2020 NPDRS New and Emerging Diseases			
PI	**Location**	**CRIS Project**	**Title**
Adkins, S.	Ft. Pierce, FL	6034-22000-042-00D	Tomato resistance-breaking tospoviruses
Bowden, B.	Castroville, TX	3020-21000-011-00D	Breeding resistant wheat varieties to stem rust using marker-assisted selection
Chamberlin, K.	Stillwater, OK	3072-21220-008-00D	Breeding for Resistance to Peanut Smut
CIMMYT	Texcoco, Mexico	0500-00082-001-03S	Advance research of wheat stem rust race group Ug99
Crouch, J.	Beltsville, MD	8042-22000-298-00D	Diversity of the Select Agents causing brown stripe downy mildew, Philippine downy mildew and related pathogens causing downy mildews of corn, sorghum and other grasses
Dunlap, C.	Peoria, IL	5010-22410-019-00D	Novel approaches to controlling Laurel wilt and Fusarium dieback in avocados
Goenaga, R.	Mayaguez, PR	6090-21000-057-00D	Highly sensitive qPCR screening of the U.S. cacao germplasm collection in Puerto Rico for presence of the emergent Cacao mild mosaic badnavirus, previously restricted to the Trinidad Gene Bank collection
Hartman, G.	Urbana, IL	5012-22000-022-00D	Evaluation of Soybean Genotypes for Resistance to Red Leaf Blotch
Jarret, R.	Griffin, GA	6046-21000-012-00D	Detecting *Tomato Brown Rugose Fruit Virus* (ToBRFV) in the USDA/ARS Pepper (*Capsicum* spp.) Germplasm Collection
Jin, Y.	St. Paul, MN	5062-21220-023-00D	Stem rust surveillance through sentinel plots in US, detection of novel virulence globally, and improvement of differential genetic stocks
Kianian, S.	St. Paul, MN	5062-21220-023-00D	Understanding and combating increased virulence of oat crown rust (Puccinia coronata f. sp. avenae)
Li, S.	Stoneville, MS	6066-21220-014-00D	Recovery and preservation of *Phakopsora pachyrhizi* collection from Southern US: meeting the needs for soybean rust research

2020 NPDRS New and Emerging Diseases			
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Ling, K.	Charleston, SC	6080-22000-028-00D	Managing emerging *Tomato brown rugose fruit virus* through sensitive detection, effective disinfection and improved immunity
Luster, D.	Fort Detrick, MD	8044-22000-046-00D	Preliminary screening and storage of exotic cereal rust accessions in BSL3 containment
Marshall, D.	Raleigh, NC	6070-22000-018-00D	Stacking Ug99 Stem Rust Resistance with Other Resistances in Wheat
Peterson, G.	Ft. Detrick, MD	8044-22000-046-00D	2020-2021 Bolivian Field Evaluation of U.S. and Select Wheat Germplasm for Resistance to Wheat Blast
Rouse, M.	St. Paul, MN	5062-21220-023-00D	Wheat Resistance to Ug99: Germplasm Screening, Resistance Characterization, and Resistance Gene Incorporation
Rutter, W.	Charleston, SC	6080-22000-029-00D	Developing Resources to Manage Guava Root-Knot Nematode (*Meloidogyne enterolobii*)
Scheffler, J.	Stoneville, MS	6066-21000-052-00D	Combating an emerging virus threat for cotton
Szabo, L.	St. Paul, MN	5062-21220-023-00D	Genotyping of critical wheat stem rust pathogen strains and development of molecular tools for monitoring aecial samples from barberry
Tallury, S.	Griffin, GA	6046-21000-012-00D	Development and validation of molecular diagnostic assay for the detection of *Peanut Clump Virus* (PCV) and *Indian Peanut Clump Virus* (IPCV)
Udall, J.	College Station, TX	3091-21000-041-00D	Developing FOV4 resistance in cotton using the Cotton Winter Nursery and genomic approaches
Ulloa, M.	Lubbock, TX	3096-21000-022-00D	Unraveling population shift of *Fusarium oxysporum* f. sp. *vasinfectum* race 4 isolates and host-plant interactions overcoming tolerance/resistance

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PI	**Location**	**CRIS Project**	**Title**
Zhao, Y.	Beltsville, MD	8042-22000-306-00D	Developing Cas12a-based technologies for early detection of exotic phytoplasmas