

( )

## Uncinula necator

//

*Uncinula necator* (Schw.)

Burr.

(%)

/

*Podosphaera* ( ) *pannosa* (Wallr.) Lev.

( ) *leucotricha* (Ell. & Ev.) Salm.

(%)

( )

*U. necator*

( )

*Uncinula* (Schw.)Burr.

*E.* ( ) *Erysiphe graminis* DC.( ) *necator*

( ) *polygoni* DC.

)

.(

*Sphaerotheca* ( ) *E. cichoracearum* DC. ex Merat

( )  
*U. necator*

( )

( )

( )

( )

( ) ( ) ( )

( )

*U. necator*

$\text{Na}_2\text{SO}_4$   $\text{NaCl}$   $\text{Na}_2\text{Cr}_2\text{O}_7$   
(VPD)

( )

*U. necator*

( )

( )

)

( )

(

(

*U. necator*

Settling tower

$\text{Na}_2\text{SO}_4$   $\text{NaCl}$   $\text{Na}_2\text{Cr}_2\text{O}_7$

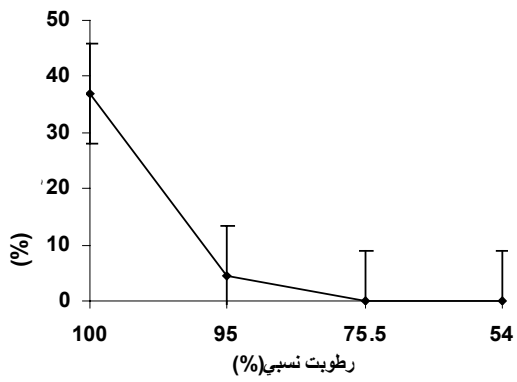
SAS

Excell

) VPD

( )

(  $P < /$  )



( )

(% )

.( )

*U.*  
(Bar)

*necator*

VPD

(Vapor pressure deficit)

VPD

( )

/

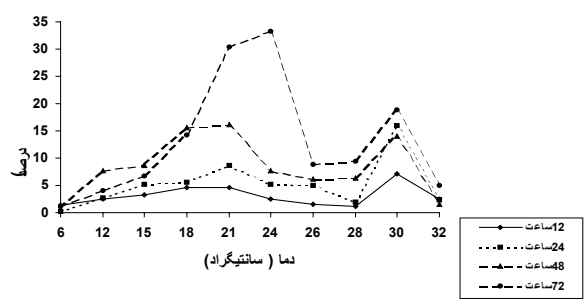
.( )

( )

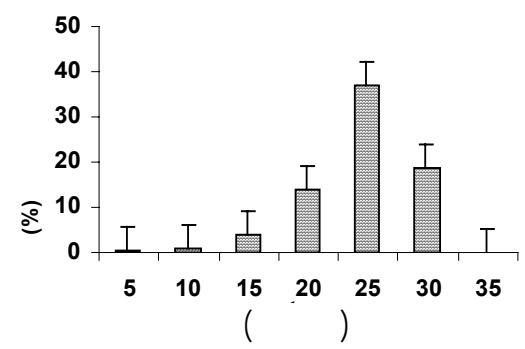
( P < / )

*U. necator*

<i>U. necator</i>		
F		
/ **	/	/
	/	/
P < /		**



*U. necator*



*U.*

(Bar)

*necator*

( ) .

P < /

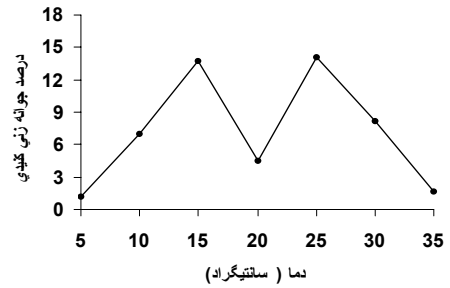
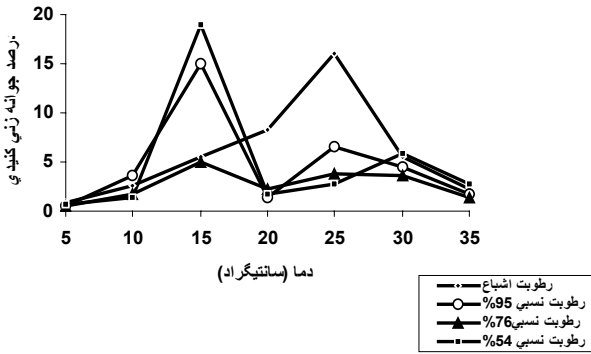
*U. necator*

F	
/ **	
/ **	
/ **	x
P < / **	

*U. necator*

( P < / )

F	
/ **	/
/ **	/
/ **	/
P < / **	



*U. necator*

*U. necator*

*U. necator*

F	
/ **	/
/	/
P < / **	

*U. necator* VPD % ( )  
 ( ) % VPD  
 / / *U. necator* ( )  
*U. necator* / ( )  
 ( ) ( )  
*U. necator*  
 ( ) ( )  
*E. graminis* f. sp  
*S. humuli* ( ) *hordei*  
 ( )  
*Leveillula* (Sorok) Golovin ( ) *P. clandestine*  
 ( ) *saxaouli*  
 ( )  
*U. necator*  
 ( )  
 ( )  
 ( )  
 % *U. necator*

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...

:

*S. pannosa*

*S. pannosa*

.( )

*U. necator*

*U. necator*

( )

*U. necator*

%

.( )

%

%

( )

%

( )

RAPD-PCR

.( )

.( )

Erysiphaceae

.( )

*Phyllactinia*

( )

*Leveillula*

( )

*S. pannosa*

( )

*Quercus robur* L.

*U. necator*

*Microsphaera* Riff. & Maubl

( )

*alphitoides*

( )

*S. pannosa*

( )

%

( )

*L. saxaouli*

%

%

%

( )

*U.necator*

%

*S. pannosa*

( )

( )

*S. pannosa* var. *persicae*

%

( )

%

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RAPD-PCR

*Leveillula saxaouli*

*Uncinula necator*



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