



# PEST RISK ASSESSMENT FOR SELECTED PESTS – REPORTS PREPARED IN IPP – NRI IN 2016-2018

TOMASZ KAŁUSKI, AGNIESZKA BŁASZAK, MICHAŁ CZYŻ, MAGDALENA GAWLAK, DARIA RZEPECKA, AGATA OLEJNICZAK, NATASZA BORODYNKO-FILAS, JAKUB DANIELEWICZ, RENATA DOBOSZ, ŻANETA FIEDLER, ELZBIETA GABAŁA, BEATA HASIÓW- JAROSZEWSKA, JOANNA KAMASA, TOMASZ KLEJDYSZ, FRANCISZEK KORNOBIS, KRZYSZTOF KRAWCZYK, WOJCIECH KUBASIK, ANNA MAĆKOWIAK-SOCHACKA, JULIA MINICKA, KATARZYNA PIECZUL, KATARZYNA SADOWSKA, PRZEMYSŁAW STRAŻYŃSKI, KATARZYNA TRZMIEL,



# PROJECT



Update existed and develop new risk analyses for pests and regulated commodities, as well as for pests and commodities that may need to be regulated in order to ensure the safety of crops and ecosystems.



Multiyear program: 2016-2020



Ministry of Agriculture and Rural Development



NPPO – Main Inspectorate of Plant Health and Seed Inspection

# METHODS

- EPPO EXPRESS PRA SCHEME
- IMPACT ON ECOSYSTEM SERVICES
- SOCIAL IMPACT

*Bulletin OEPP/EPPO Bulletin* (2012) **42** (3), 457–462

ISSN 0250-8052. DOI: 10.1111/epp.2591

European and Mediterranean Plant Protection Organization  
Organisation Européenne et Méditerranéenne pour la Protection des Plantes

PM 5/5(1)

**Guidelines on pest risk analysis**  
**Lignes directrices pour l'analyse du risque phytosanitaire**

## **Decision-support scheme for an Express Pest Risk Analysis**

### **Specific scope**

This Standard provides a simplified scheme for the rapid production of pest risk analyses.

### **Specific approval and amendment**

2012-09.

---



# METHODS

- ❖ RISK ASSESSMENT
  - ❖ TAXONOMY
  - ❖ PEST OVERVIEW
  - ❖ VECTORS
  - ❖ REGULATORY STATUS OF THE PEST
  - ❖ PEST DISTRIBUTION
  - ❖ HOST PLANTS
  - ❖ PATHWAYS FOR ENTRY
  - ❖ ESTABLISHMENT
    - ❖ OUTDOORS
    - ❖ PROTECTED CONDITIONS
  - ❖ SPREAD
  - ❖ IMPACT (BIODIVERSITY, ECOSYSTEM SERVICES, SOCIAL, IDENTIFICATION OF ENDANGERED AREA)

# CLIMATE CHANGE

Scenario	Precipitation change [%]		Temp. change [°C]	
	Winter	Summer	Winter	Summer
1986-2015	6,16	-0,52	0,85	0,95
RCP 4.5 2041-2071	10,63	1,36	2,57	2,68
RCP 6.0 2041-2071	10,24	3,00	2,60	2,70
RCP 8.5 2041-2071	13,02	3,61	3,45	2,28
RCP 4.5 2071-2100	12,72	2,36	3,18	3,14
RCP 6.0 2071-2100	14,15	2,55	3,51	3,67
RCP 8.5 2071-2100	21,14	2,12	5,20	4,96

# METHODS

- ❖ RISK MANAGEMENT

  - ❖ PHYTOSANITARY MEASURES

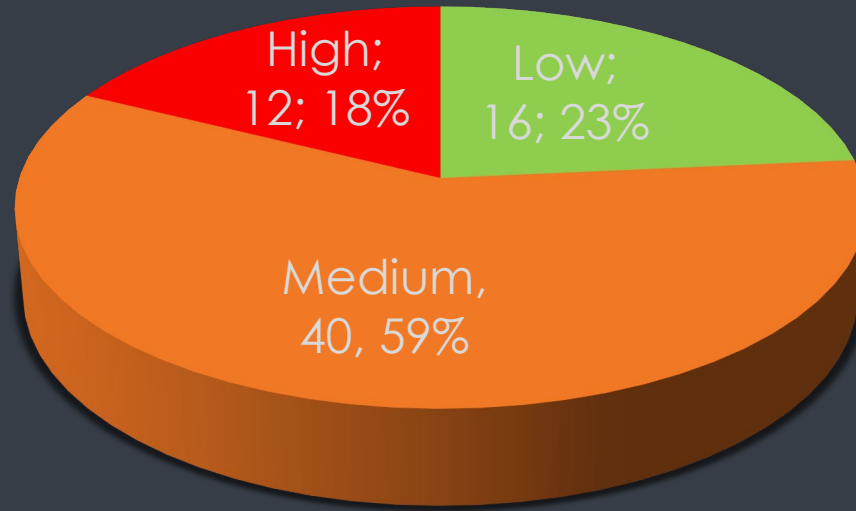
  - ❖ UNCERTAINTY

  - ❖ REMARKS

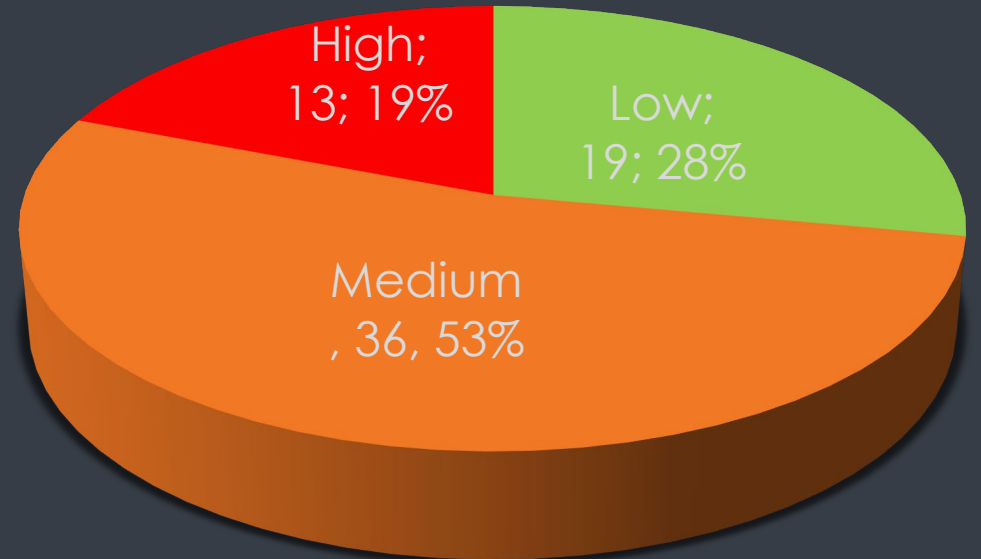


# PHYTOSANITARY RISK

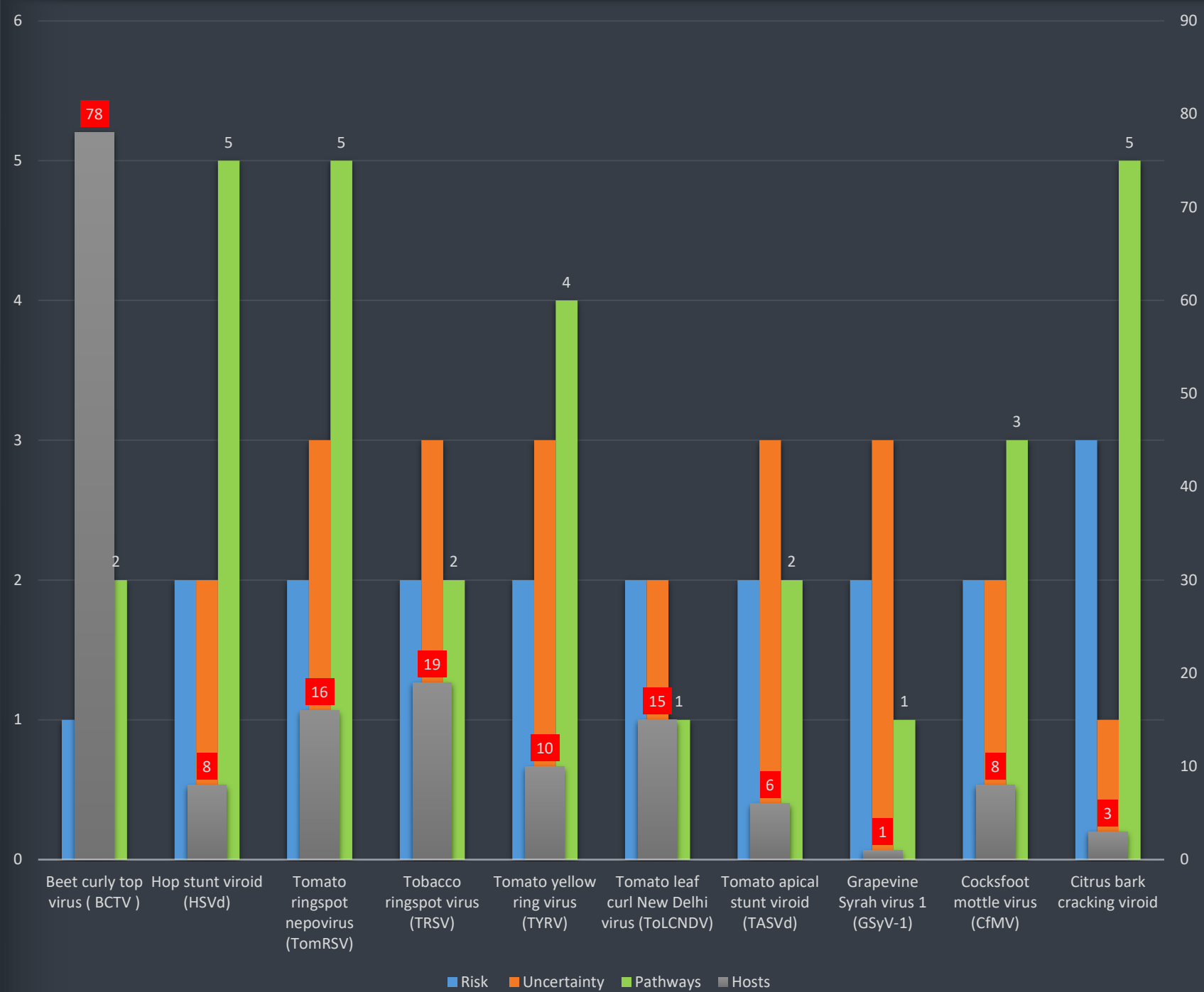
Risk



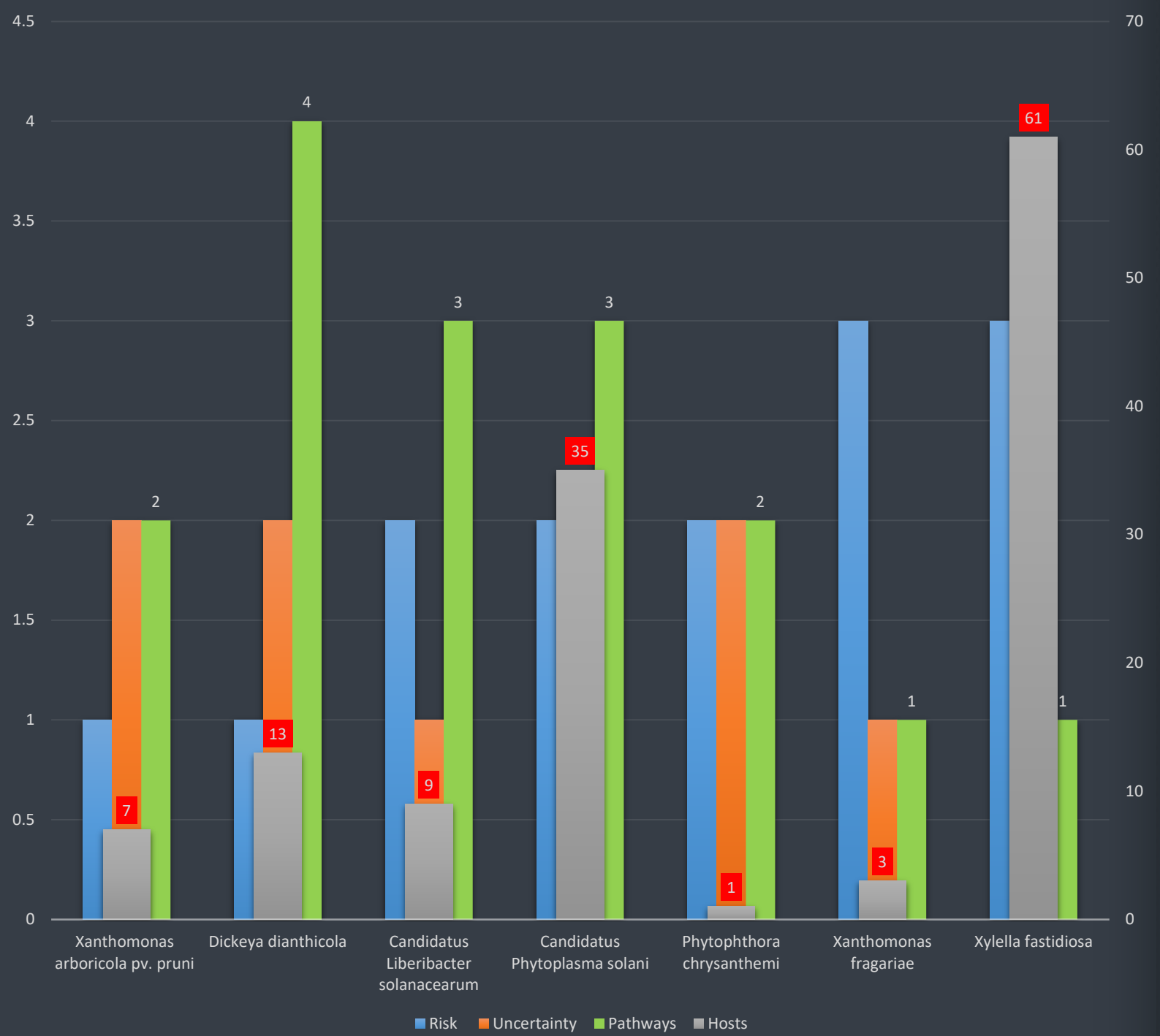
Uncertainty



# VIRUSES AND VIROIDS

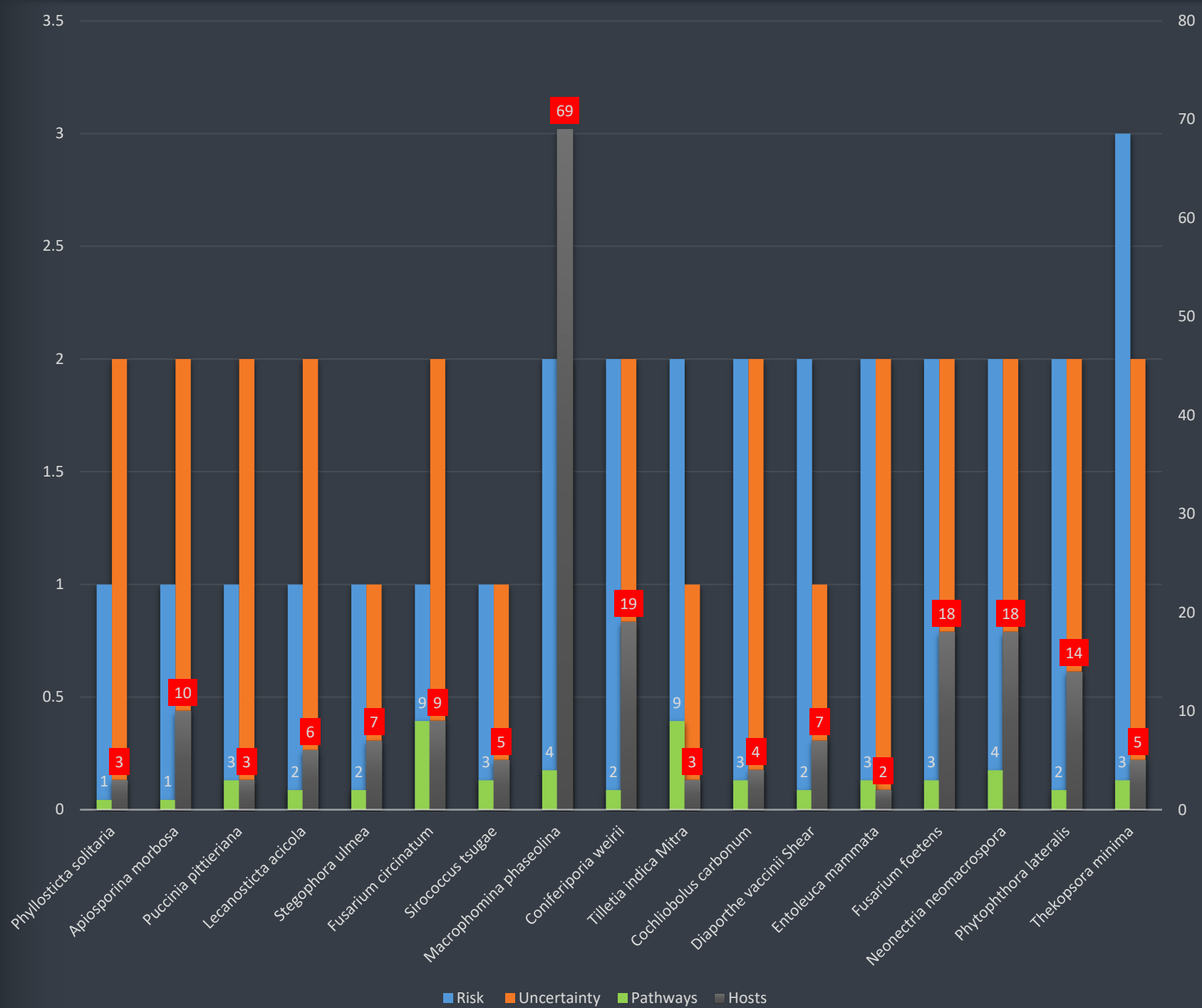




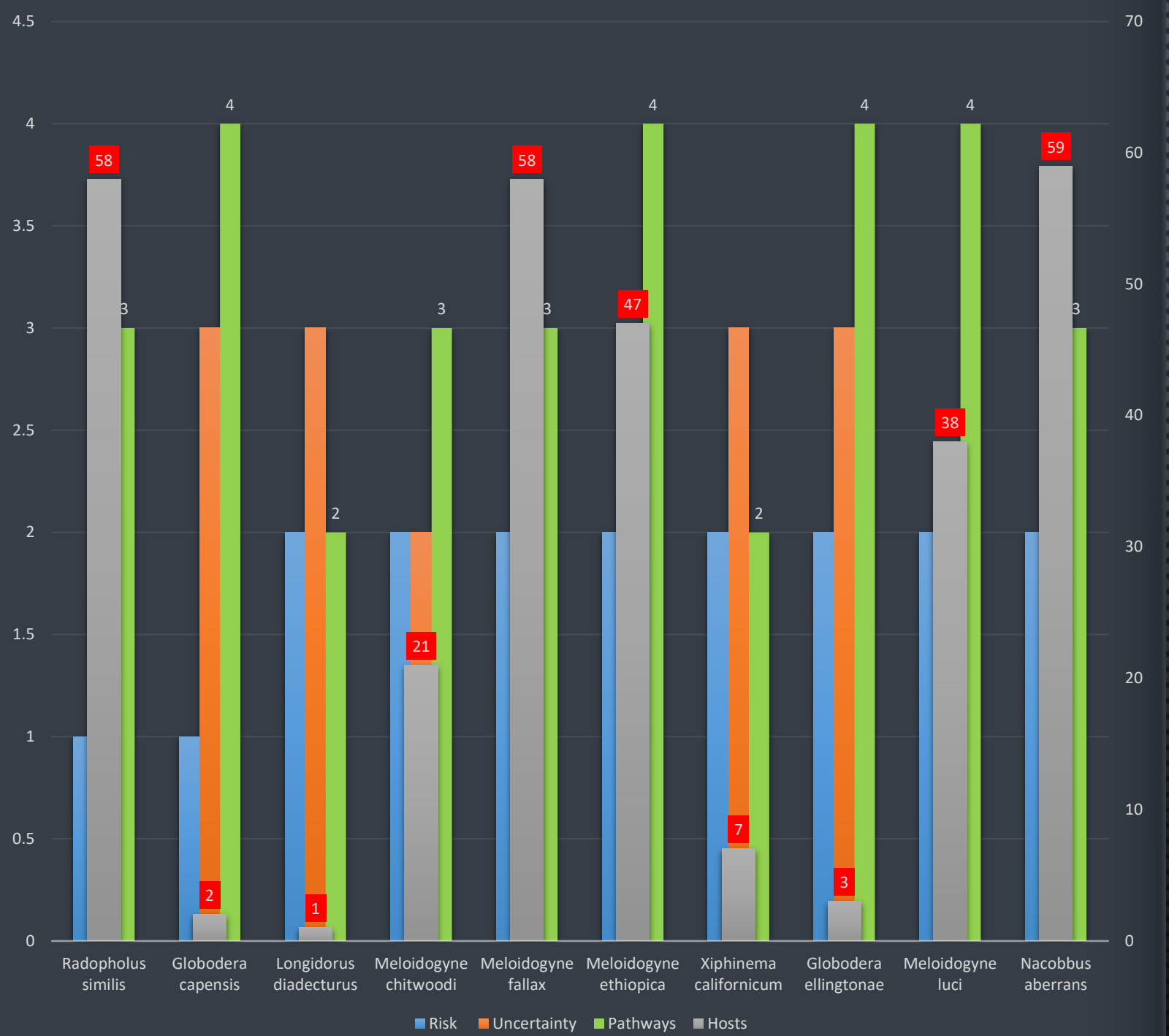


# BACTERIA AND PHYTOPLASMAS

# FUNGI

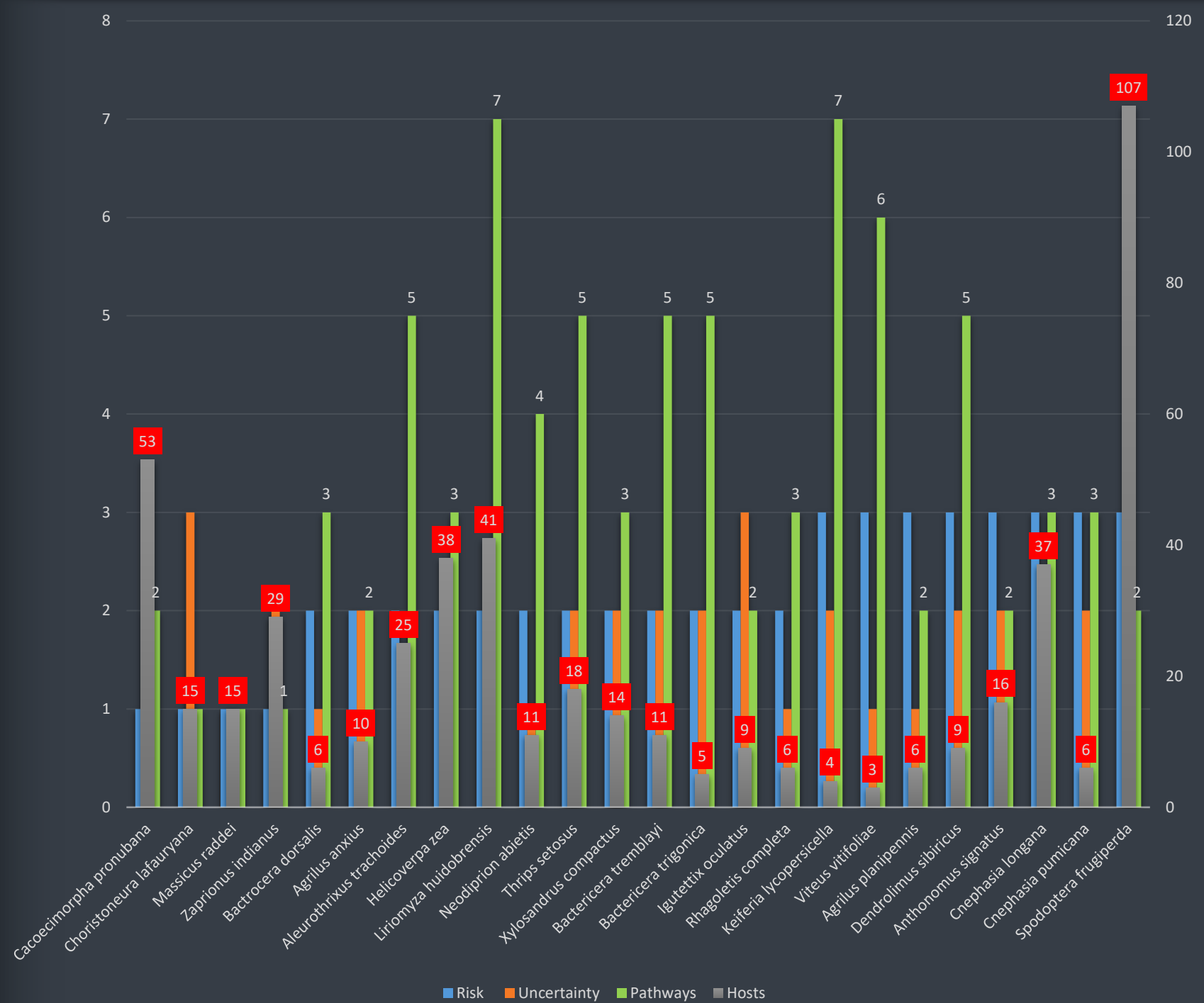






# NEMATODES

# INSECTS





# OTHER ACTIVITIES



Exporting reports



Opinions for Ministry of Agriculture  
and Rural Development



Opinions for Ministry of  
Environment



Opinions for Ministry of Defence

Quantitative risk  
assessment

Reassessment of all  
PRAs

Pest prioritisation

FUTURE





THANK YOU FOR YOUR ATTENTION!