

Title: Further development of an integrated mapping service to support regional control & elimination of PRRS virus - **NPB #12-174**

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Scientific Abstract:

There are approximately 20 regional PRRS projects in the United States in various stages of progress. Each has its own approach to the challenges of mapping the region, many depending on the assistance of a pharmaceutical company. The goal of this project was to develop a mapping service that will be available to coordinators who choose to participate. The database was developed in Oracle and ArcGIS was used to develop the map. Maps are viewed in either ArcReader or ArcGIS online. Participating regional projects include N212MN, Wisconsin and Pennsylvania as well as a national PRRS incidence project involving 19 production systems with 372 sites and approximately 1.2 million sows. A common legend was developed and made available to all participating regions. This system is available for any regional coordinator to use. This service has grown to become the Swine Health Monitoring Project (SHMP) that serves the needs of the industry and is a valuable resource for the National Pork Board.

These research results were submitted in fulfillment of checkoff-funded research projects. This report is published directly as submitted by the project's principal investigator. This report has not been peer-reviewed.

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