

Select Agents and Toxin List

The list of Select Agents below is current as of July 23, 2020. The most current list can be found at <https://www.selectagents.gov/SelectAgentsandToxinsList.html>. The following biological agents and toxins have been determined to have the potential to pose a severe threat to both human and animal health, to plant health, or to animal and plant products. An attenuated strain of a select agent or an inactive form of a select toxin may be excluded from the requirements of the Select Agent Regulations.

HHS and USDA Select Agents and Toxins (7 CFR Part 331, 9 CFR Part 121, and 42 CFR Part 73)

HHS SELECT AGENTS AND TOXINS	
<ol style="list-style-type: none"> 1. Abrin 2. <i>Bacillus cereus</i> Biovar <i>anthracis</i> 3. Botulinum neurotoxins 4. Botulinum neurotoxin producing species of <i>Clostridium</i> 5. Conotoxins (Short, paralytic alpha conotoxins containing the following amino acid sequence X1CCX2PACGX3X4X5X6CX7) 6. <i>Coxiella burnetii</i> 7. Crimean-Congo haemorrhagic fever virus 8. Diacetoxyscirpenol 9. Eastern Equine Encephalitis virus 10. Ebola virus 11. <i>Francisella tularensis</i> 12. Lassa fever virus 13. Lujo virus 14. Marburg virus 15. Monkeypox virus 16. Reconstructed replication competent forms of the 1918 pandemic influenza virus containing any portion of the coding regions of all eight gene segments (Reconstructed 1918 Influenza virus) 17. Ricin 18. <i>Rickettsia prowazekii</i> 19. SARS-associated coronavirus (SARS-CoV) 20. Saxitoxin 	<p>South American Haemorrhagic Fever viruses:</p> <ul style="list-style-type: none"> • 21. Chapare • 22. Guanarito • 23. Junin • 24. Machupo • 25. Sabia <p>26. Staphylococcal enterotoxins (subtypes A,B,C,D,E)</p> <p>27. T-2 toxin</p> <p>28. Tetrodotoxin</p> <p>Tick-borne encephalitis complex (flavi) viruses:</p> <ul style="list-style-type: none"> • 29. Far Eastern subtype • 30. Siberian subtype <p>31. Kyasanur Forest disease virus</p> <p>32. Omsk hemorrhagic fever virus</p> <p>33. Variola major virus (Smallpox virus)</p> <p>34. Variola minor virus (Alastrim)</p> <p>35. <i>Yersinia pestis</i></p>
OVERLAP SELECT AGENTS AND TOXINS	
<ol style="list-style-type: none"> 36. <i>Bacillus anthracis</i> 37. <i>Bacillus anthracis</i> Pasteur strain 38. <i>Brucella abortus</i> 39. <i>Brucella melitensis</i> 40. <i>Brucella suis</i> 41. <i>Burkholderia mallei</i> 42. <i>Burkholderia pseudomallei</i> 43. Hendra virus 44. Nipah virus 45. Rift Valley fever virus 46. Venezuelan equine encephalitis virus 	

USDA SELECT AGENTS AND TOXINS

- 47. African horse sickness virus
- 48. African swine fever virus
- 49. Avian influenza virus
- 50. Classical swine fever virus
- 51. Foot-and-mouth disease virus
- 52. Goat pox virus
- 53. Lumpy skin disease virus
- 54. *Mycoplasma capricolum*
- 55. *Mycoplasma mycoides*
- 56. Newcastle disease virus
- 57. Peste des petits ruminants virus
- 58. Rinderpest virus
- 59. Sheep pox virus
- 60. Swine vesicular disease virus

USDA PLANT PROTECTION AND QUARANTINE (PPQ) SELECT AGENTS AND TOXINS

- 61. *Coniothyrium glycines* (formerly *Phoma glycinicola* and *Pyrenochaeta glycines*)
- 62. *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*)
- 63. *Ralstonia solanacearum*
- 64. *Rathayibacter toxicus*
- 65. *Sclerophthora rayssiae*
- 66. *Synchytrium endobioticum*
- 67. *Xanthomonas oryzae*

Tier 1 Select Agents

Certain select agents and toxins are designated as Tier 1. These biological agents and toxins present “the greatest risk of deliberate misuse with most significant potential for mass casualties or devastating effects to the economy, critical infrastructure, or public confidence and pose a severe threat to public health and safety.

Tier 1 Select Agents		
HHS Agents and Toxins	Overlap Agents	USDA Agents
<ul style="list-style-type: none"> • Botulinum neurotoxins • Botulinum neurotoxin producing species of <i>Clostridium</i> • Ebola virus • <i>Francisella tularensis</i> • Marburg virus • Variola major virus (Smallpox virus) • Variola minor virus (Alastrim) • <i>Yersinia pestis</i> 	<ul style="list-style-type: none"> • <i>Bacillus anthracis</i> • <i>Burkholderia mallei</i> • <i>Burkholderia pseudomallei</i> 	<ul style="list-style-type: none"> • Foot-and-mouth disease virus • Rinderpest virus