

EXAMPLE

**NRS RESULTS – Reporting period 10/1/2020 through 9/30/2021**

**For Capacity Projects (Hatch, Hatch Multistate, Animal Health, and McIntire-Stennis)**

*Fields will expand as you type in them*

**Project Number**

IOW09999

**Name of Project Director**

Jane Doe

**Nothing Significant to Report** It's okay to put an X in this box! If you do, please skip the next four fields and complete the "Comments" field (REQUIRED).

If you do have **significant results to report** this project period, please complete the following four fields, following the instructions above each field.

**Briefly describe the issue or problem that your project addresses and its importance.**

Each year, US farmers suffer billions of dollars in economic losses due to insect pests of corn, with these losses arising as a result of both management costs and lost yield. One of the most serious pests of corn in the US Corn Belt is the western corn rootworm. The challenges associated with management of western corn rootworm have increased over time due to the evolution of resistance to various management practices including crop rotation, conventional insecticides, and corn that produces insecticidal proteins derived from the bacterium *Bacillus thuringiensis* (Bt).

Maximum 8,000 characters/spaces

**In non-technical terms, please briefly describe how you made significant progress towards the goals and objectives described in your non-technical summary. (You can look up a PDF of your initiation in REEport, if you need this information before you complete this field.)**

Extensive research was conducted on resistance to Bt corn by western corn rootworm, using both laboratory-selected strains and strains with field-evolved resistance. Research on Bt resistance included monitoring field populations for the development of resistance, and measuring features associated with resistance, specifically the inheritance of resistance and the extent to which resistance has accompanying fitness costs.

Maximum 8,000 characters/spaces

EXAMPLE

**What changed for immediate stakeholders because of your work (increased knowledge, changed behavior, and or changed condition), especially regarding your target audience?**

These data have enabled scientists and regulators to better understand the spread and persistence of resistance in the landscape, and to improve the long-term viability of Bt corn as a management tool for rootworm.

Maximum 8,000 characters/spaces

**Briefly describe how the broader public benefited (or will benefit) from your projects activities/results.**

Research, publications and presentations, conducted as part of this project, have provided farmers with timely information on the effectiveness of current management tools for corn rootworm and other insect pests of corn; provided policy makers and biotechnology companies with data on the long-term durability of Bt technologies for management of corn rootworm; and provided scientists with new information on interactions between corn and one of its associated agricultural pests.

Maximum 8,000 characters/spaces

**Comments.**

**This field is optional if you reported results in the four fields above. Only complete this portion if the information is important to CALS and/or relevant to the story you are trying to tell NIFA.**

**This field is required if you checked “Nothing Significant to Report.” Instructions for this field:** Describe and explain any major changes or problems encountered. Additionally, note opportunities for training and professional development provided for the project PI, co-PIs, grad students on the project. You may note how your results have been disseminated to communities of interest, and any new details regarding what the project plans to do during the next reporting period to accomplish the goals. You may also list your DOIs for PUBLISHED journal articles – do not list the entire citation.

Maximum 8,000 characters/spaces