

Point A 16

**SANTE D4** 

# **WORKING DOCUMENT SANTE/2019/12772**

Outcome of the evaluation procedure of survey programme submitted by Member States for Union financial contribution for 2020: list of the programmes technically approved and final amount for each programme.

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### 1. General information

The current legal framework for which a financial contribution from the Union for plant health survey programmes can be granted is Regulation (EU) No 652/2014<sup>1</sup> which entered into force on 30 June 2014.

Regulation (EU) No 652/2014 foresees that the Commission shall adopt the annual or multi-annual work programme by 30 April of the year preceding the execution of the measures of the work programme.

The work programme for the implementation of plant health survey programmes for the years 2019-2020 was adopted on 30 April 2018<sup>2</sup> and subsequently amended on 14 May 2019 by Commission Implementing Decision C(2019)3509<sup>3</sup>.

In the work programme, the pest that may be co-funded in priority for the years 2019 and 2020 have been identified and divided into six priority category (A, B, C, D, E and F), on the basis of Annex III to Regulation (EU) No 652/2014 which sets out priorities for the Union financial support, as regards the orientation of survey programmes.

In order to ensure the financial support by the Union to the implementation by the Member States' competent authorities of the survey programmes for plant health, a financing Decision for the year 2019 and 2020 has been adopted on 10 September 2018<sup>4</sup> and the maximum Union contribution was set at EUR 30,500,000 for 2020.

This document aims at providing the Member States with the list of plant health survey pests programmes technically approved for a Union financial contribution for the year 2020 and the preliminary amount allocated to each programme.

Based on the provisions of Article 22 of Regulation (EU) No 652/2014 it contains:

- > the list of national programmes technically approved and proposed for co-financing,
- > the final amount allocated to each programme,
- > the final maximum level of the Union financial contribution for each programme

Eligible costs concerning plant health surveys pests programme for the year 2020 are detailed in working document SANTE/10646/2016/Rev 4 ("Guidelines for the Union co-funded programmes of Surveys programmes for pests)<sup>5</sup>

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<sup>&</sup>lt;sup>1</sup> OJ L 189, 27.06.2014, p.1

<sup>&</sup>lt;sup>2</sup> Commission implementing Decision of 30.4.2016 on the adoption of the work programme for 2019-2020 for the implementation of survey programmes for pests [C(2018) 2491 final).

<sup>&</sup>lt;sup>3</sup> Commission Implementing Decision C(2019) 3509 amending the Implementing Decision of 30 April 2018 establishing the work programme for the years 2019-2020 for the implementation of survey programmes concerning the presence of pests as provided for in Article 36(1) of Regulation (EU)No 652/2014

<sup>4</sup> Commission Implementing Decision on the adoption of the financing decision for the years 2019 and 2020 for the implementation of survey programmes for pests [C(2018) 6531 final]

<sup>&</sup>lt;sup>5</sup> http://ec.europa.eu/dgs/health\_food-safety/funding/cff/docs/plant\_survey-prog\_application\_guidelines\_2017.pdf

# 2. Eligible programmes

The following priorities for 2020 have been identified:

## 2.1 Pest Priority A

- 1. Current priority category concerns pests which are listed in Part A of Annex I to Directive 2000/29/EC and Section I of Part A of Annex II to that Directive, and subsequently listed pursuant to the second subparagraph of Article 5(2) of Regulation (EU) 2016/2031 as not known to occur in the Union territory (Union quarantine pest), to which an indicative 30 % of the available commitment appropriations on budget line 17 04 02 shall be dedicated.
  - i. pests of fruit trees and plants:;
  - ii. pests of cereal crops;
  - iii. pests of deciduous trees;
  - iv. pests of coniferous trees;
  - v. miscellaneous pests
- 2. The programme for pests priority category (a) submitted by Austria, Belgium, Cyprus, Czech Republic, Germany, Denmark, Estonia, Spain, Finland, France, Greece, Croatia, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, the Netherlands, Poland, Portugal, Sweden, Slovenia and Slovakia are eligible for Union financial contribution for the period from 1st January 2020 to 31st December 2020.
- 3. The financial contribution by the Union to Austria, Belgium, Germany, Denmark, Spain, Finland, France, Ireland, Italy, Luxembourg, Malta, the Netherlands, and Sweden for the year 2020 shall be at a rate of 50% and shall not exceed the following:
  - a. EUR 26 000 for Austria;
  - b. EUR 41 000 for Belgium;
  - c. EUR 104 000 for Germany
  - d. EUR 59 000 for Denmark
  - e. EUR 520 000 for Spain
  - f. EUR 10 000 for Finland
  - g. EUR 23 000 for France
  - h. EUR 15 000 for Ireland
  - i. EUR 353 000 for Italy
  - j. EUR 8 000 for Luxembourg
  - k. EUR 29 000 for Malta
  - 1. EUR 126 000 for the Netherlands
  - m. EUR 24 000 for Sweden
- 4. The financial contribution by the Union to Cyprus, Czech Republic, Estonia, Greece, Croatia, Lithuania, Latvia, Poland, Portugal, Slovenia and Slovakia for the year 2020 shall be at a rate of 75% and shall not exceed the following:
  - a. EUR 23 000 for Cyprus

- b. EUR 49 000 for Czech Republic
- c. EUR 48 000 for Estonia
- d. EUR 220 000 for Greece
- e. EUR 89 000 for Croatia
- f. EUR 6 000 for Lithuania
- g. EUR 34 000 for Latvia
- h. EUR 59 000 for Poland
- i. EUR 192 000 for Portugal
- j. EUR 66 000 for Slovenia
- k. EUR 49 000 for Slovakia
- 5. The final amount by the Union for Pest Priority Category A is 2.173.000 (15, 79% out of total budget).

# 2.2. Pest Priority B

- 1. Current priority category concerns pests subject to Union measures adopted by the Commission in accordance with Article 16(3) of Directive 2000/29/EC, Article 28 or Article 30 of Regulation (EU) 2016/2031., to which an indicative 35 % of the available commitment appropriations on budget line 17 04 02 shall be dedicated.
- 2. The programme for pests priority category (b) submitted by Austria, Belgium, Cyprus, Czech Republic, Germany, Denmark, Estonia, Spain, Finland, France, Greece, Croatia, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, the Netherlands, Poland, Portugal, Sweden, Slovenia and Slovakia are eligible for Union financial contribution for the period from 1st January 2020 to 31st December 2020.
- 3. The financial contribution by the Union to Austria, Belgium, Germany, Denmark, Spain, Finland, France, Ireland, Italy, Luxembourg, Malta, the Netherlands, and Sweden for the year 2020 shall be at a rate of 50% and shall not exceed the following:
  - a. EUR 44 000 for Austria;
  - b. EUR 52 000 for Belgium;
  - c. EUR 299 000 for Germany
  - d. EUR 56 000 for Denmark
  - e. EUR 1 978 000 for Spain
  - f. EUR 97 000 for Finland
  - g. EUR 404 000 for France
  - h. EUR 25 000 for Ireland
  - i. EUR 1 730 000 for Italy
  - j. EUR 8 000 for Luxembourg
  - k. EUR 34 000 for Malta
  - 1. EUR 132 000 for the Netherlands
  - m. EUR 70 000 for Sweden

- 4. The financial contribution by the Union to Cyprus, Czech Republic, Estonia, Greece, Croatia, Lithuania, Latvia, Poland, Portugal, Slovenia and Slovakia for the year 2020 shall be at a rate of 75% and shall not exceed the following:
  - a. EUR 8 000 for Cyprus
  - b. EUR 54 000 for Czech Republic
  - c. EUR 37 000 for Estonia
  - d. EUR 360 000 for Greece
  - e. EUR 83 000 for Croatia
  - f. EUR 23 000 for Lithuania
  - g. EUR 38 000 for Latvia
  - h. EUR 135 000 for Poland
  - i. EUR 975 000 for Portugal
  - j. EUR 219 000 for Slovenia
  - k. EUR 90 000 for Slovakia
- 5. The final amount by the Union for Pest Priority Category B is 6.951.000 (50, 52% out of total budget).

## 2.3. Pest Priority C

- 1. Current priority category concerns pests which have the potential to generate a crisis situation with serious economic and environmental consequences and pests, which have an impact on trade within the Union and with third countries, to which an indicative 25 % of the available commitment appropriations on budget line 17 04 02 shall be dedicated. Priority will be given to potato pests.
- 2. The programme for pests priority category (c) submitted by Austria, Belgium, Cyprus, Czech Republic, Germany, Denmark, Estonia, Spain, Finland, France, Greece, Croatia, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, the Netherlands, Poland, Portugal, Sweden, Slovenia and Slovakia are eligible for Union financial contribution for the period from 1st January 2020 to 31st December 2020.
- 3. The financial contribution by the Union to Austria, Belgium, Germany, Denmark, Spain, Finland, France, Ireland, Italy, Luxembourg, Malta, the Netherlands, and Sweden for the year 2020 shall be at a rate of 50% and shall not exceed the following:
  - a. EUR 42 000 for Austria:
  - b. EUR 169 000 for Belgium;
  - c. EUR 161 000 for Germany
  - d. EUR 57 000 for Denmark
  - e. EUR 367 000 for Spain
  - f. EUR 135 000 for Finland
  - g. EUR 521 000 for France
  - h. EUR 33 000 for Ireland
  - i. EUR 626 000 for Italy

- j. EUR 48 000 for Luxembourg
- k. EUR 12 000 for Malta
- 1. EUR 264 000 for the Netherlands
- m. EUR 104 000 for Sweden
- 4. The financial contribution by the Union to Cyprus, Czech Republic, Estonia, Greece, Croatia, Hungary, Lithuania, Latvia, Poland, Portugal, Slovenia and Slovakia for the year 2020 shall be at a rate of 75% and shall not exceed the following:
  - a. EUR 9 000 for Cyprus
  - b. EUR 79 000 for Czech Republic
  - c. EUR 32 000 for Estonia
  - d. EUR 56 000 for Greece
  - e. EUR 64 000 for Croatia
  - f. EUR 66 000 for Lithuania
  - g. EUR 31 000 for Latvia
  - h. EUR 419 000 for Poland
  - i. EUR 147 000 for Portugal
  - i. EUR 93 000 for Slovenia
  - k. EUR 57 000 for Slovakia
- 5. The final amount by the Union for Pest Priority Category C is 3.592.000 (26, 11% out of total budget).

## 2.4. Pest Priority D

- 1. Current priority category concerns pests which represent an emerging risk for the Union territory, to which an indicative 9 % of the available commitment appropriations on budget line 17 04 02 will be dedicated.
- 2. The programme for pests priority category (d) submitted by Austria, Belgium, Czech Republic, Germany, Denmark, Estonia, Spain, Finland, France, Greece, Croatia, Ireland, Italy, Lithuania, Luxembourg, Latvia, Malta, the Netherlands, Poland, Portugal, Sweden, Slovenia and Slovakia are eligible for Union financial contribution for the period from 1st January 2020 to 31st December 2020.
- 3. The financial contribution by the Union to Austria, Belgium, Germany, Denmark, Spain, Finland, France, Ireland, Italy, Luxembourg, Malta, Netherlands, and Sweden for the year 2020 shall be at a rate of 50% and shall not exceed the following:
  - a. EUR 29 000 for Austria;
  - b. EUR 4 000 for Belgium;
  - c. EUR 25 000 for Germany
  - d. EUR 17 000 for Denmark
  - e. EUR 60 000 for Spain

- f. EUR 27 000 for Finland
- g. EUR 2 000 for France
- h. EUR 3 000 for Ireland
- i. EUR 151 000 for Italy
- j. EUR 2 000 for Luxembourg
- k. EUR 8 000 for Malta
- 1. EUR 89 000 for the Netherlands
- m. EUR 23 000 for Sweden
- 4. The financial contribution by the Union to Czech Republic, Estonia, Greece, Croatia, Lithuania, Latvia, Poland, Portugal, Slovenia and Slovakia for the year 2020 shall be at a rate of 75% and shall not exceed the following:
  - a. EUR 12 000 for Czech Republic
  - b. EUR 14 000 for Estonia
  - c. EUR 14 000 for Greece
  - d. EUR 34 000 for Croatia
  - e. EUR 6 000 for Lithuania
  - f. EUR 11 000 for Latvia
  - g. EUR 16 000 for Poland
  - h. EUR 59 000 for Portugal
  - i. EUR 56 000 for Slovenia
  - j. EUR 36 000 for Slovakia
- 5. The final amount by the Union for Pest Priority Category D is 698.000 (5, 07% out of total budget).

### 2.5. Pest Priority E

- a. Current priority category concerns pests other than the pests referred to in point (d), which fulfil all of the following conditions, to which an indicative 1 % of the available commitment appropriations on budget line 17 04 02 will be dedicated.
- b. The programme for pests priority category (e) submitted by France, Croatia, Italy, Malta, Portugal, Sweden and Slovenia are eligible for Union financial contribution for the period from 1st January 2020 to 31st December 2020.
- c. The financial contribution by the Union to France, Italy, Malta and Sweden for the year 2020 shall be at a rate of 50% and shall not exceed the following:
  - a. EUR 76 000 for France
  - b. EUR 56 000 for Italy
  - c. EUR 3 000 for Malta
  - d. EUR 14 000 for Sweden

- d. The financial contribution by the Union to Croatia, Portugal and Slovenia for the year 2020 shall be at a rate of 75% and shall not exceed the following:
  - a. EUR 6 000 for Croatia
  - b. EUR 6 000 for Portugal
  - c. EUR 22 000 for Slovenia
- e. The final amount by the Union for Pest Priority Category E is 183.000 (1, 33% out of total budget).

# 2.6. Pest Priority F

- f. Current priority category concerns pests other than the pests included in the list of priority pests adopted pursuant to Article 6(2) of Regulation (EU) 2016/2031 and not covered by points (a) to (e).
- g. The programme for pests priority category (f) submitted by Austria, Belgium, Cyprus, Czech Republic, Denmark, Spain, Finland, France, Greece, Croatia, Ireland, Italy, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Sweden and Slovenia are eligible for Union financial contribution for the period from 1st January 2020 to 31st December 2020.
- h. The financial contribution by the Union to Austria, Belgium, Denmark, Spain, Finland, France, Ireland, Italy, Luxembourg, Malta, the Netherlands and Sweden for the year 2020 shall be at a rate of 50% and shall not exceed the following:
  - a. EUR 3 000 for Austria
  - b. EUR 4 000 for Belgium
  - c. EUR 8 000 for Denmark
  - d. EUR 14 000 for Spain
  - e. EUR 2 000 for Finland
  - f. EUR 8 000 for France
  - g. EUR 2 000 for Ireland
  - h. EUR 25 000 for Italy
  - i. EUR 1 000 for Luxembourg
  - j. EUR 2 000 for Malta
  - k. EUR 24 000 for Netherlands
  - 1. EUR 19 000 for Sweden
- i. The financial contribution by the Union to Cyprus, Czech Republic, Greece, Croatia, Lithuania, Poland, Portugal and Slovenia for the year 2020 shall be at a rate of 75% and shall not exceed the following:
  - a. EUR 1 000 for Cyprus
  - b. EUR 7 000 for Czech Republic
  - c. EUR 5 000 for Greece
  - d. EUR 2 000 for Croatia
  - e. EUR 1 000 for Lithuania

- f. EUR 3 000 for Poland
- g. EUR 25 000 for Portugal
- h. EUR 6 000 for Slovenia
- i. The final amount by the Union for Pest Priority Category F is 162.000 (1, 18% out of total budget).

# 3. Union co-financing for survey programmes 2020

The total Union financial contribution for the survey programmes for 2020 amount to EUR 13 759 000.

Below, a table showing the distribution of the EU contribution amongst the four priority categories. To be noted that 2 different co-funding rates have been applied (as by Article 5 (2b) of (EU) Regulation 652/2014:

- a) The rate of 50% for Austria, Belgium, Germany, Denmark, Spain, Finland, France, Ireland, Italy, Luxembourg, Malta, the Netherlands, Sweden and
- b) The rate of 75% for Cyprus, Czech Republic, Estonia, Greece, Croatia, Lithuania, Latvia, Poland, Portugal, Slovenia and Slovakia.

<b>Priority Pests</b>	EC contribution 50% co-funded rate	EC contribution 75% co-funded rate	Total
Category A	1.338.000	835.000	2.173.000
Category B	4.929.000	2.022.000	6.951.000
Category C	2.539.000	1.053.000	3.592.000
Category D	440.000	258.000	698.000
Category E	149.000	34.000	183.000
Category F	112.000	50.000	162.000
Total			13.759.000

# 4. Eligible Costs for 2019 - 20 Survey Programme

The eligible costs incurred by the Member States in implementing the survey programme listed under point 2 are the following:

# 4.1. Costs for sampling

## i) Visual inspection activity

### List of Eligible direct costs related to visual inspection activity

- 1. Costs for official personnel (regardless of their status), limited to actual salary costs for staff specifically allocated entirely or in part to the field work during the implementation of the specified activity of visual inspection. Only the actual time spent in the field (including travel time to and from the location) to perform the visual inspection will be considered as eligible.
- 2. Costs for contracted personnel specifically allocated entirely or in part in the field for doing the visual inspection activities related to 2019 2020 Survey programme for pests

### ii) Sampling activity

### List of Eligible direct costs related to sampling activity

- 1. Costs for official personnel (regardless of their status), limited to actual salary costs for staff specifically allocated entirely or in part to field work during the implementation of the specified activity of sampling. Only the actual time spent in the field (including travel time to and from the location) to perform the sampling will be considered as eligible.
- 2. Consumables (limited to: gloves, scissors, knifes, sampling bags /bottles, substances for sample preservation, Petri plates for sampling, spray indicators) needed for the sampling process of pest sampling (soil, plant and trees only).
- 3. Costs for personnel contracted for activities entirely dedicated to the specified activity of sampling, related to 2019 2020 Survey programme for pests.

#### iii) Trapping activity

### List of Eligible direct costs related to testing activity

- 1. Costs for official personnel (regardless of their status), limited to actual salary costs for staff specifically allocated entirely or in part in the field work during the implementation of the specified activity of trapping. Only the actual time spent in the field (including travel time to and from the location) to perform the trapping will be considered as eligible.
- 2. Costs for materials (only traps) and consumables (only attractants) needed for the trapping process of pest.
- Types of eligible traps: Pheromone traps, Mass trapping with baiting traps, Rotary traps, Sticky traps, Flight interception traps, Bait traps, Malaise traps, Glass-barrier traps.
- 3. Costs for personnel contracted for activities entirely dedicated to the specified activity of trapping, related to 2019 2020 Survey programme for pests.

## 4.2. Costs for testing

### List of Eligible direct costs related to testing

- 1. Costs for official personnel (regardless of their status), limited to actual salary costs for staff specifically allocated entirely or in part on the premises of the laboratory during the implementation of the specified activity of testing. Only the actual time spent to perform the testing activity will be considered as eligible.
- 2. Costs for the test kits and reagents which are identifiable and specifically used for carrying out the tests.

Costs for consumables need for laboratory work (limited to: gloves, scissors, needles, loops, safety equipment for the staff, Petri plates for testing)

Costs invoiced by private entities contracted for activities entirely dedicated to the specified activity of testing, related to 2019 - 2020 Survey programme for pests.

## 4.3. Exceptional and dully justified costs

According to Regulation (EU) No 652/2014, only the costs mentioned in art. 20 (points (a) and (b)) and detailed above in the Guidelines may qualify for co-funding.

Nevertheless, in Art.20 point (c), the Regulation specifies that, in exceptional and duly justified cases, costs incurred in carrying out the survey programme, other than those referred above, may be considered eligible (e.g. information and awareness campaigns).

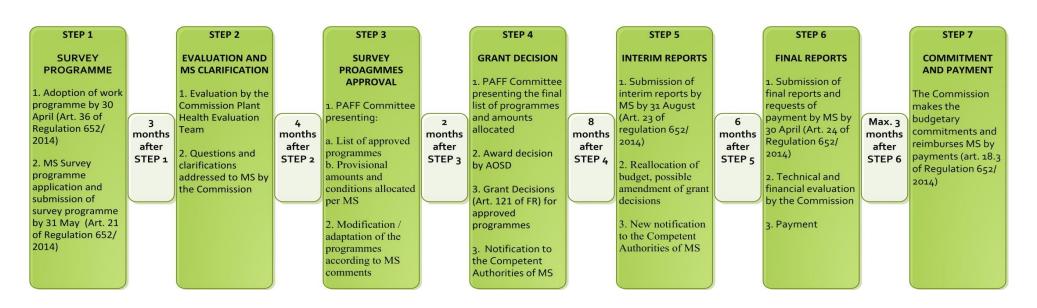
Measures under point (c) should be listed by the Member States in their application, with proper justification and associated costs. The Commission shall evaluate the measures from a technical perspective and the costs from a financial perspective. If approved, these measures will be included in the Grant Decision and the relevant costs will be considered as eligible direct costs. If not included in the Grant Decision, these measures and the related costs are not considered eligible.

Please refer to the document SANTE/2017/10564 Rev4 "Guidelines for applicants for EU funding of Surveys programmes for pests" available on the DG SANTE website:

https://ec.europa.eu/food/sites/food/files/safety/docs/cff\_plant\_surveyprog\_application\_guidelines\_2017.pdf

### **PLANT HEALTH**

FLOWCHART on the steps needed to be followed by MS for Survey programmes for pests



2019 (Year N-1)

2020 (Year N) 2021 (Year N+1)

N	Category	Pest	AT	BE	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HR	ΙE	IT	LT	LU	LV	MT	NL	PL	РТ	SE	SI	SK
1	Α	Agrilus anxius	✓	√		√	✓	<b>√</b>	√	✓	<b>√</b>	<b>√</b>		<b>√</b>	✓	√	<b>√</b>	<b>√</b>	<b>√</b>		√	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>
2	А	Agrilus planipennis	✓	√		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓
3 4	A A	Aleurocantus spp. Anthonomus eugenii		<b>√</b>	<b>√</b>	,	,	<b>√</b>		<b>√</b>	<b>√</b>	√	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>		✓	<b>√</b>	<b>√</b>	✓	<b>√</b>		<b>√</b>	<b>√</b>
5	A	Candidatus Liberibacter spp.	~	<b>∀</b>	<b>∀</b>	٧	٧	٧		<b>∀</b>	~	<b>∀</b>	<b>∀</b>	<b>∀</b>		<b>∀</b>	Υ	✓		<b>√</b>	<b>∀</b>	~	<b>∀</b>		~	Υ
6	A	Citrus tristeza virus		1	<b>√</b>					<b>√</b>		•	<b>√</b>	<b>√</b>		<b>√</b>		•		<b>√</b>	•		1			
7	Α	Dacus dorsalis	✓	√	✓			✓		✓	✓	✓	✓	✓	✓	√			✓	✓	✓		✓		✓	✓
8	A	Dendrolimus sibiricus	✓	✓	✓	√	√	<b>√</b>	<b>√</b>	√	✓	✓		✓	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓		<b>√</b>	✓	√	✓	√
9 10	A A	Diaporthe vaccinii Erwinia stewartii	<b>∀</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>				√		<b>√</b>	✓	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>	✓
11	A	Monochamus spp.	<b>√</b>	√	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	√	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	√	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓
12	Α	Phyllosticta citricarpa		√	√					✓			✓	✓		√				√			✓			
13	A	Pissodes spp.		√	√	✓	√	✓		√	✓			√	✓	√		✓	✓	✓	√	✓	√	✓	√	√
14 15	A A	Pterandrus rosa Rhagoletis fausta	<b>√</b>	<b>√</b>	<b>√</b>	~/	<b>√</b>			<b>√</b>			~(	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>
16	A	Rhagoletis pomonella	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>√</b>	<b>∀</b>	<b>√</b>		<b>∀</b>	✓	✓	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∨</b>	<b>∀</b>	<b>∀</b>	<b>√</b>	✓	<b>∀</b>	<b>∀</b>	<b>∀</b>		<b>∀</b>	<b>√</b>
17	А	Scirtothrips sp.	√	√	√		✓	√		✓	✓			✓		✓	√		✓	√	✓	✓	√	✓	√	
18	Α	Scrobipalpopsis solanivora	<u> </u>	√	√	√	✓	√		✓				✓_	✓	√	✓	✓	✓	√	✓	✓	√		✓	
19 20	A A	Thaumatotibia leucotreta Toxoptera citrida	✓	<b>√</b>	<b>√</b>	√	√	✓		<b>√</b>	✓	✓	<b>√</b>	<b>√</b>		<b>√</b>	✓		✓	<b>√</b>	✓	✓	<b>√</b>		√	✓
20	А	Xanthomonas citri pv. citri and		٧	~					٧			٧	Υ		Υ				٧			٧			
21	Α	Xanthomonas citri pv. aurantifolii		<b>√</b>	<b>√</b>					<b>√</b>			<b>√</b>	<b>√</b>		<b>√</b>				✓			<b>√</b>			
	Α	TOTAL	12	19	18	12	14	13	5	21	10	9	13	20	10	21	11	10	14	17	16	14	17	8	15	12
22	D	Anonlonbora chinonois	,	,	,	,	,	,	_	,		,	,	,	,	,	,	,	,	,	,	,	,		,	,
22	B B	Anoplophora chinensis Anoplophora glabripennis	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
24	В	Aromia bungii	<b>√</b>	√		✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
25	В	Bursaphelenchus xylophilus	✓	√	√	√	✓	✓	✓	✓	✓	√	✓	√	✓	√	✓	✓	✓	√	√	√	✓	✓	√	√
20	D	Epitrix cucumeris, Epitrix papa sp.																								
26	В	n., Epitrix subcrinita and Epitrix tuberis	<b>√</b>	1	<b>√</b>	<b>~</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>
27	В	Gibberella circinata	<b>√</b>	<b>√</b>	<b>∀</b>	<b>√</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>∀</b>	<b>√</b>	<b>∀</b>	<b>∀</b>
28	В	Pomacea (Perry)								✓		√	✓	✓		✓	√					·	√		√	
29	В	Pseudomonas syringae pv.																								
_		actinidiae	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	,		<b>√</b>	<b>√</b>	✓	<b>√</b>	√
30 31	B B	Spodoptera frugiperda Xylella fastidiosa	<b>√</b>	<b>√</b>		+ -		<b>√</b>	_		<b>√</b>	<b>√</b>	<b>√</b>	_	,		<b>√</b>		•	<b>√</b>	<b>√</b>	<b>√</b>		,	<b>√</b>	<b>√</b>
31		,	9	<b>√</b>	√ 7	<b>√</b>	<b>√</b>	√ 9	<b>√</b>	√ 10	<b>√</b>	<b>√</b>	√ 10	√ 10	√ 8	√ 10	<b>√</b>	√ 9	<b>√</b>	<b>√</b>	<b>√</b>	√ 9	√	<b>√</b>	<b>√</b>	9
	В	TOTAL	9	9	1	9	9	9	8	10	8	9	10	10	8	10	10	9	ŏ	ð	8	9	10	1	10	9
32	С	Clavibacter michiganensis	✓	✓	✓	$\checkmark$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	$\checkmark$	✓	✓	✓	✓	✓	✓		✓	$\checkmark$
33	С	Globodera pallida and G.				,		,		,				,		,		,							,	١, ١
		rostochiensis Grapevine flavescence dorée	✓	√	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
	С	di apevirie navescence doi ee																								
34	C	phytoplasma	<b>√</b>		<b>√</b>	<b>√</b>	<b>√</b>			<b>√</b>		✓	<b>√</b>	<b>√</b>		<b>√</b>			✓	<b>√</b>	<b>√</b>		✓		✓	✓
		phytoplasma Meloidogyne chitwoodi Golden et	✓		✓	✓	✓			✓		✓	✓	✓		✓			✓	✓	✓		√		✓	✓
35	С	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax	<b>√</b>			<b>√</b>	<b>√</b>	√.	✓.	<b>√</b>	✓.	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
35	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica	<b>√</b>	√	√	<b>√</b>	<b>√</b>	√ √	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>
35 36 37	C C C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	√		<b>√</b>		<b>√</b>		<b>√</b>	√ √ √	√ √ √		<b>√</b>	<b>√</b>	<b>√</b>	√ √ √		<b>√</b>		<b>√</b>	<b>√</b>
35 36	C C C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum	√ √ √	✓	√ √	√ √ √	√ √	<b>√</b>	<b>√</b> <b>√</b>	√ √ √	<b>√</b>	√ √	<b>√</b>	\ \ \	<b>√</b>	√ √ √	<b>√</b>	<b>√</b>	\ \ \	<b>√</b>	√ √ √	<b>√</b>	√ √ √	<b>√</b>	√ √	<b>√</b>
35 36 37 38	C C C C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL	√ √ √ 7	4	<b>√</b>	<b>√</b>	<b>√</b>	√ √ 6	✓	√ √ √ 7	<b>√</b>	<b>√</b>	<b>√</b>	√ √ √ 7	√ √ 6	√ √ √ 7	<ul><li>✓</li><li>✓</li><li>✓</li></ul>		√ √ √ 7	√ √ √ 7	√ √ √ 7	√ √ √ 6	√ √ √ 7	√ √ 3	<b>√</b>	<b>√</b>
35 36 37	C C C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL Agrilus auroguttatus	√ √ √	✓	√ √	√ √ √	√ √	<b>√</b>	<b>√</b> <b>√</b>	√ √ √	<b>√</b>	√ √	<b>√</b>	\ \ \	<b>√</b>	√ √ √	<b>√</b>	<b>√</b>	\ \ \	<b>√</b>	√ √ √	<b>√</b>	√ √ √	<b>√</b>	√ √	<b>√</b>
35 36 37 38	C C C C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL Agrilus auroguttatus Candidatus Liberibacter	√ √ √ 7	4	√ √	√ √ √	√ √ √	√ √ 6	√ √ √ 6	√ √ √ 7	<b>√</b>	√ √	<b>√</b>	√ √ √ 7	√ √ 6	✓ ✓ ✓ <b>7</b>	<ul><li>\ \ \ \</li><li>6</li><li>\ \</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ <b>7</b>	√ √ √ <b>7</b>	√ √ √ 6	√ √ √ <b>7</b>	√ ✓ 3	√ √ √	✓ ✓ ✓ <b>7</b>
35 36 37 38 39	C C C D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL Agrilus auroguttatus	√ √ √ 7	4	√ √	√ √ √	√ √	√ √ 6	<b>√</b> <b>√</b>	√ √ √ 7	<b>√</b>	√ √	<b>√</b>	√ √ √ 7	√ √ 6	√ √ √ 7	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ 7	√ √ √ 7	√ √ √ 6	√ √ √ 7	√ √ 3	√ √	<b>√</b>
35 36 37 38 39	C C C D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum	√ √ √ 7	4	√ √	√ √ √	√ √ √	√ √ 6	√ √ √ 6	√ √ √ 7	<b>√</b>	√ √	<b>√</b>	√ √ √ 7	√ √ 6	✓ ✓ ✓ <b>7</b>	<ul><li>\ \ \ \</li><li>6</li><li>\ \</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ <b>7</b>	√ √ √ <b>7</b>	√ √ √ 6	√ √ √ <b>7</b>	√ ✓ 3	√ √ √	✓ ✓ ✓ <b>7</b>
35 36 37 38 39 40	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis	√ √ √ 7	4	√ √	√ √ √	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	√ √ 6	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	✓ ✓ ✓ ✓ ✓	<ul><li>✓</li><li>✓</li><li>6</li></ul>	√ √	<b>√</b>	√ √ √ 7	√ √ 6	✓ ✓ ✓ <b>7</b> ✓	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ 7 √	✓ ✓ ✓ <b>7</b> ✓	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	√ √ √ <b>7</b>	√ ✓ 3 ✓	√ √ √	✓ ✓ ✓ ✓ ✓
35 36 37 38 39 40	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus	√ √ √ 7	4	√ √	√ √ √	√ √ √	√ √ 6	√ √ √ 6	√ √ √ 7	<b>√</b>	√ √ √	<b>√</b>	√ √ √ 7	√ √ 6	✓ ✓ ✓ ✓ ✓	<ul><li>\ \ \ \</li><li>6</li><li>\ \</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ <b>7</b>	√ √ √ <b>7</b>	√ √ √ 6	√ √ √ <b>7</b>	√ ✓ 3	√ √ √ 6	✓ ✓ ✓ <b>7</b>
35 36 37 38 39 40	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector	√ √ √ 7	4	√ √	√ √ √	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	√ √ 6 √ √	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	√ √ √ 7 √ √	<ul><li>✓</li><li>✓</li><li>6</li></ul>	√ √ √	<b>√</b>	√ √ √ 7	<ul><li>✓</li><li>✓</li><li>6</li><li>✓</li><li>✓</li></ul>	√ √ √ 7 7 √	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ 7 √	✓ ✓ ✓ ✓ ✓ ✓	√ √ √ 6 6 ✓ ✓	√ √ √ <b>7</b>	√ 3 √ √	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	✓ ✓ ✓ ✓ ✓
35 36 37 38 39 40 41	C C C C D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus	√ √ √ 7	4	√ √	√ √ √	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	√ √ 6	<ul><li>✓</li><li>✓</li><li>✓</li></ul>	✓ ✓ ✓ ✓ ✓	<ul><li>✓</li><li>✓</li><li>6</li></ul>	√ √ √	<b>√</b>	√ √ √ 7	√ √ 6	✓ ✓ ✓ <b>7</b> ✓	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	<b>√</b>	√ √ √ 7	√ √ √ 7 √	✓ ✓ ✓ <b>7</b> ✓	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	√ √ √ <b>7</b>	√ ✓ 3 ✓	√ √ √ 6	✓ ✓ ✓ ✓ ✓
35 36 37 38 39 40 41 42 43 44 45	C C C C D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima	√ √ √ 7 7	4	√ √	√ √ √ 7	* * * * * * * * * * * * * * * * * * *	√ √ 6 √ √	√ √ √ 66 ✓ √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	√ √ 6	√ √ √	√ √ 5	√ √ √ 7 7 √ √	<ul><li>✓</li><li>✓</li><li>6</li><li>✓</li><li>✓</li></ul>	√ √ √ 7 7 √ √ √	\( \frac{1}{2} \)	√ √ 5	√ √ √ 7 7 √	√ √ √ 7 √ √	√ √ √ √ √ √ √ √	√ √ √ 6 ✓ ✓ ✓	√ √ √ √ 7 7 √	√ 3 √ √	√ √ √ √ √	√ √ √ 7 7 √ √
35 36 37 38 39 40 41 42 43 44 45 46	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus	\frac{\sqrt{1}}{\sqrt{2}}	4	√ √	√ √ √ 7	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> </ul>	√ √ 6 √ √	<ul><li>✓</li><li>✓</li><li>✓</li><li>✓</li></ul>	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\$\frac{1}{\sqrt{1}}\$\$	√ √ √	√ √ √ 5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<ul><li>✓</li><li>✓</li><li>6</li><li>✓</li><li>✓</li></ul>	√ √ √ 7 7 √ √ √ √	\(  \)	√ √ 5	√ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ √ √ √ √ √ √ √ √	\( \sqrt{1} \) \( \sq	V V V V V V V V V V V V V V V V V V V	\( \frac{1}{3} \)	√ √ √ √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √ 6 √ √	√ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \dagger \) \(	V V V V V V V V V V V V V V V V V V V	√ 3 3 √ √ √	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus	\frac{\sqrt{1}}{\sqrt{2}}	4	√ √	√ √ √ 7	* * * * * * * * * * * * * * * * * * *	√ √ 6 √ √	√ √ √ 66 ✓ √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\$\frac{1}{\sqrt{1}}\$\$	√ √ √	√ √ 5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<ul><li>✓</li><li>✓</li><li>6</li><li>✓</li><li>✓</li></ul>	√ √ √ 7 7 √ √ √ √	\(  \)	√ √ 5	√ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ √ √ √ √ √ √ √ √	\( \sqrt{1} \) \( \sq	V V V V V V V V V V V V V V V V V V V	√ 3 3 √ √ √	√ √ √ √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √ 6 √ √	√ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \dagger \) \(	V V V V V V V V V V V V V V V V V V V	√ 3 3 √ √ √	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	C	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp.	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ 8	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \dagger \) \(	V V V V V V V V V V V V V V V V V V V	√ 3 3 √ √ √	\( \sqrt{\sqrt{\chi}} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	C C C C C D D D D D D D D D D E E E E	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \dagger \) \(	V V V V V V V V V V V V V V V V V V V	√ 3 3 √ √ √	\( \sqrt{\sqrt{\chi}} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	C C C C C D D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne luci	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ 8	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	V V V V V V V V V V V V V V V V V V V	\( \frac{1}{3} \)	\( \sqrt{\sqrt{\chi}} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	C C C C C D D D D D D D D D D E E E E	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ 8	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	V V V V V V V V V V V V V V V V V V V	√ 3 3 √ √ √	\( \sqrt{\sqrt{\chi}} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54	C C C C C C D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ 8	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	V V V V V V V V V V V V V V V V V V V	\( \frac{1}{3} \)	\( \sqrt{\sq}}}}}}}\sqrt{\sq}}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55	C C C C C C D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora ramorum Sirococcus tsugae	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 4 4 6 6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ 6 6 6 6 6	\( \frac{1}{3} \)	\( \sqrt{\sq}}}}}}}\sqrt{\sq}}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 50 51 52 53 54 55 56	C C C C C C D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora ramorum Sirococcus tsugae Tomato brown rugose fruit virus	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 4 4 6 6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ 8	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	V V V V V V V V V V V V V V V V V V V	\( \sqrt{1} \)	\( \sqrt{\sq}}}}}}}\sqrt{\sq}}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57	C C C C C D D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus  TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne graminicola Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora ramorum Sirococcus tsugae Tomato brown rugose fruit virus lato	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ 6 6 √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 4 4 6 6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\( \frac{\sqrt{\chi}}{\sqrt{\chi}} \)	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ 6 6 6 6 6	\( \sqrt{1} \)	\( \sqrt{\sq}}}}}}}\sqrt{\sq}}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 50 51 52 53 54 55 56	C C C C C C D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne graminicola Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora Phytophthora ramorum Sirococcus tsugae Tomato brown rugose fruit virus lato Xylosandrus compactus	\( \frac{\sqrt{1}}{\sqrt{2}} \)	√ 4 √ 2 2	√ √ √ 6	√ √ √ √ √ √ √ √	\( \sqrt{\chi} \)	\(  \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \sqrt{1} \) \( \sq	\( \frac{1}{2} \)	4 4 4 1	√ √ √ 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	√ √ 66 √ √ √ 44 44 44 44 44 44 44 44 44 44 44	V V V V V V V V V V V V V V V V V V V	\( \frac{1}{2} \)	ý 5 1	\frac{1}{\sqrt{1}}	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{2} \)	\( \sqrt{\chi} \)	√ √ √ √ √ √ √ √ 7
35 36 37 38 39 40 41 42 43 44 45 46 47 50 51 52 53 54 55 56 57 58	C C C C C C D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora ramorum Sirococcus tsugae Tomato brown rugose fruit virus lato Xylosandrus compactus TOTAL	√ √ √ √ 7 7 √ √	4	√ √ √ 6	√ √ √ <b>7</b>	√ √ √ √ √ √ √ √ √	√ √ 6 √ √ ✓	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 4 4 6 6	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\frac{\sqrt{\sqrt{\sqrt{\chi}}}{\sqrt{\chi}} \frac{\sqrt{\chi}}{\sqrt{\chi}} \frac{\sqrt{\chi}	√ √ 6 √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	√ √ 5	√ √ √ √ √ √ √ √ √ √	\( \frac{\sqrt{\chi}}{\sqrt{\chi}} \)	\( \frac{\sqrt{1}}{\sqrt{2}} \)	\( \sqrt{\chi} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ 6 6 6 6 6	\( \frac{1}{3} \) \( \frac{1}{	\( \sqrt{\sq}}}}}}}\sqrt{\sq}}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	C C C C C C D D D D D D D D D D D D D D	Meloidogyne chitwoodi Golden et al. and Meloidogyne fallax Popillia japonica Ralstonia solanacearum Synchytrium endobioticum TOTAL  Agrilus auroguttatus Candidatus Liberibacter solanacearum Geosmithia morbida Kolarík et al. and its vector Pityophthorus juglandis Polygraphus proximus Rose rosette virus and its vector Phyllocoptes fructiphilus Scaphoideus titanus Thekopsora minima Tomato leaf curl New Delhi virus Xylosandrus crassiusculus TOTAL  Citrus bark cracking viroid Litylenchus sp. Meloidogyne graminicola Meloidogyne graminicola Meloidogyne luci Neonectria neomacrospora Phytophthora Phytophthora Phytophthora Tomato brown rugose fruit virus lato Xylosandrus compactus TOTAL  Anastrepha ludens (Loew)	\( \sqrt{1} \) \( \sq	√ 4 √ 2 2	√ √ √ 6	√ √ √ √ √ √ √ √	\( \sqrt{\chi} \)	\(  \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{\sqrt{1}} \)	1 1	√ √ √ 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	√ √ 66 √ √ √ 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ ✓	\( \frac{1}{2} \)	√ √ 5 1 0	\frac{1}{\sqrt{1}}	\( \frac{\sqrt{\chi}}{\sqrt{\chi}} \)	V V V V V V V V V V V V V V V V V V V	\( \frac{1}{\sqrt{1}} \)	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	\( \frac{1}{3} \) \( \frac{1}{	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √	√ √ √ √ √ √ √ √ 7
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