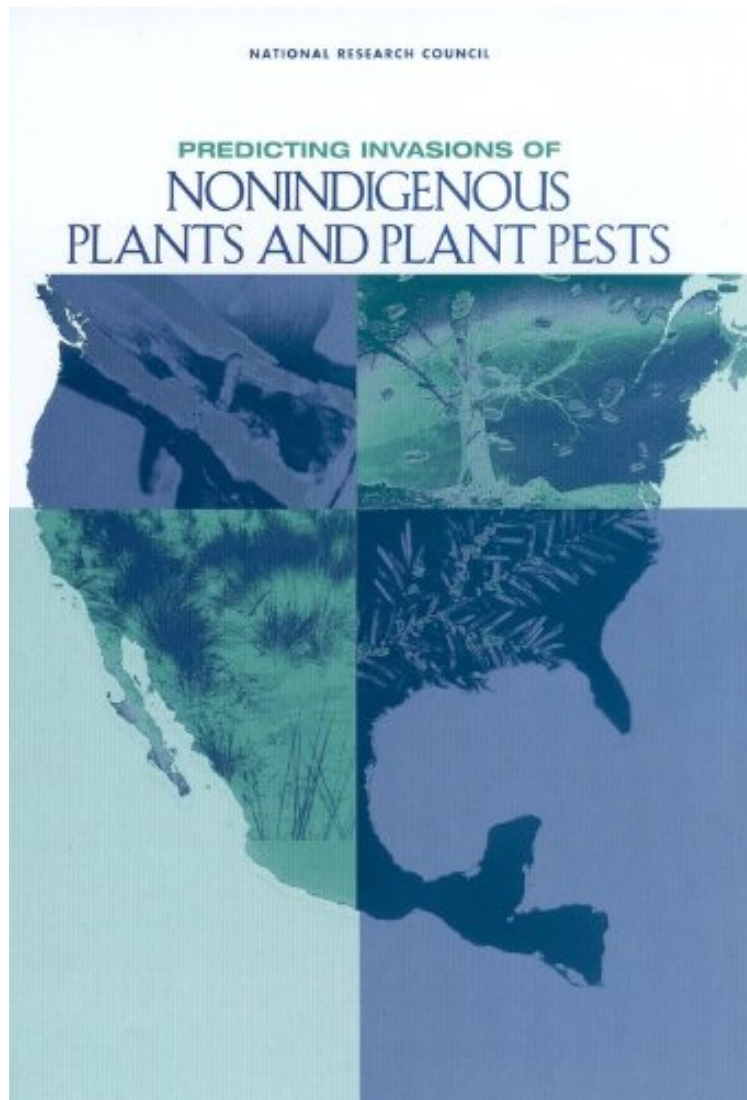


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## Predicting Invasions of Nonindigenous Plants and Plant Pests

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**National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Board on Agriculture and Natural Resources, Committee on the Scientific Basis for Predicting the Invasive Potential of Nonindigenous Plants and Plant Pests in the United States : Predicting Invasions of Nonindigenous Plants and Plant Pests** before purchasing it in order to gage whether or not it would be worth my time, and all praised Predicting

## Invasions of Nonindigenous Plants and Plant Pests:

Nonindigenous plants and plant pests that find their way to the United States and become invasive can often cause problems. They cost more than \$100 billion per year in crop and timber losses plus the expense of herbicides and pesticides. And this figure does not include the costs of invasions in less intensively managed ecosystems such as wetlands. *Nonindigenous Plants and Plant Pests* examines this growing problem and offers recommendations for enhancing the science base in this field, improving our detection of potential invaders, and refining our ability to predict their impact. The book analyzes the factors that shape an invaders progress through four stages: arriving through one of many possible ports of entry, reaching a threshold of survival, thriving through proliferation and geographic spread, and ultimate impact on the organisms new environment. The book also reviews approaches to predicting whether a species will become an invader as well as the more complex challenge of predicting and measuring its impact on the environment, a process involving value judgments and risk assessment. This detailed analysis will be of interest to policymakers, plant scientists, agricultural producers, environmentalists, and public agencies concerned with invasive plant and plant pest species.

About the Author Committee on the Scientific Basis for Predicting the Invasive Potential of Nonindigenous Plants and Plant Pests in the United States, National Research Council