

( )

***Aspergillus flavus* Link**

\*

( / / : / / : )

*A. flavus*

*(nit)*

*nit*

*nit M* % *nit 3* % *nit 1* %

% /

*A. flavus*

*Aspergillus flavus :*

( )

( )

*A. flavus*

( )

*A. flavus*

*A. flavus* .( )

( )

	(Prototroph)	.( )
	.( )	.( )
	VCG	(VCGs)
<i>A. flavus</i>		
		)
		(
		.( )
		)
		Aspergillus flavus .(
		.( )
AFIM		
CZAPEK	] ( )	
		VCG
	DOX Agar	(Prototroph)
	(Rose bengal)	(auxotroph)
	(Botran)	(Dichloran)
		.( )

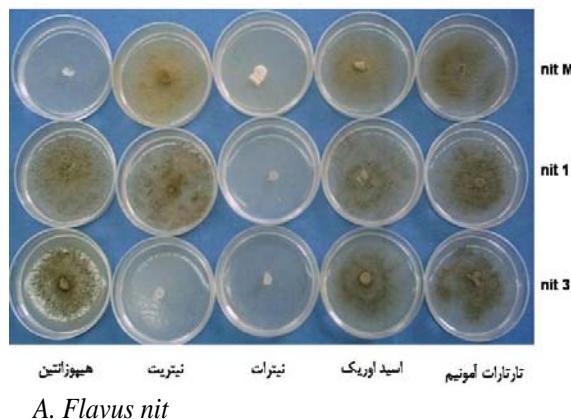
[ pH /

( / ) ( / ) ( / ) %  
/ ) ( ) ( / ) ( )  
nit X A. flavus  
nit 3 nit 1 nit M  
nit ( ) ( ) ( ) The Genus Aspergillus A. flavus  
nit ( ) CMI IMI  
) MMC ( /  
/ ( )  
pH / ( )  
% PDA KClO<sub>3</sub>  
pH  
A. ( ) A. flavus ) nit X ( ( ) ( )  
A. flavus MMC cm

AF<sub>4</sub>

*nit*

( )



*A. Flavus nit*

*nit*

*nit M*

*nit 3*

*nit 1*

( )

%

*nit*

( )

AF<sub>3</sub> AF<sub>2</sub> AF<sub>1</sub>

AF<sub>4</sub>

AF<sub>1</sub>

AF<sub>2</sub>

AF<sub>3</sub>

AF<sub>4</sub>

*nit*

*A. Flavus*

(

AF<sub>2</sub>

)

*A. Flavus*

*A. flavus*

( )

/

)

(

*A. flavus*

AF<sub>1</sub>

AF<sub>3</sub>

AF<sub>2</sub>

( )

VCG

*nit*

( )

*A. flavus*

( :

(

VCG

*A. flavus*

( )

) *nit L nit M*

*nit M*

(*nit 3 nit 1*

%

%

*nit M*

%

*A. flavus*

( )

*A. flavus*

*nit*

VCG

( )

( )

*A. flavus*

% / ( )  
( )

AF<sub>3</sub>

AF<sub>4</sub> AF<sub>2</sub> AF<sub>1</sub>

## REFERENCES

( )

*Magnaporthe grisea* (Hebert) Barr

(VCGs)

*Aspergillus*

*Aspergillus flavus*

6. Anonymous. 1966. *Aspergillus flavus*. C. M. I. Descriptions of pathogenic fungi and bacteria No. 91.
7. Anonymous. 1995. *Aspergillus flavus*. Mycopathologia. 132 :43-44.
8. Anonymous. 1990. *Aspergillus parasiticus*. C. M. I. Descriptions of pathogenic fungi and bacteria No. 994.
9. Bayman, P. & P. J. Cotty. 1991. Improved media for selecting nitrate nonutilizing mutants in *Aspergillus flavus*. Mycologia. 83: 311-316.
10. Bayman, P. & P. J. Cotty. 1991. Vegetative compatibility and genetic diversity in the *Aspergillus flavus* population of a single field. Can. J. Bot. 69: 1707-1711.
11. Bayman, P. & P. J. Cotty. 1993. Genetic diversity in *Aspergillus flavus*: association with aflatoxin production and morphology. Can. J. Bot. 71: 23-31.
12. Bell, D. K. & J. L. Crawford. 1967. A botran-amended medium for isolating *Aspergillus flavus* from peanuts and soil. Phytopathology. 57: 939-941.
13. Cotty, P. J. 1989. Virulence and cultural characteristics of two *Aspergillus flavus* strains pathogenic on cotton. Phytopathology. 79: 808-814

- ... :
14. McAlpin, C. E. & B. Mannarelli. 1995. Construction and characterization of a DNA probe for distinguishing strains of *Aspergillus flavus*. Applied and Environmental Microbiology 61: 1068-1072.
  15. McAlpin, C. E. & D. T. Wicklow. 2002. DNA fingerprinting analysis of vegetative compatibility groups in *Aspergillus flavus* from a peanut field in Georgia. Plant Disease. 86: 254-258.
  16. Novas, M. V. & D. Cabral. 2002. Association of mycotoxin and sclerotia production with compatibility groups in *Aspergillus flavus* from peanut in Argentina. Plant Disease. 86: 215-219.
  17. Papa, K. E. 1986. Heterokaryon incompatibility in *Aspergillus flavus*. Mycologia. 78: 98-101.
  18. Puhalla, J. E. 1985. Classification of strains of *Fusarium oxysporum* on the basis of vegetative compatibility. Can. J. Bot. 63: 179-183.
  19. Raper, K. B. & D. I. Fennell. 1965. The genus *Aspergillus*. The Williams & Wilkins Company, USA. 686p.

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