D Ippolito, J. Colorado St. U CO Shir, O. MIGAL R&D Liran, O. MIGAL R&D Reichman, O. MIGAL R&D Khosla, R. Colorado St. U CO Whitley, D.L. Colorado St. U CO	
IS-5299-20	smaRt dEsalination System fOr sUstainable agRiCultural usE (RESOURCE)	App. Duration: 3 years
	Lazarovitch, N. Ben Gurion U Cohen, Y. UCA, Los Angeles CA Gilron, J. Ben Gurion U Tripler, E. Central & Northern Arava R&D	
IS-5304-20	Optimal irrigation strategies informed by direct tree-water storage measurements	App. Duration: 3 years
	Mau, Y. Hebrew U Bohrer, G. Ohio St. U OH	
IS-5315-20	Integrating water treatment with nutrient utilization in intensive aquaculture by a new microaerophilic membrane assimilation reactor system	App. Duration: 3 years
	Bar-Zeev, E. Ben Gurion U Perreault, F. Arizona St. U AZ Herzberg, M. Ben Gurion U Zilberg, D. Ben Gurion U	

BARD Approved Projects
2017 - 2020
Food Product-Safety, Security, Quality

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IS-5038-17C 4864	Postharvest sweetening of potato seed tubers and effects on their yield performance Eshel, D. ARO, Min. Ag. Jiang, J. Michigan St. U MI	App. Duration: 3 years
IS-5040-17	Microbial networks on harvested apples and the design of antagonistic consortia to control postharvest pathogens Droby, S. ARO, Min. Ag. Dardick, C. USDA, ARS NY Freilich, S. ARO, Min. Ag. Norelli, J.L. USDA, ARS WV Faigenboim, A. ARO, Min. Ag. Wisniewski, M.E. USDA, ARS WV	App. Duration: 3 years
IS-5042-17C 4773	Mechanisms governing the global regulation of mycotoxin production and pathogenicity by <i>Penicillium expansum</i> in postharvest fruits Sionov, E. ARO, Min. Ag. Keller, N.P. U Wisconsin WI Barad-Kotler, S. ARO, Min. Ag.	App. Duration: 3 years
IS-5143-18R 5041	New insights into apple calcium application: Understanding its contradicting effects on postharvest disorders for improved fruit quality Gamrasni, D. MIGAL R&D Kalsits, L. WA State U WA Ziv, C. ARO, Min. Ag. Friedman, H. ARO, Min. Ag.	App. Duration: 3 years
IS-5146-18	Green nature inspired nano-sanitizers for enhancing safety of ready-to-eat fruits and vegetables Poverenov, E. ARO, Min. Ag. Demokritou, P. Harvard U MA Luo, Y. USDA, ARS MD Rodov, V. ARO, Min. Ag.	App. Duration: 3 years
US-5222-19	Application of metagenomic approaches to examine the virome in recycled waters for safe and sustainable reuse in irrigation Betancourt, W.Q. U Arizona AZ BarOr, I. Sheba - Tel Hashomer Zuckerman, N.S. Sheba - Tel Hashomer Bright, K.R. U Arizona AZ	App. Duration: 3 years

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Food Product-Safety, Security, Quality

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IS-5223-19C 4125	Enhancement of tomato flavor by upregulating the mono- and sesquiterpene biosynthetic pathways using genes from wild tomato relatives		App. Duration: 3 years
	Lewinsohn, E.	ARO, Min. Ag.	
	Dudareva, N.	Purdue	IN
	Sitrit, Y.	Ben Gurion U	
	Schaffer, A.	ARO, Min. Ag.	
IS-5317-20C 5038	Cold induced sweetening as a trigger for endodormancy release of potato seed tubers		App. Duration: 3 years
	Eshel, D.	ARO, Min. Ag.	
	Jiang, J.	Michigan St. U	MI
IS-5321-20C 4783	The genetic basis for postharvest chilling tolerance in tomato fruit		App. Duration: 3 years
	Lers, A.	ARO, Min. Ag.	
	Foolad, M.R.	Penn State U	PA
	Fallik, E.	ARO, Min. Ag.	
IS-5323-20C 5042	Epigenetic mechanisms controlling mycotoxin biosynthesis and pathogenesis in the plant pathogen <i>Penicillium expansum</i>		App. Duration: 3 years
	Sionov, E.	ARO, Min. Ag.	
	Keller, N.P.	U Wisconsin	WI