

Economic Impact of the IR-4 Project and Programs

According to a 2022 economic impact analysis conducted by the Michigan State University Center for Economic Analysis, the IR-4 Project has supported 111,470 domestic jobs with a total annual payroll of \$5.34 billion in 2021 dollars, while contributing \$8.97 billion to the annual gross domestic product. Seven jobs today can be attributed to every \$1,000 in public investment in the IR-4 Project.

Additionally, the study found the following economic impacts that can be attributed to the IR-4 Project's programs and efforts:

Expenditure Impacts

- 260 total jobs supported (directly and indirectly) to carry out the program
- \$18.7 million in annual labor income
- \$27 million contributed to the annual Gross Domestic Product (GDP)

Food Crop Program

- 75,300 total jobs supported (directly and indirectly)
- \$3.59 billion in annual labor income
- \$6 billion contributed to the annual GDP
- \$4.31 billion increase in specialty food crop sales

Environmental Horticulture Program

- 9,700 total jobs supported (directly and indirectly)
- 4,900 more workers employed due to increased productivity
- \$456 million in annual labor income
- \$725.5 million contributed to the annual GDP
- Annual crop losses mitigated valued at \$506 million

Biopesticide Regulatory Support

- 25,700 total jobs supported (directly and indirectly)
- \$1.25 billion annual income
- \$2.14 billion contributed to the annual GDP
- \$1.58 billion net contribution to organic crop production through productivity enhancements and crop damage avoidance

Section 18 Emergency Exemptions

- 510 jobs retained annually (directly and indirectly)
- \$25 million annual income
- \$42.9 million contributed to the annual GDP
- \$29.7 million in crop loss aversion per year

Source: 2022 Economic Impact of the IR-4 Project and Programs, Michigan State University Center for Economic Analysis