

# **Agricultural Biosecurity**









# **Agricultural Bioterrorism**

**E Durkheim** 

#### **Agricultural Bioterrorism:**

**Agricultural Bioterrorism** Henry S. Parker, 2002 Agricultural Bioterrorism Steven A. Wieneke, 2006 The threat of agricultural terrorism in the United States has awakened the nation to the stark reality that its agricultural industry may be in jeopardy Intentional attacks delivered by land air and sea are capable of devastating this nation's agricultural infrastructure its economy and ultimately threaten the survival of the citizens and the quality of life we have taken for granted Preparations taken to identify vulnerabilities implementation of prevention measures and actions taken in response to an attack will determine the magnitude of the impact of an agricultural incident This paper will present the bioterrorism threat the United States agricultural infrastructure faces It will review the nature and threat of agricultural terrorism against livestock and croplands and demonstrate the degree of vulnerability the United States agricultural industry has against a bioterrorism attack This paper will identify current plans policies initiatives and capabilities available at the local state and federal levels It will review actions that should be implemented in order to strengthen this nation s ability to prevent prepare for respond to and mitigate long term consequences that could devastate the nation s economy Countering Agricultural Bioterrorism National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Board on Agriculture and Natural Resources, Committee on Biological Threats to Agricultural Plants and Animals, 2003-05-30 Public confidence in the security of the US food and fiber system has been sustained by the quality variety abundance and affordability of agricultural products in the United States Although the system in place to defend against unintentional threats to agriculture has weaknesses and needs the demonstrated ability of the system to resolve accommodate or manage critical food safety problems temporary shortages of some commodities plant and animal infestations and diseases and natural disasters indicates that in general such confidence has been warranted However over the last several years there has been recognition of the possibility and consequences of intentional threats directed at US agriculture Such attacks could come from foreign or domestic terrorists and use biological chemical or radiological agents. They could be directed at the preharvest live plant and live animal or post harvest processing and distribution stages of food and fiber production Countering Agricultural Bioterrorism assesses the vulnerability of US agriculture to intentional threats and provides recommendations needed to strengthen and adapt the US system for defense against biological threats to agriculture The Soviet Union's **Agricultural Biowarfare Programme** Anthony Rimmington, 2021-06-18 This book focuses upon the secret agricultural biological warfare programme codenamed Ekologiya which was pursued by the Soviet Union from 1958 through to the collapse of the USSR in 1991 It was the largest offensive agricultural biowarfare project the world has ever seen and Soviet anti crop and anti livestock weapons had the capability to inflict enormous damage on Western agriculture Beginning in the early 1970s there was a new focus within the Soviet agricultural biowarfare programme on molecular biology and the development of genetically modified agents A key characteristic of the Ekologiya project was the creation of mobilization

production facilities These ostensibly civil manufacturing plants incorporated capacity for production of biowarfare agents in wartime emergency During the 1990s 2000s the counter proliferation efforts undertaken by the US and UK played a major role in preventing the transfer of Ekologiya scientists technologies and pathogens to Iran and other countries of potential proliferation concern Anthony Rimmington is a former Senior Research Fellow at Birmingham University's Centre for Russian European and Eurasian Studies UK He has published widely on the civil life sciences sector in the post Soviet states and on the Soviet Union's offensive biological warfare programme including Stalin's Secret Weapon The Origins of Soviet Agricultural Bioterrorism Henry S. Parker, 2004-09-01 The astonishing specter of September 11 2001 jarred America and indeed all free nations into accepting the previously unthinkable the world's only remaining superpower is vulnerable to catastrophic attack and asymmetric warfare even within its own borders In a few short hours Americans came to realize that for a fanatical resourceful and patient enemy there are neither ethical bounds nor societal mores to delineate the nature of the target the weapon of choice or the scale of the violence To put it another way for these enemies there are no rules of engagement and there is no honor Since September 11 our national sense of vulnerability has steadily risen We have been in a near constant state of high alert because of credible threats to our Nation's nuclear installations power plants transportation nodes and other critical national infrastructures We know that at least nine countries support offensive terrorism programs and that Al Qaeda Osama bin Laden's international terrorist organization has been committed to developing and deploying weapons of mass destruction against U S targets And the possibility that the recent anthrax attacks were perpetrated by a domestic terrorist with access to a Federal Government academic or private laboratory that possessed anthrax for legitimate scientific reasons has brought fear to the doorsteps of virtually every home business and public institution in the country We are now also facing up to a less publicized but potentially devastating threat terrorism directed against the Nation's food and agricultural infrastructure As this paper elucidates American farms food and agriculture systems are exceedingly vulnerable to deliberate disruption by hostile interests intent on undermining confidence in food supplies or wreaking havoc on the agricultural sector of the American economy which accounts for one sixth of our gross domestic product Because of its breadth diversity and unparalleled success U S agriculture is an inviting target for terrorists Not only are food supplies vital for feeding our own population and others around the world and important for the Nation's economic health but American agriculture is a vivid example of the capabilities of modern scientific farming Intelligence reports indicate that a number of countries have active research programs that could produce biological agents to threaten crops and livestock Naturally occurring outbreaks of diseases signal the devastation that could result from a carefully choreographed intentional release Thus the recent Foot and mouth disease epidemics in Taiwan and Great Britain or hog cholera in the Netherlands or the infection of Florida citrus trees with citrus canker aptly demonstrate the vulnerability of living targets to biological pathogens and the economic chaos that can result from an outbreak intentional or

otherwise Floyd P Horn Director for Food Agriculture and Water Security Office of Homeland Security Executive Office of the President Agricultural Biological Weapons Threat to the United States United States. Congress. Senate. Committee on Agriculture, Rural Development, Food Armed Services, Subcommittee on Emerging Threats and Capabilities, 2000 and Drug Administration, and Related Agencies Appropriations for 2015 United States. Congress. House. Committee on Appropriations. Subcommittee on Agriculture, Rural Development, Food and Drug Administration, and Related 108-2 Hearings: Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Agencies, 2014 Appropriations For 2005, Part 1A, 2004, \*, 2004 Threats to Agriculture United States. Animal and Plant Health Defining Law Enforcement's Role in Protecting American Agriculture from Inspection Service, 2003 **Agro-Terrorism** Terry Knowles, 2011 This is a print on demand edition of a hard to find publication American agriculture represents a soft target for terrorists The single greatest threat to our agricultural economy is foot and mouth disease FMD An outbreak of this highly contagious viral disease would have a catastrophic effect including cessation of beef exports full scale quarantines possible destruction of millions of animals stop movement orders and economic chaos Five primary groups are considered to be threats to agriculture internat terrorists domestic terrorists militant animal rights groups economic opportunists and disgruntled employees This in depth study determined law enforcement s role in protecting against acts of agro terrorism Conclusion Law enforcement has insufficient resources to adequately respond to a FMD outbreak

#### Decoding Agricultural Bioterrorism: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Agricultural Bioterrorism**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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#### **Agricultural Bioterrorism Introduction**

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