BARD Approved Projects Years 2022 - 2025

NI-8070-22	**Production of plant natural products in wheat** *A. Sharon: U Tel Aviv , H. Maeda: U Wisconsin , D. Shalitin: PlantArcBio*	Approved: ₪181,118 *USDA,NIFA-BARD-IIA*
NI-8071-22	**Active biodegradable food packaging from bio-waste of altern** *E. Poverenov: ARO, Min. Ag. , E. Almenar: U Michigan St. , V. Rodov: ARO, Min. Ag. , A. Galili: Juran*	Approved: ₪288,000 *USDA,NIFA-BARD-IIA*
NI-8072-22	**Development of markers and genetic material against pod dise** *R. Hovav: ARO, Min. Ag. , S. Bertioli: U Georgia , A. Einstein: Yaham*	Approved: ₪311,397 *USDA,NIFA-BARD-IIA*
NI-8073-22	**Development of postbiotic drinking water feed supplement** *M. Shemesh: ARO, Min. Ag. , A. Upadhay: U Connecticut , N. Zur: Ambar Feed Mill*	Approved: ₪274,319 *USDA,NIFA-BARD-IIA*
NI-8074-22	**NEW INSIGHTS INTO BEEF QUALITY DEVELOPMENT** *O. Tirosh: U Hebrew , D. Gerrard: Virginia Tech , I. Gross: Adom Adom*	Approved: ₪302,899 *USDA,NIFA-BARD-IIA*
NI-8075-22	**Role Of the Gut Microbiota on The Beneficial Effects of The Vegetable Urtica Dioica as A Functional Food** *J. Gorelick: Eastern R&D Center , A. Rubin: U Duke , Z. Madar: U Hebrew , Y. Maor: Phytor*	Approved: ₪405,795 *USDA,NIFA-BARD-IIA*
NI-8076-22	**Protecting bumble bees from viral infections in the pollen** *H.Y. Shpigler: ARO, Min. Ag. , D. Swale: U Florida , E. Zohar: BioBee Sde Eliyahu , K. Weil: Pollination Services Yad-Mordechai*	Approved: ₪283,586 *USDA,NIFA-BARD-IIA*
NI-8077-22	**Einkorn wheat: A new crop and wheat breeding** *T. Fahima: U Haifa , V.K. Tiwari: U Maryland , A. Meromi: Sunny-Me Seeds LTD*	Approved: ₪295,494 *USDA,NIFA-BARD-IIA*
NI-8078-23	**Breeding-by-Design 2.0 for fruit quality in melon via genome** *A. Gur: ARO, Min. Ag. , M. Mazourek: U Cornell , T. Sherman: BETTERSEEDS*	Approved: ₪345,924 *USDA,NIFA-BARD-IIA*
NI-8079-23	**High quality wheat grains for local and regional food** *R. Ben-David: ARO, Min. Ag. , M. Giroux: U Montana St. , A. Amram: Dalia seed Company*	Approved: ₪360,984 *USDA,NIFA-BARD-IIA*

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NI-8080-23	**Optical sensor based on SWCNTs/CDs – peptides embedded in bi** *O. Shoseyov: U Hebrew , Q. Zhang: U WA State , D. Weiss: Wonder Veggie*	Approved: ₪299,646 *USDA,NIFA-BARD-IIA*
NI-8081-23	**Biosensor for antibiotic resistant bacterial Detection** *E. Cytryn: ARO, Min. Ag. , M. Soupir: U Iowa St. , S. Vernick: ARO, Min. Ag. , Y. Biton: Binata*	Approved: ₪298,611 *USDA,NIFA-BARD-IIA*
NI-8082-24	**Gene editing technology for speedy development of tomato and pepper varieties with the trait of fruit dehydration** *Bocobza: ARO, Min. Ag. , J.K. Rose: U Cornell , A. Goldshmidt: ARO, Min. Ag. , A. Schaffer: ARO, Min. Ag. , M. Bar: INDEPENDENT*	Approved: ₪298,278 *USDA,NIFA-BARD-IIA*
NI-8083-24	**Dual-action conjugates of phytochemicals for sustainable control of pectobacteria infections in potato and vegetables** *I. Yedidia: ARO, Min. Ag. , M. Arif: U Hawaii , Z. Kerem: U Hebrew , H. Senderowitz: U Bar Ilan , G. Sharabani: COPIA Agro and Food Technologies L.P*	Approved: ₪446,837 *USDA,NIFA-BARD-IIA*
NI-8084-24	**Novel Pepper Lines With Improved Long-Term Cold Storage Resilience and Nutrition** *A. Goldshmidt: ARO, Min. Ag. , D. Lozada: U New Mexico St. , M. Bar: INDEPENDENT*	Approved: ₪303,376 *USDA,NIFA-BARD-IIA*
NI-8085-24	**Natural carriers for controlled delivery of hydrolyzable tannins into beverages** *A. Elmann: ARO, Min. Ag. , S. Talcott: U Texas A&M , M. Uzan: The Central Bottling Company CBC*	Approved: ₪298,730 *USDA,NIFA-BARD-IIA*
NI-8086-24	**Sustainable Management of Varroa mite in Honey Bee Colonies** *N. Eliash: Shamir Res. Inst. , R. Johnson: U Ohio St. , O. Malka: Gaza Envelope R&D , A. Einav: ToBe Innovations*	Approved: ₪381,258 *USDA,NIFA-BARD-IIA*
NI-8087-24	**Enhancing Nutritional Quality and Food Safety of Spinach via Elicitation of Plant Secondary Metabolites** *J. Gorelick: Eastern R&D Center , S. Micallef: U Maryland , N. Bernstein: ARO, Min. Ag. , A. Kitron: Herbs of Kedem*	Approved: ₪374,342 *USDA,NIFA-BARD-IIA*
NI-8088-25	**Unraveling Fusarium Resistance Mechanisms in Banana for Sustainable Crop Production** *Y. Zait: U Hebrew , A. Levy: U Florida*	Approved: ₪600,000 *USDA,NIFA-BARD-IIA*
NI-8089-25	**Improving and managing adaptation of barley to abiotic stress with stay-green traits** *E. Fridman: ARO, Min. Ag. , J. Torrion: U Montana St. , H. Abu Tayeh: ARO, Min. Ag. , E. Shor: ARO, Min. Ag. , V. Elchanatis: ARO, Min. Ag.*	Approved: ₪350,000 *USDA,NIFA-BARD-IIA*

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NI-8090-25	**Novel native starch granule-guest inclusion complexes: formation, structure, and function** *D. Eshel: ARO, Min. Ag. , L. Mauer: U Purdue , I. Maoz: ARO, Min. Ag.*	Approved: ₪350,000 *USDA,NIFA-BARD-IIA*
NI-8091-25	**Utilizing Antimicrobial nature-sourced polysaccharides to Improve safety and Purity of Cultivated Meat Products** *R. Rak: ARO, Min. Ag. , D.L. Kaplan: U Tufts , E. Poverenov: ARO, Min. Ag.*	Approved: ₪350,000 *USDA,NIFA-BARD-IIA*