

( )

(mating types)

*Gibberella fujikuroi*

\*

( // : // : )

*Gibberella fujikuroi*

SNA

*MATA-2 MATA-1*

D C A

% % %

*MATD-2 MATD-1 MATC-2 MATC-1*

D C A

D

D

A

(*Fusarium fujikuroi*) C

(*Fusarium verticillioides*)

(*Fusarium proliferatum*) D

*Gibberella fujikuroi* species complex :

(.)

(.)

(.)

C A . ( ) I A  
D

C ( ) . ( )  
D A

. ( ) . ( )

*G. fujikuroi* *Fusarium* . ( )

. ( )

(  
( ) . ( )  
*F. moniliforme* ( )

*F. fujikuroi* ( )

( / )  
PDA

*MAT-2 MAT-1*

/ *MAT-2 MAT-1 MAT*

( (Idiomorph)

SNA ( )  
°C

*G. fujikuroi*

- 
- 1. Section Liseola
  - 2. Dimictic
  - 3. *Gibberella fujikuroi* species complex

... (mating types)

:

(

Carrot Agar

D C A

*MATC- MATC-1 MATA-2 MATA-1*

*MATD-2 MATD-1 2*

( )

° C

( ) D

° C

)

A (

*MATA-1*

(

( A )

C

*MATC-1*

*MATC-2*

*MATD-1*

D

*MATD-2*

( )

D C

( B ) (false-heads)

D

) C A

% A

(

D

% C

( )

D



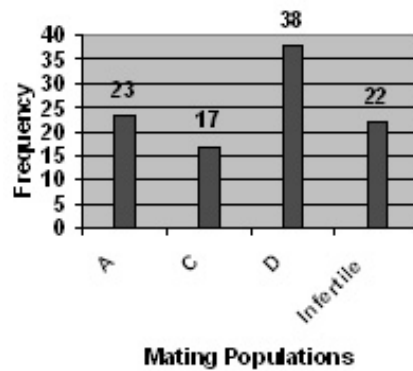
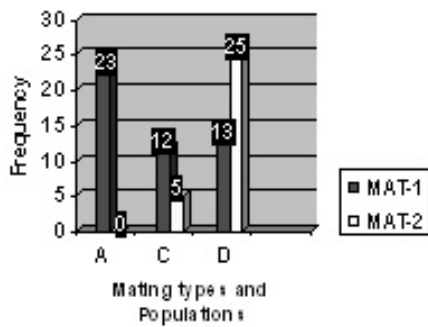
*Gibberella* ( / ml )

*fujikuroi*

جدول ۱ - وضعیت سازگاری جنسی در تعدادی جدایه *Gibberella fujikuroi* بدست آمده از بوته های آلوده برنج در مناطق مختلف استان گیلان در آزمایشگاه

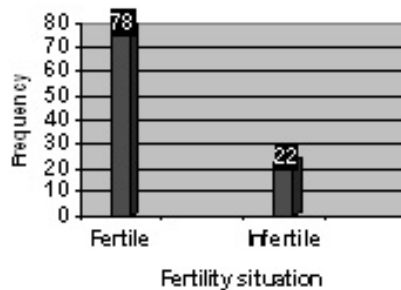
Gf-272	Gf-266	Gf-256	Gf-254	Gf-252	Gf-167	Gf-165	Gf-159	
-	+	-	-	-	-	-	-	Gf-159
-	-	-	+	-	-	-	-	Gf-165
+	-	-	-	-	-	-	-	Gf-167
-	-	+	-	-	-	-	-	Gf-252
-	-	-	-	-	-	+	-	Gf-254
-	-	-	-	+	-	-	-	Gf-256
-	-	-	-	-	-	-	+	Gf-266
-	-	-	-	-	+	-	-	Gf-272

+



شکل ۳- فراوانی الیهای *MAT-1* و *MAT-2* در جمعیت های آمیزشی *Gibberella fujikuroi* در A، C و D در جدایه های

شکل ۲- فراوانی جمعیت های آمیزشی A، C و D در جدایه های *Gibberella fujikuroi*



شکل ۴- مقایسه فراوانی جدایه های بارور (fertile) و نابارور (infertile) در جمعیت *Gibberella fujikuroi*

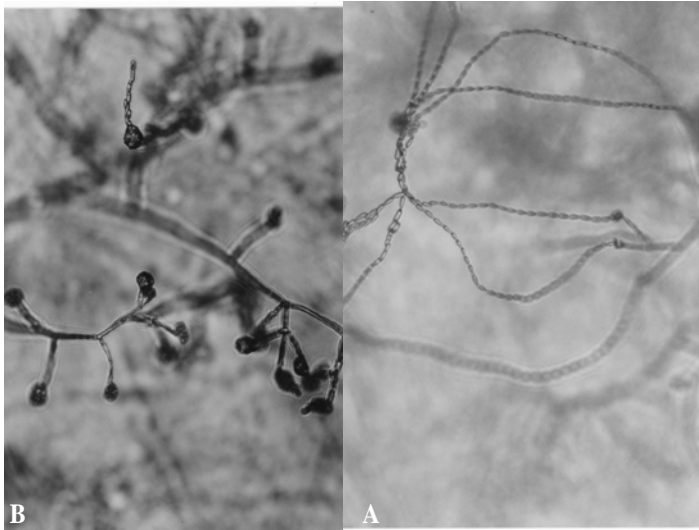
... (mating types)

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*Gibberella fujikuroi*

D		C		A	
MAT <sup>-2</sup>	MAT <sup>-1</sup>	MAT <sup>-2</sup>	MAT <sup>-1</sup>	MAT <sup>-2</sup>	MAT <sup>-1</sup>
	+				
+					
+					
	+				
	+				
+					
+					
	+				

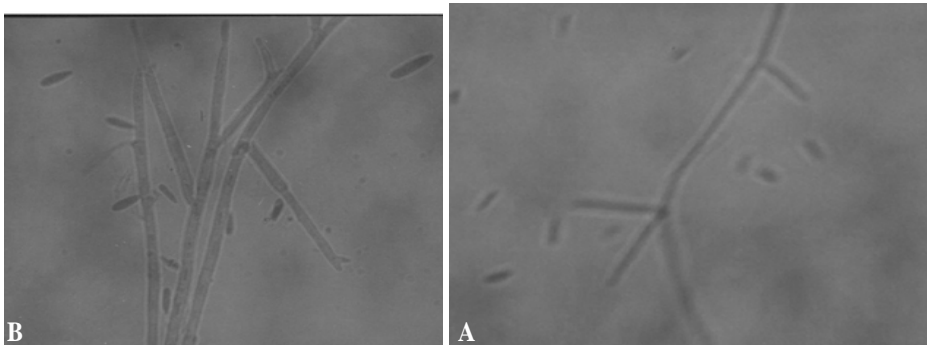
Gf-159  
Gf-165  
Gf-167  
Gf-252  
Gf-254  
Gf-256  
Gf-266  
Gf-272



(false-heads)

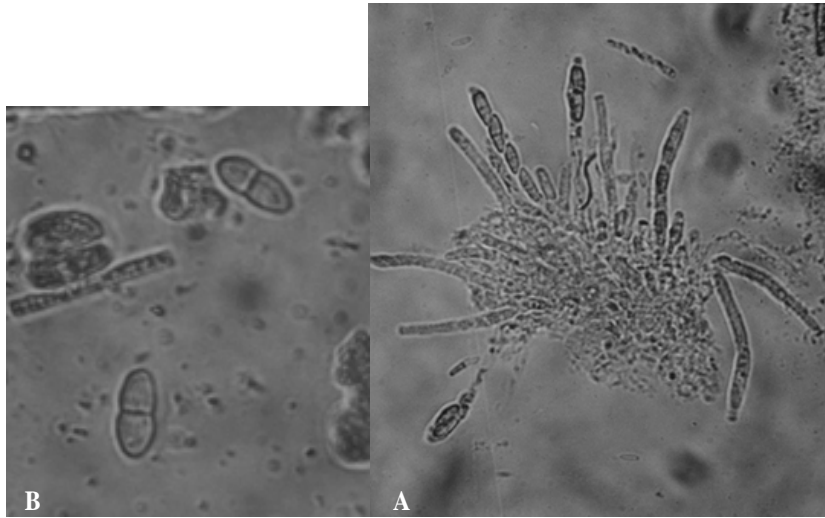
(B

(A



(B

(A. *Gibberella fujikuroi*



(A)

*Gibberella fujikuroi*

(B)

*G. fujikuroi*

*G. fujikuroi*

( )

( )

*G. fujikuroi*

*F. verticillioides*

*MATA-1*

*MATA-2*

*F. fujikuroi*

*MATC-2*    *MATC-1*

... (mating types)

:

D

C A

*F. fujikuroi*

*MATA-2 MATA-1*

F. .

*MATD-2 MATD-1 MATC-2 MATC-1*

*F. proliferatum verticillioides*

%

(.)

F.

( )

*fujikuroi*

° C

(.)

(C

) *F. fujikuroi*

(A

) *F. verticillioides*

(D

) *F. proliferatum*

D

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... (mating types)

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