

632.9:634.1+634.2

**ERWINIA AMYLOVORA PSEUDOMONAS SYRINGAE PV.
SYRINGAE**

Erwinia amylovora *Pseudomonas syringae pv. syringae* . - . .
Erwinia amylovora *Pseudomonas syringae pv. syringae*
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Biological properties of *Erwinia amylovora* and *Pseudomonas syringae* pv. *syringae* from different ecological niches. – **M.I. Demchynska.** – It was shown, that strains of *Erwinia amylovora* and *Pseudomonas syringae* pv. *syringae* are heterogenic on intensity acquiring of substances and aggressiveness. Their properties are influenced by an ecological niche and time of abjection during a growing season. Strains, discharged in the period of active contagious process are more aggressive, but are less active at using of nutrients.

Key words: bite blight, bark necrosis, ecological niches, biological properties

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- *Erwinia*
- *amylovora* (Burril) Winslow et al. [10]
- *Pseudomonas syringae* pv. *syringae* van Hall [11].
[3, 4].

- *Erwinia amylovora*
- *Pseudomonas syringae* pv. *syringae*
[10].

[2]. [5, 10],

20 10
(100) 30 ,
0,1 3.

[6].

E. amylovora (1.). (34,4% 20,4%)

5-8%.

[8].

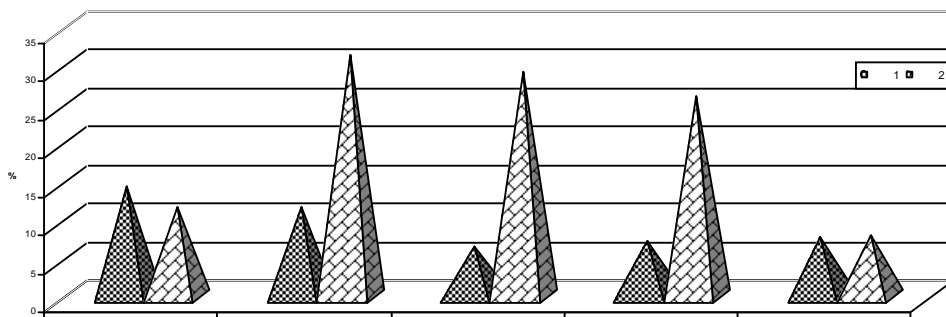
P. syringae pv. *syringae* (1.).

18,0

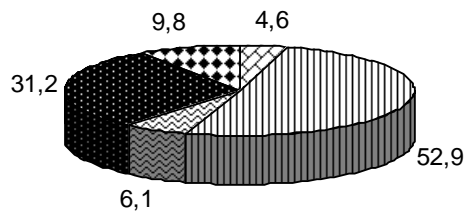
(12,5%). *E.*

amylovora *P. syringae* pv. *syringae* *Pantoea agglomerans*, *Pseudomonas* spp., *P. fluorescens* (2.).

[1] [7].



1. *Pseudomonas syringae* pv. *syringae* *Erwinia amylovora*



2. *Pseudomonas syringae* *Pseudomonas* sp. *Erwinia* sp. *Pantoea agglomerans* *Erwinia amylovora*

2.

P. syringae pv. *E. amylovora*
 47-49% (.1).
 -56,6%, (34, 49, 153, 168),
 (45,0 45,8%). (10, 56, 118,
E. amylovora 118).
 12-14% *E. amylovora*
 - 13,6%, *P. syringae* pv. *syringae*
 - 14,2%,
 - 11,5%. (.1).
 1. *Erwinia amylovora* *Pseudomonas syringae* pv. *syringae*

	<i>Erwinia amylovora</i>		<i>Pseudomonas syringae</i> pv. <i>syringae</i>	
	10, 56, 118, 121	34, 49, 153, 168	18, 28, 44, 45	21, 22, 103, 213
	+	+	+	2+
	+	2+	3+	3+
	3+	4+	3+	4+
	+	3+	2+	3+
	+	+	+	3+
	+	2+	+	+
	+	+	+	2+
	2+	2+	2+	3+
	+	2+	2+	3+

45, 44,
 18, [4]
 103, 213,
 [3] *syringae* pv. *syringae* 28,
 (.2).
P. syringae pv. *syringae*
E. amylovora *P. syringae* pv. *syringae* *P. syringae* pv. *syringae*,
E. amylovora
P. syringae pv. *syringae* *P. syringae* pv. *syringae*

[9].

2. *P.syringae* pv. *syringae*

28, 44, 45, 73, 80 174, 143, 176, 213	1 1 0 0	0 0 0 0
30, 24, 79 177, 144, 108, 210, 262, 248, 103	4 2 2 1	4 4 3 3

2 *E.amylovora*

4-5

3. *P.syringae* pv. *syringae* *E.amylovora*

E.amylovora	9, 10, 222	56, 64, 118	121, 153	64 , 88 ,	125 , 153	158 , 194	34, 49, 101	38, 136, 168	97, 98, 170
	4	3	2	3	1	1	2	1	1
P.syringae pv.syringae	28, 44, 45	73, 80	143, 174	73 , 104	173 , 210 , 211	104 , 245	109, 110, 178	111, 112, 150	114, 115, 183
	4	4	3	4	2	1	3	1	1

Erwinia amylovora *Pseudo-*
monas syringae pv. *syringae*

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