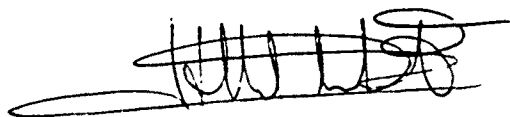


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DEPARTAMENTO DE BIOLOGIA ANIMAL  
CATEDRA DE VERTEBRADOS  
FACULTAT DE BIOLOGIA  
UNIVERSIDAD DE BARCELONA

Estudio sobre la biología y ecología del tritón pirenaico  
Euproctus asper (Dugès, 1852) en la Cerdanya.

Memoria redactada para optar  
al grado de Doctor en Ciencias  
Biológicas presentada  
por el Licenciado D. Alberto  
Montori Faura



Barcelona, a

de

Conforme, el Director  
Prof. Dr. D. Jacinto Nadal  
Puigdefàbregas, Catedrático  
de Vertebrados del Dept. de  
Biología Animal de la Fac. de  
Biología de la Univ. de Barcelona.

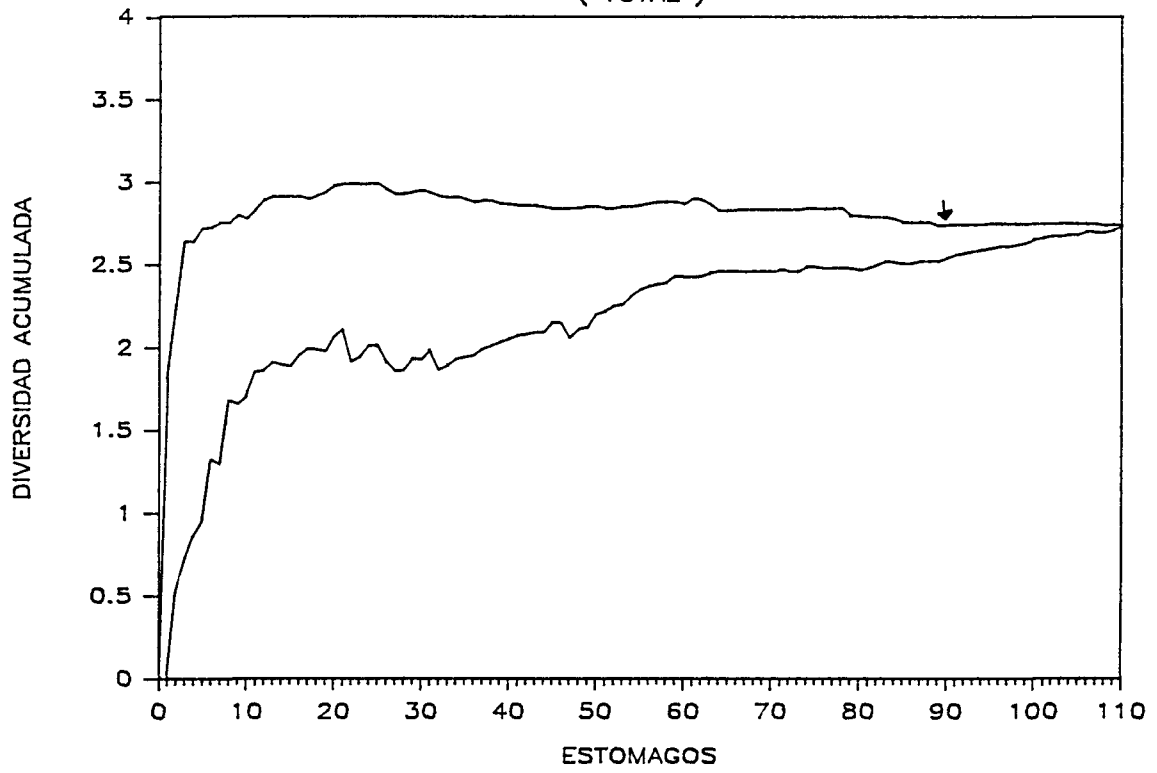


de 1988.

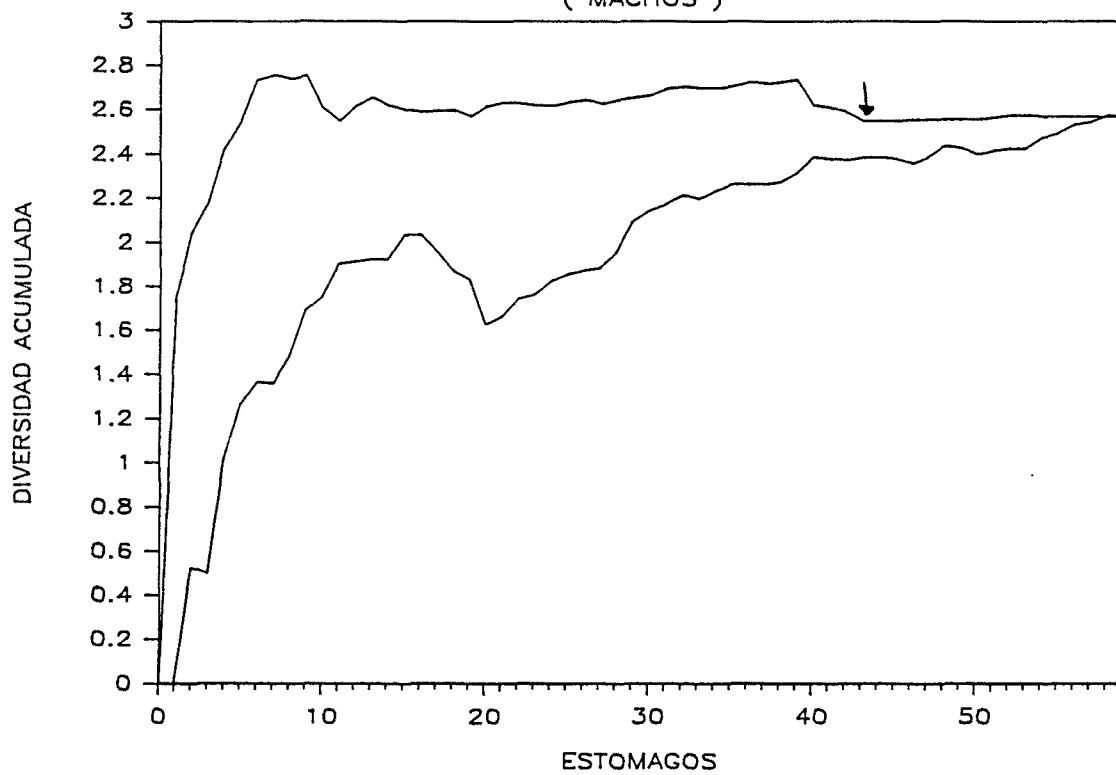
9- Apéndice de figuras de alimentación



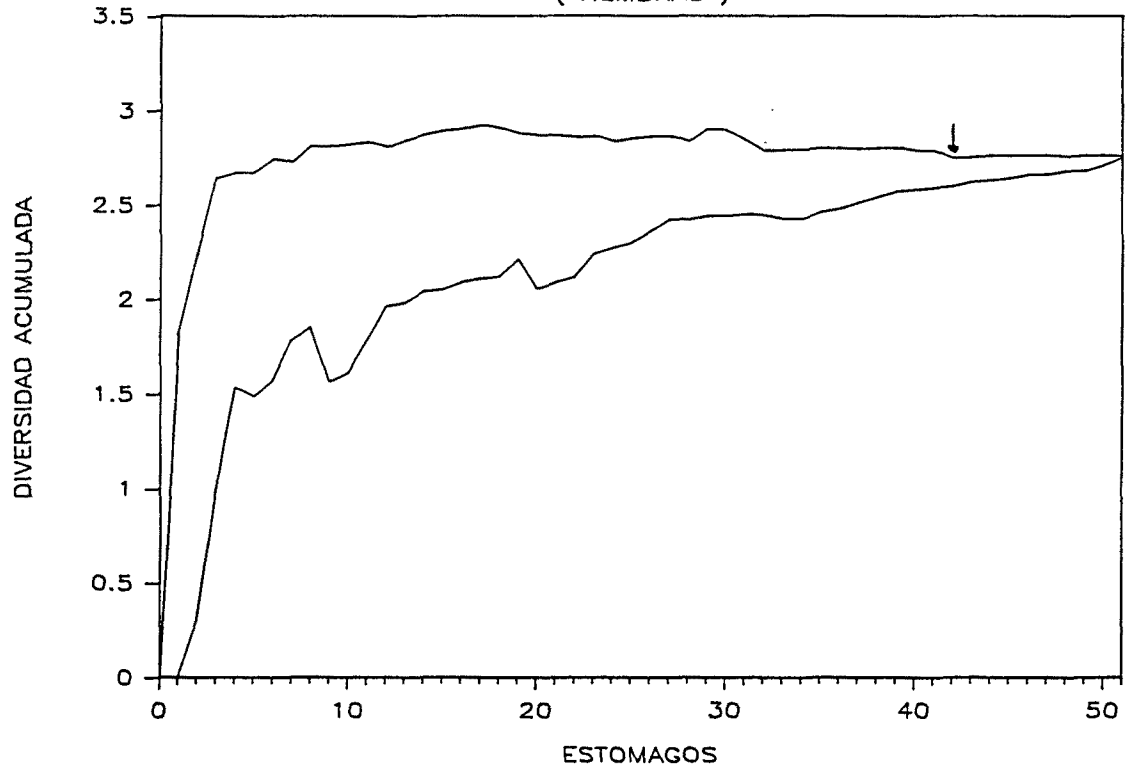
Euproctus asper VALL DE PI  
( TOTAL )



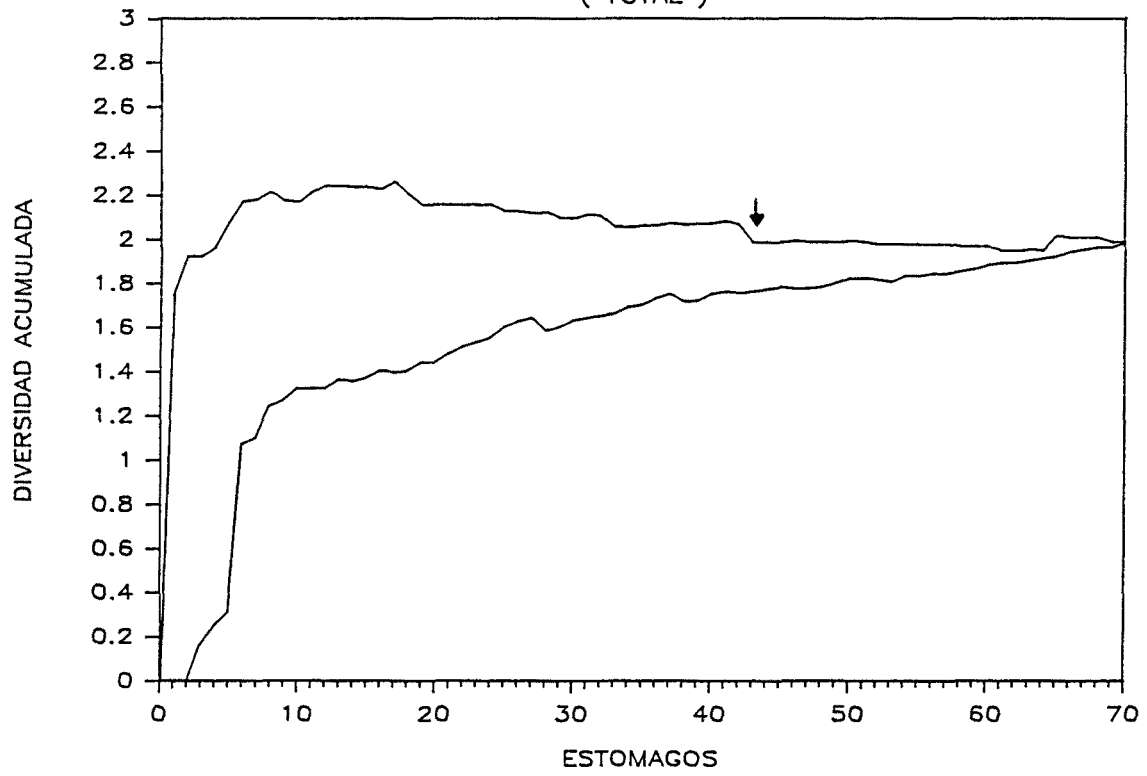
Euproctus asper VALL DE PI  
( MACHOS )



Euproctus asper VALL DE PI  
( HEMBRAS )

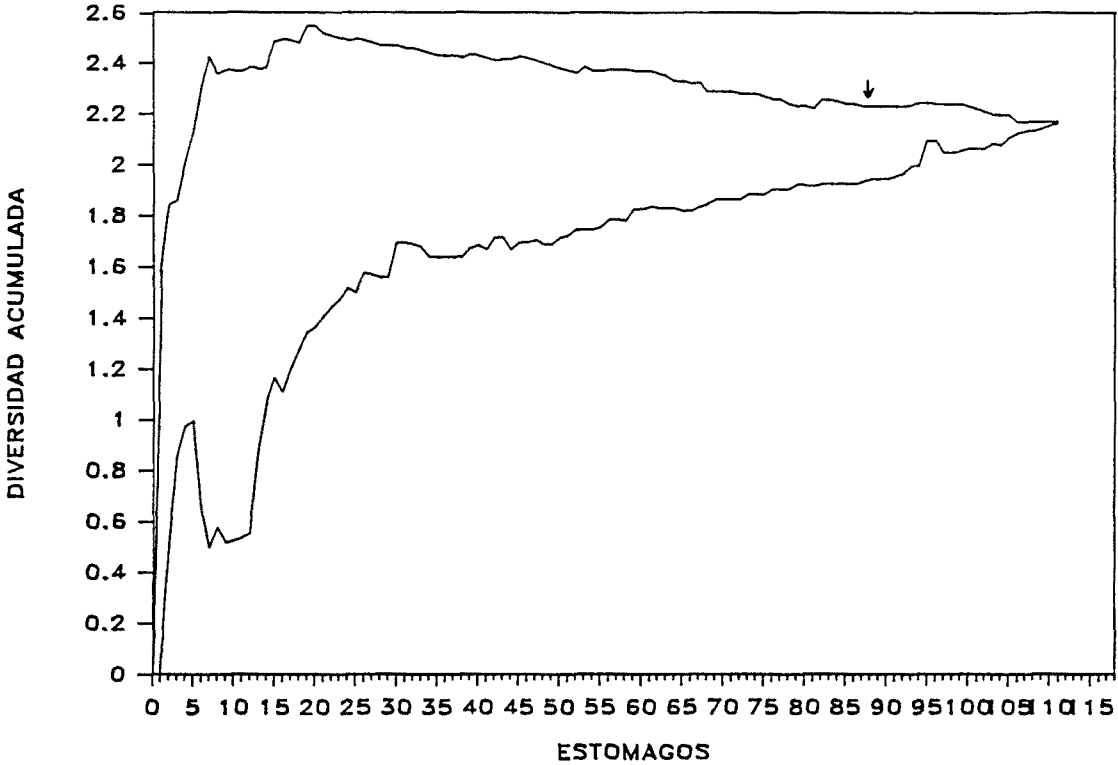


Euproctus asper VALL D'INGLA  
( TOTAL )

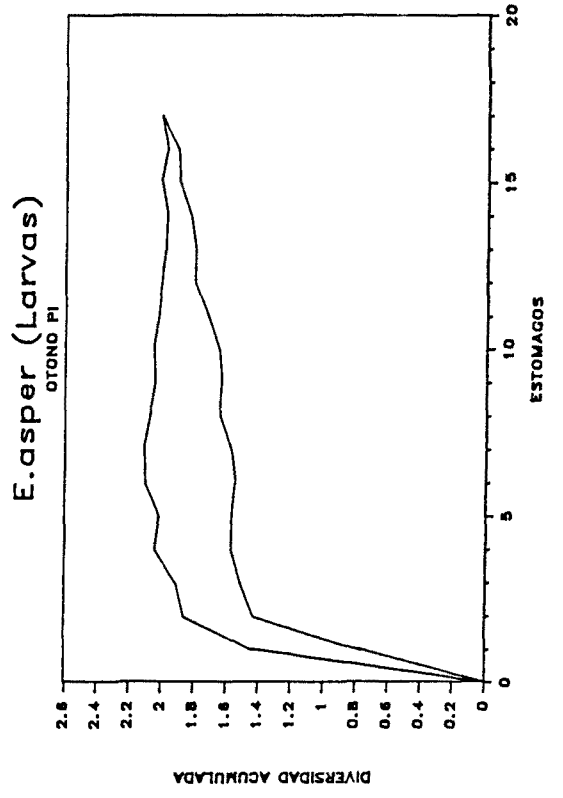
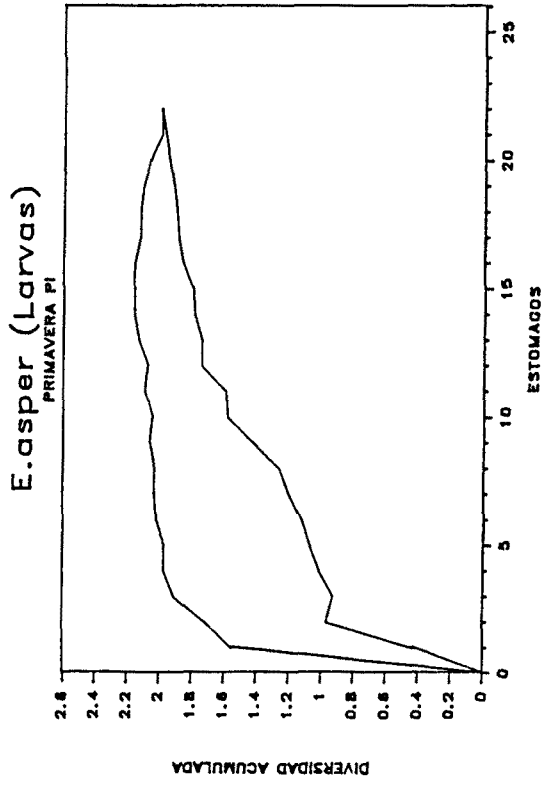
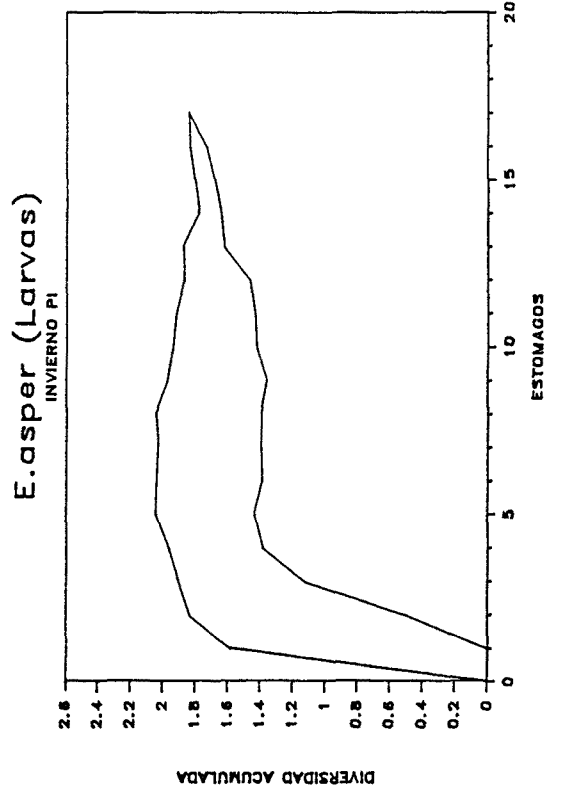
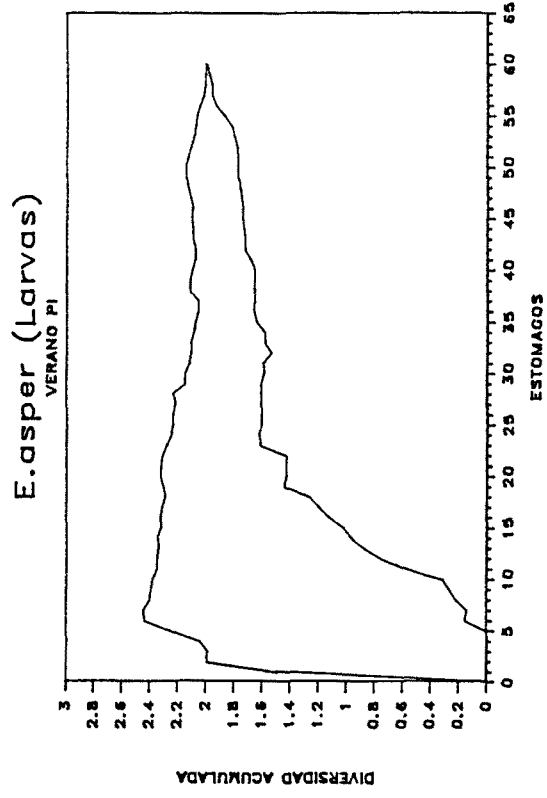


# E. asper (Larvas)

PI TOTAL







Numeracion de las presas en figuras dieta

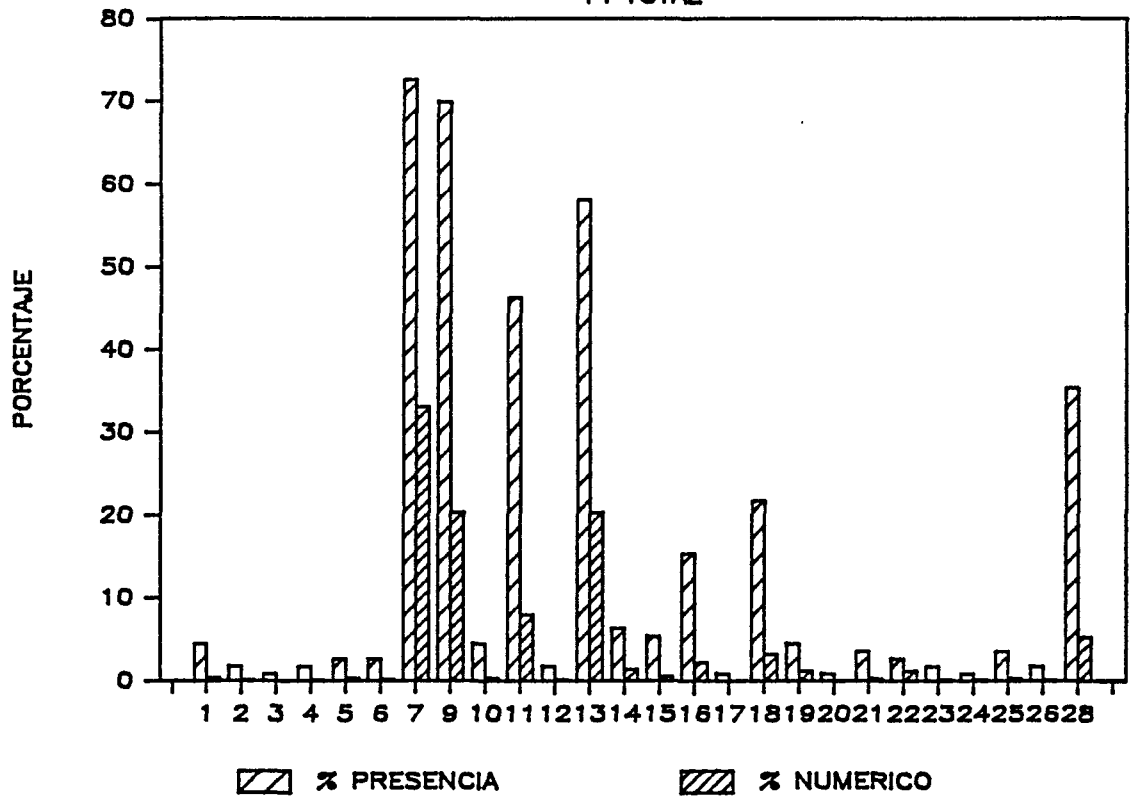
A	B	C	D
1			1 Orden Opisthopteros (Lumbriciformes en el texto)
	1	1	2 Orden Estilomatoforos
			3 Orden Triclados
			4 Orden Isopodos
		2	Orden Ostracodos
		3	Orden Copepodos
	2		Orden Julimorfos
	3		5 Orden Escolopendrimorfos
			6 Orden Polidesmidos
2	4	4	7 Orden Plecopteros (Larvas)
			8 Orden Plecopteros (Adultos)
3	5	5	9 Orden Ephemeropteros (Larvas)
			10 Orden Ephemeropteros (Adultos)
4	6	6	11 Orden Tricopteros (Larvas)
			12 Orden Ortopteros
5	7	7	13 Orden Dipteros (Larvas)
6			14 Orden Dipteros (Adultos)
			15 Orden Himenopteros
7	8		16 Orden Heteropteros
			17 Orden Homopteros
8	9	8	18 Orden Coleopteros (Larvas)
9	10	9	19 Orden Coleopteros (Adultos acuaticos)
10		9	20 Orden Coleopteros (Adultos terrestres)
	11		21 Orden Lepidopteros (Larvas)
11			22 Orden Lepidopteros (Adultos)
	12		23 Orden Araneidos
			24 Orden Opiliones
12	13	10	25 Orden Acaros
			26 Orden Urodelos
			27 Orden Dermapteros
	14		Orden Pseudoescorpiones
	15		Orden Colembolos
13	16		Orden Copepodos
14	17	11	28 No Identificados

A = S.salamandra (Larvas)  
 B = Recien Metamorfosados  
 C = E.asper (Larvas)  
 D = E.asper (Adultos y Subadultos)

Tabla 2.2

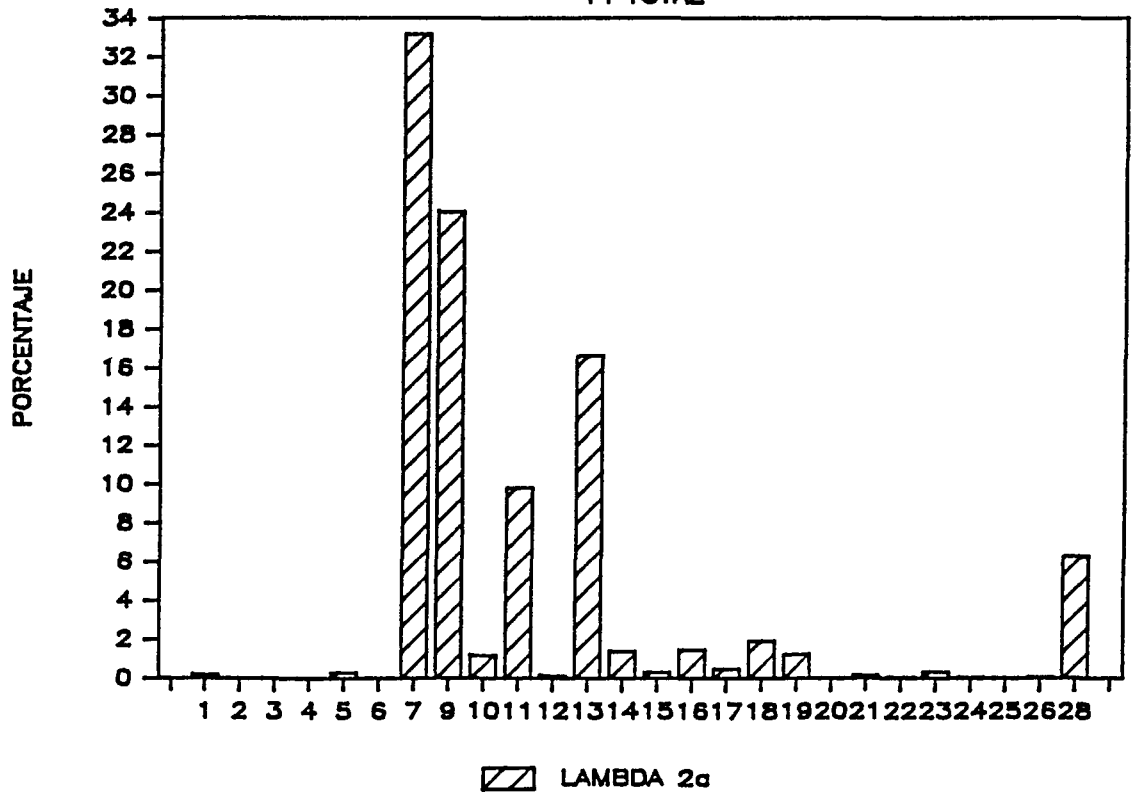
### E. asper

PI TOTAL



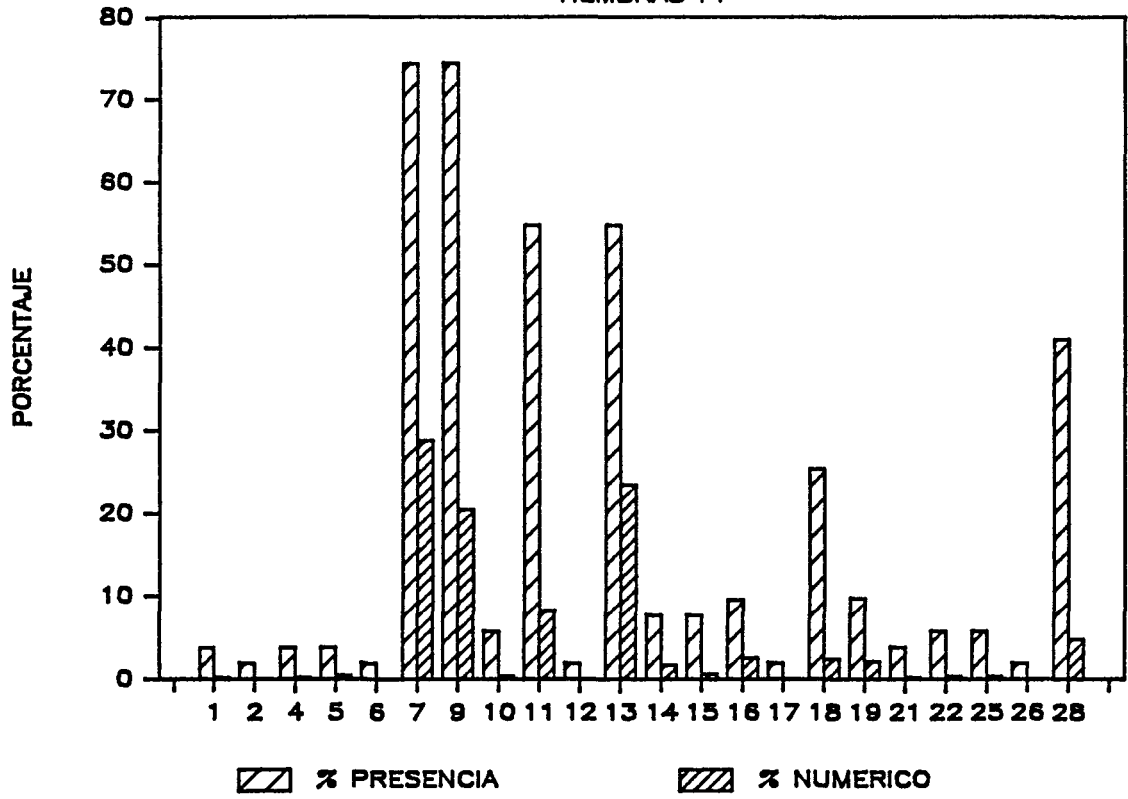
### E. asper

PI TOTAL



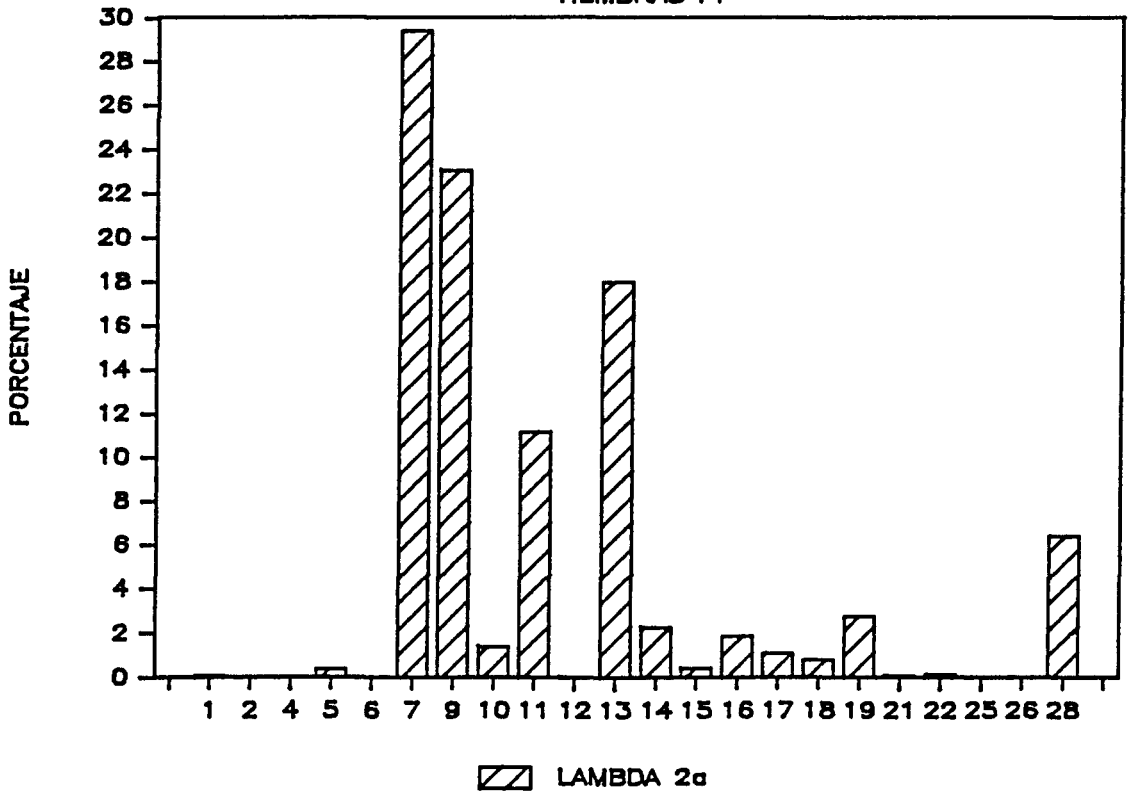
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HEMBRAS PI



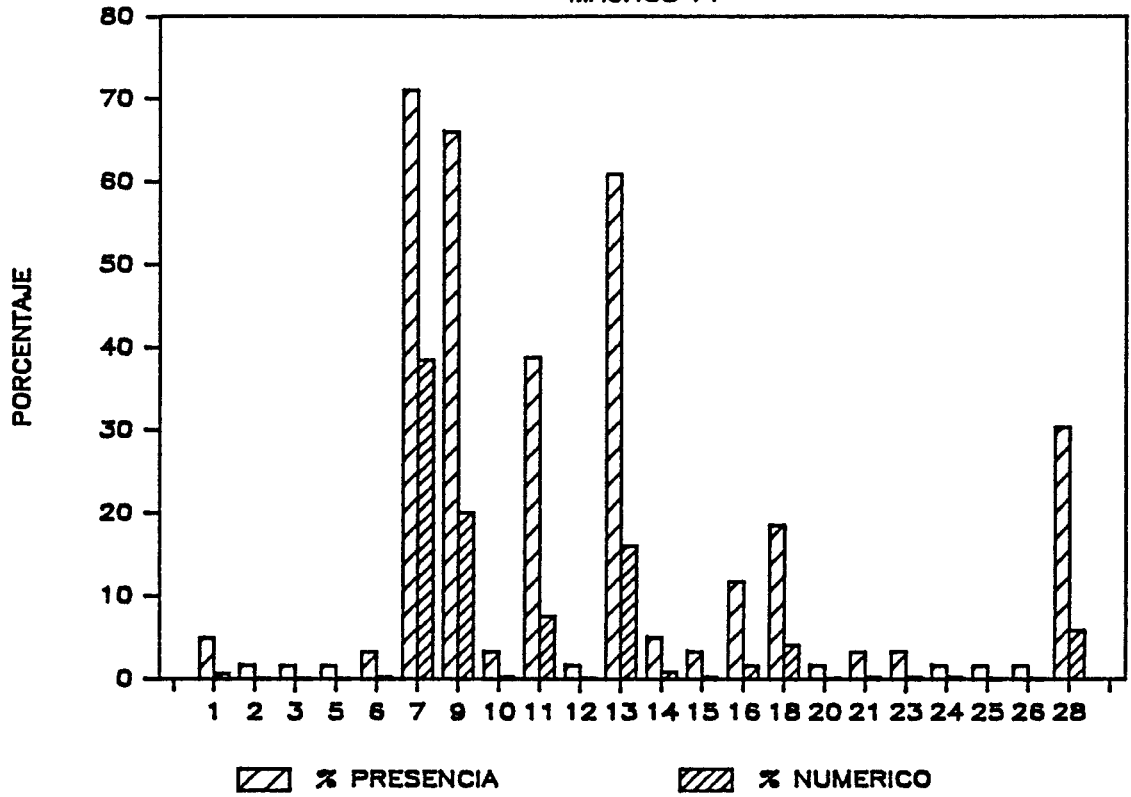
### E. asper

HEMBRAS PI



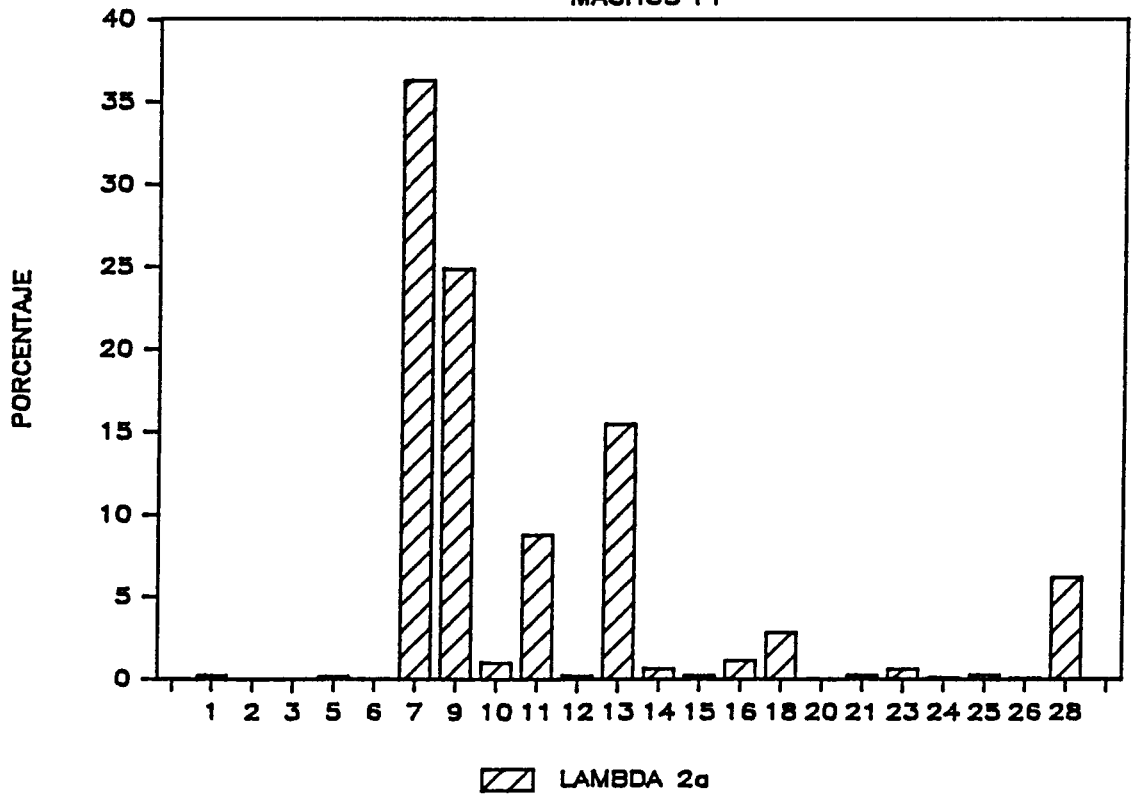
### E. asper

MACHOS PI



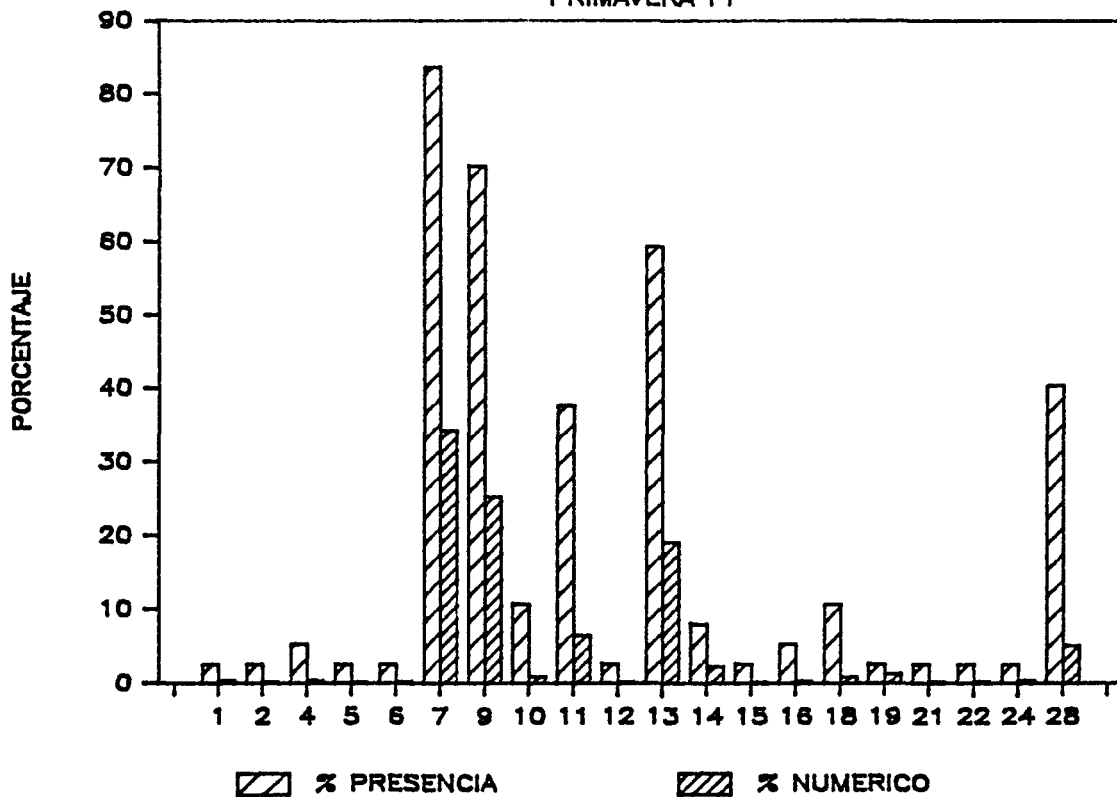
### E. asper

MACHOS PI



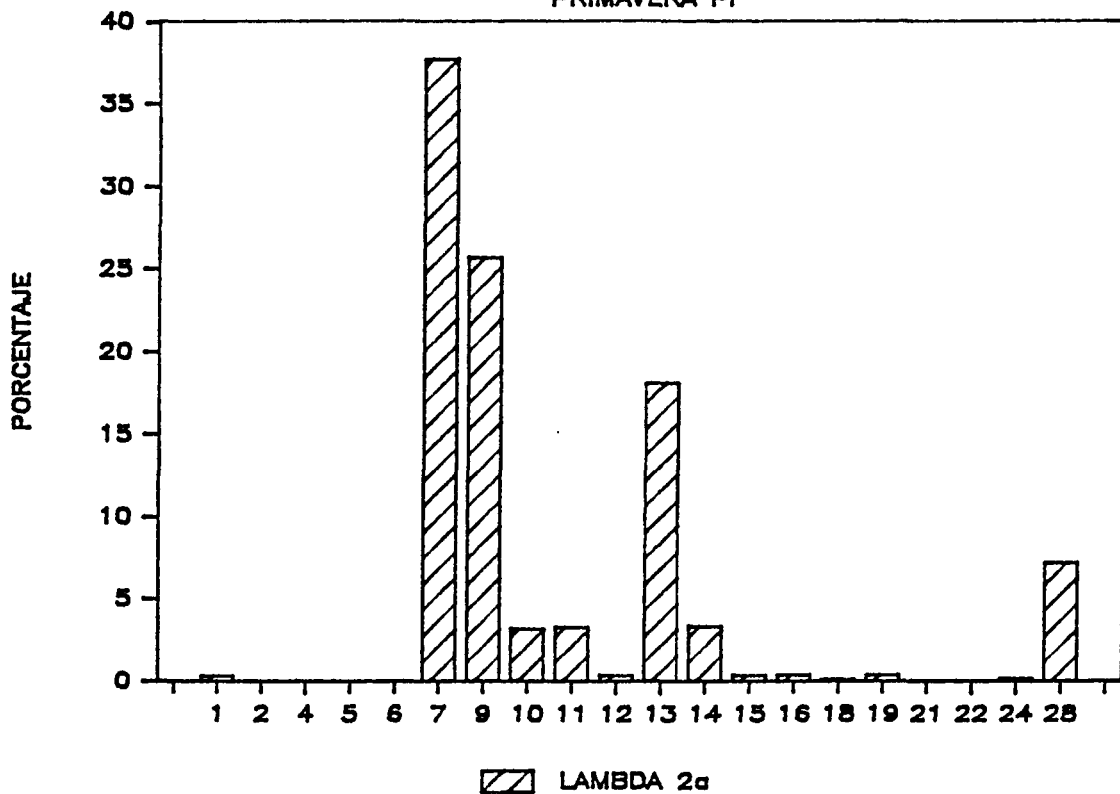
# E. asper

PRIMAVERA PI



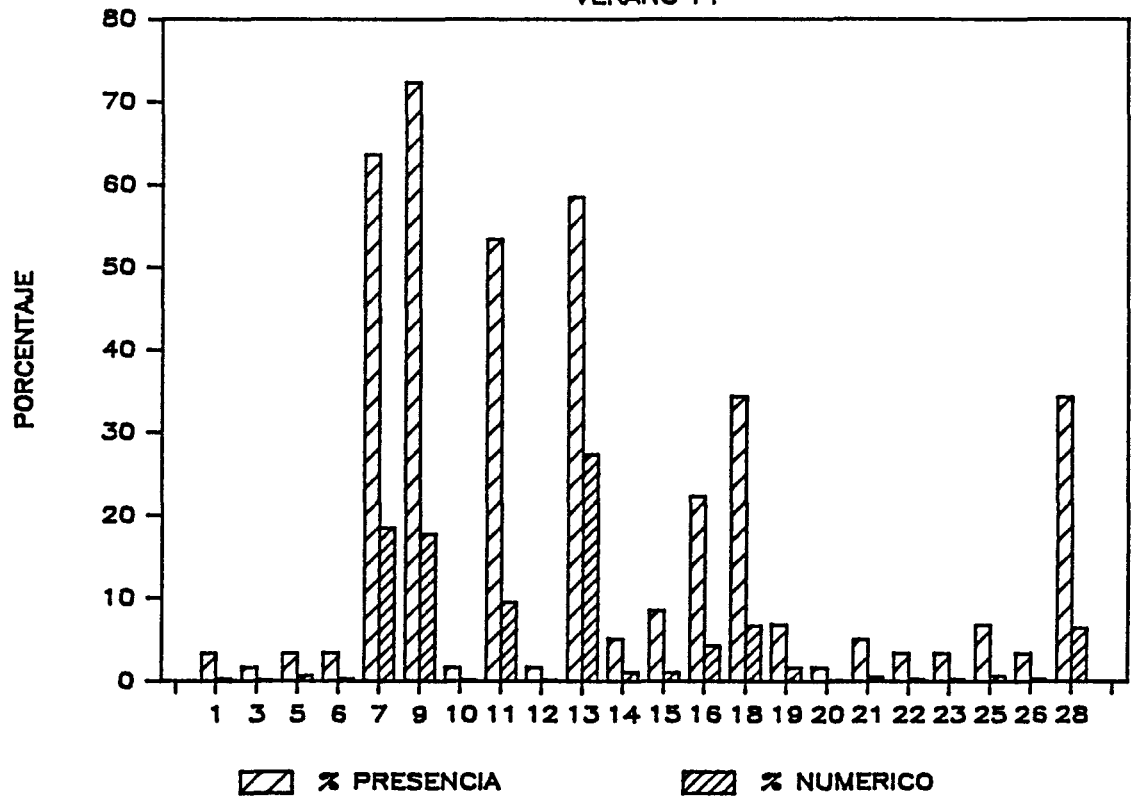
# E. asper

PRIMAVERA PI



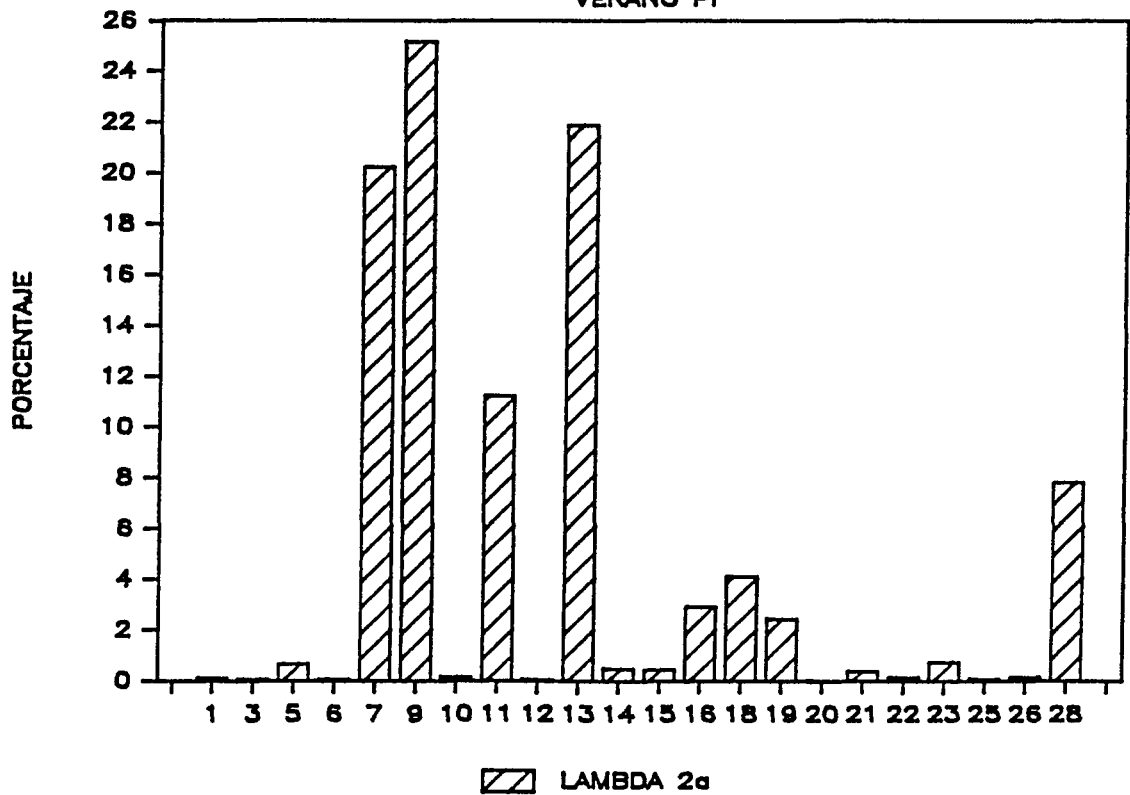
### E. asper

VERANO PI



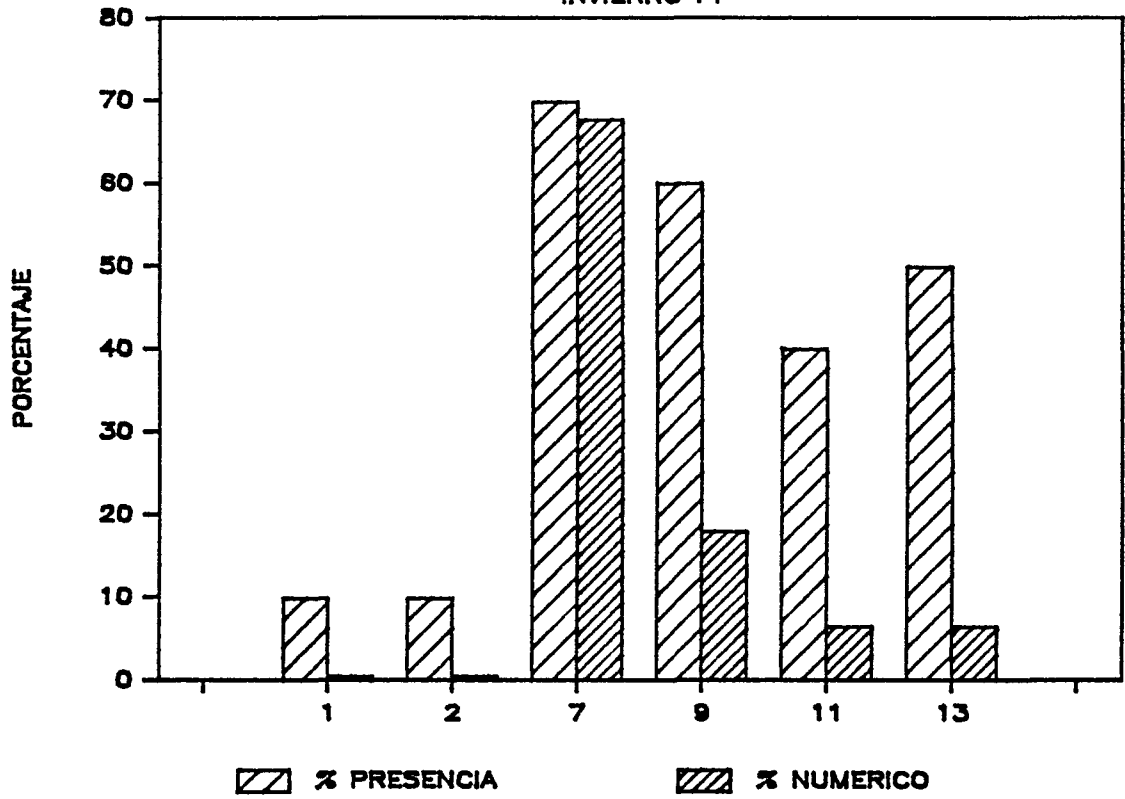
### E. asper

VERANO PI



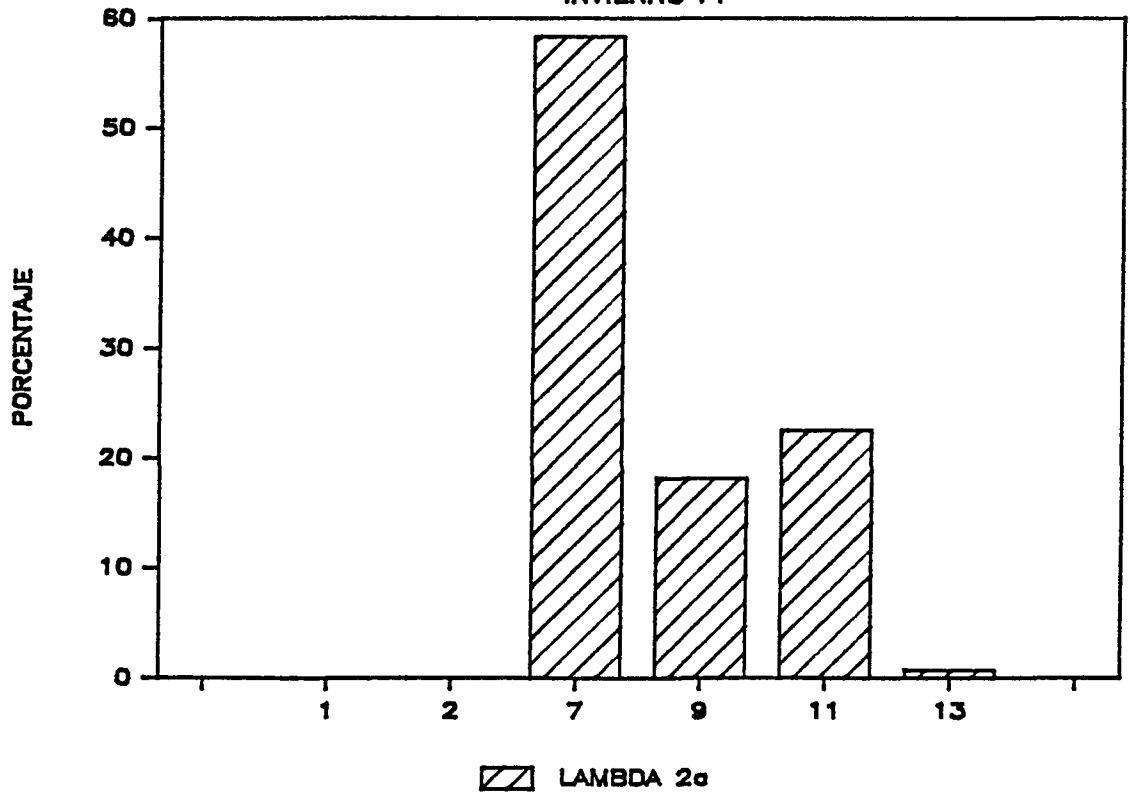
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INVERNO PI



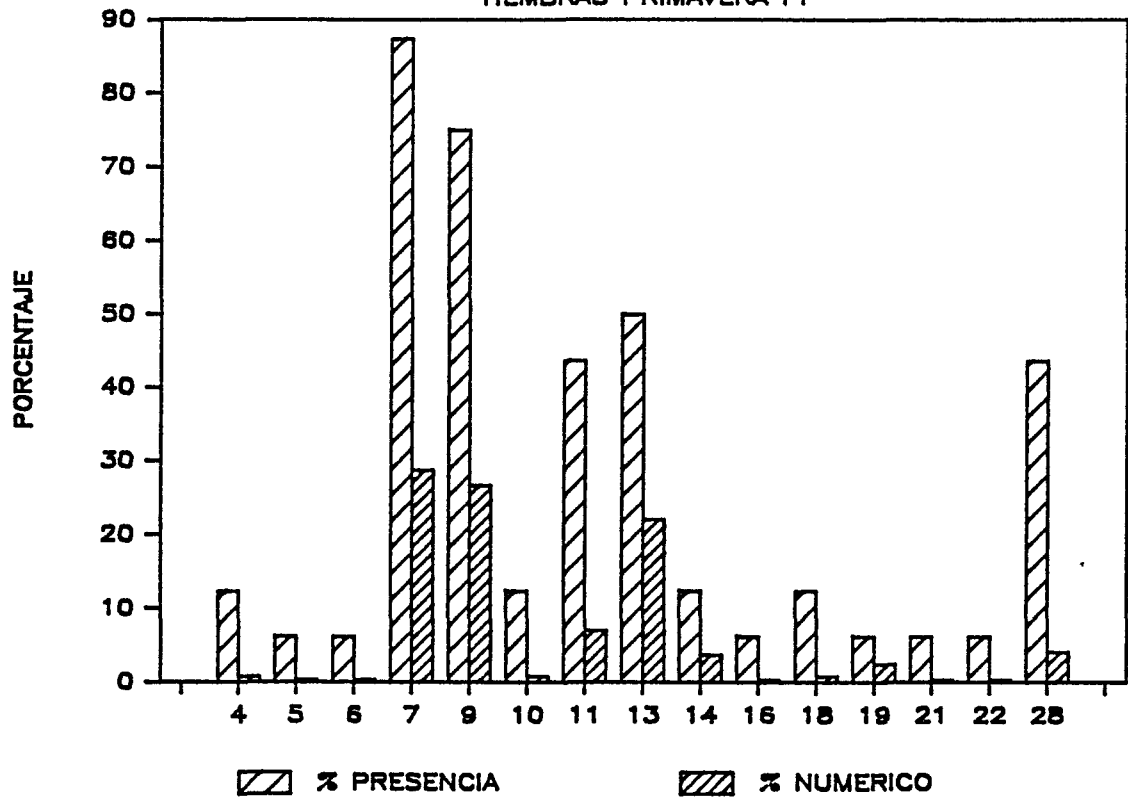
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INVERNO PI

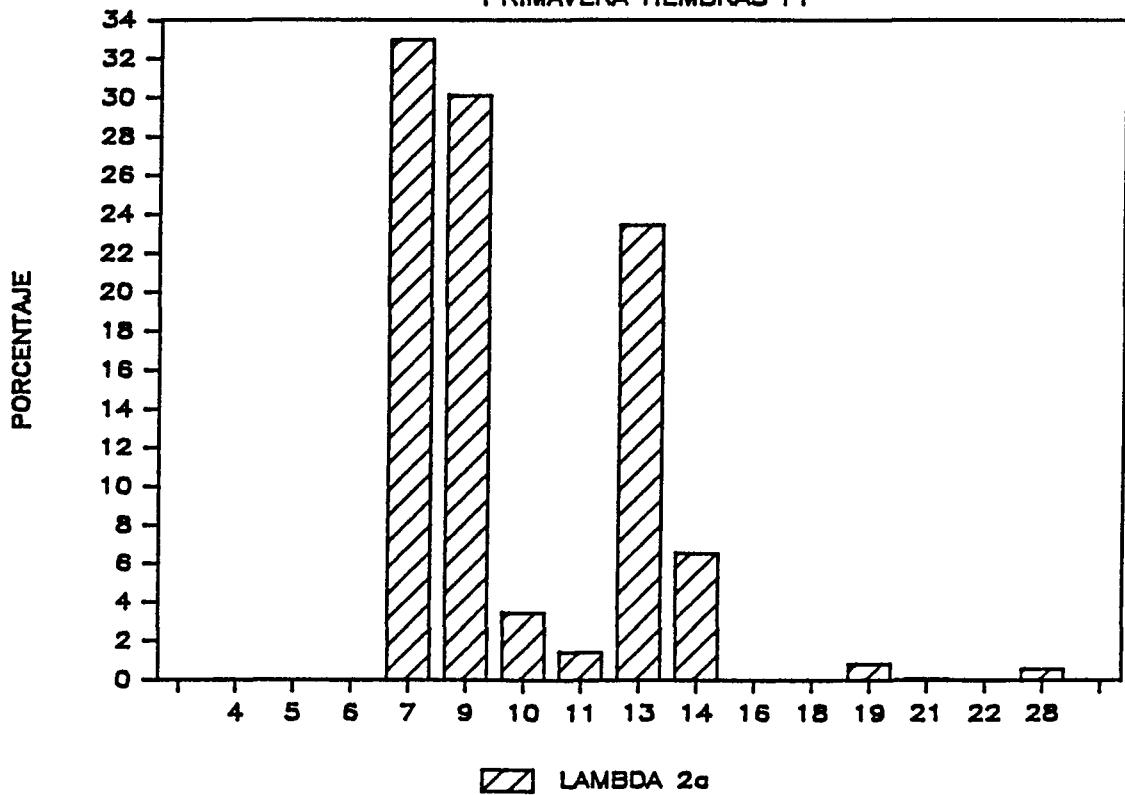




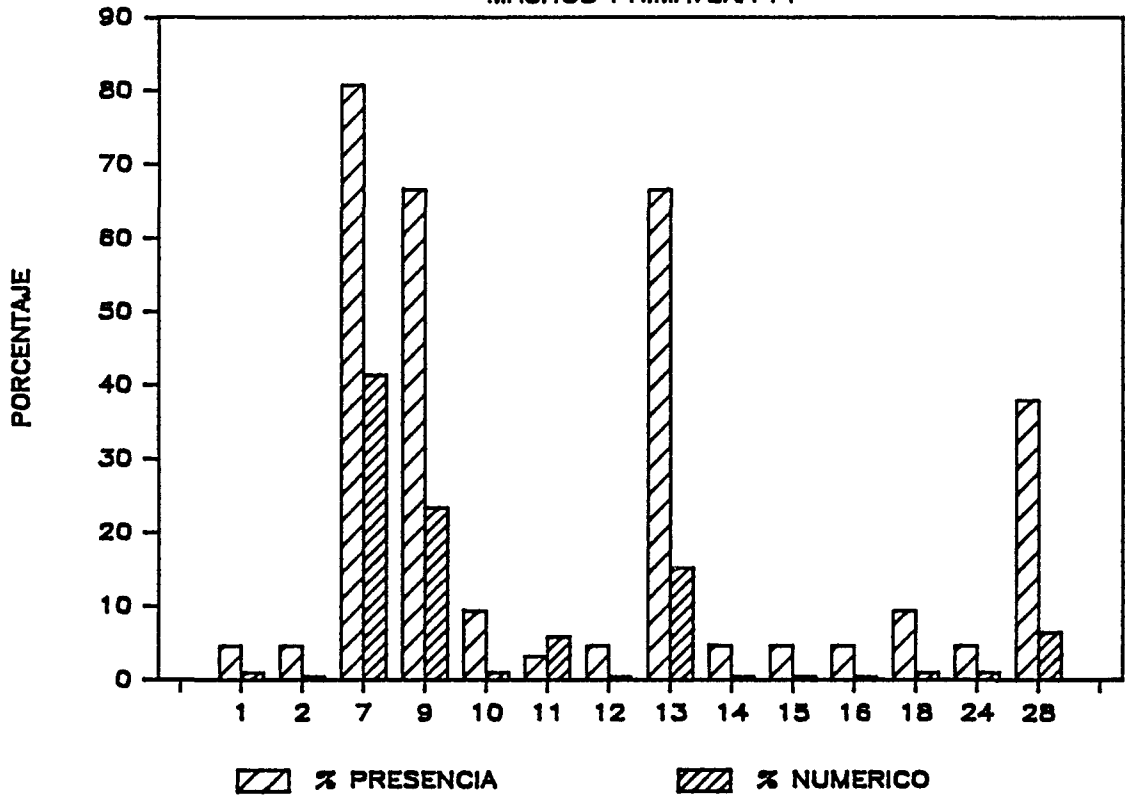
*E. asper*  
HEMBRAS PRIMAVERA PI



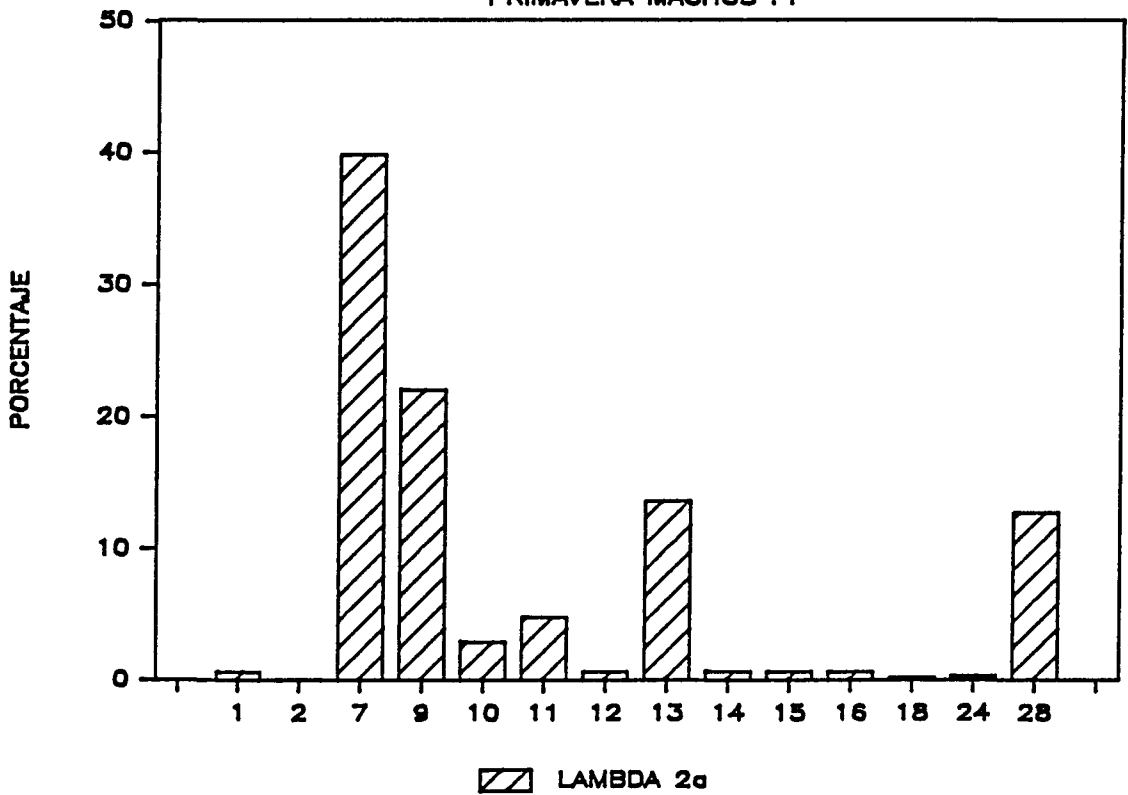
*E. asper*  
PRIMAVERA HEMBRAS PI



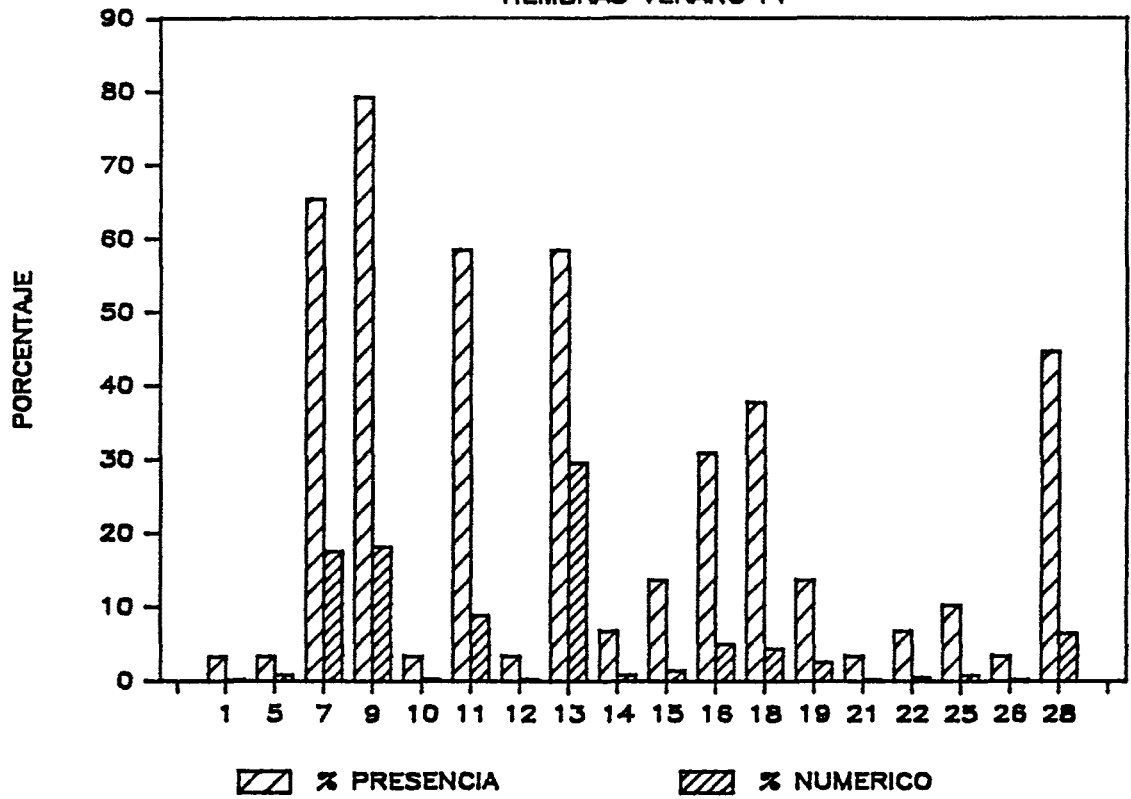
*E. asper*  
MACHOS PRIMAVERA PI



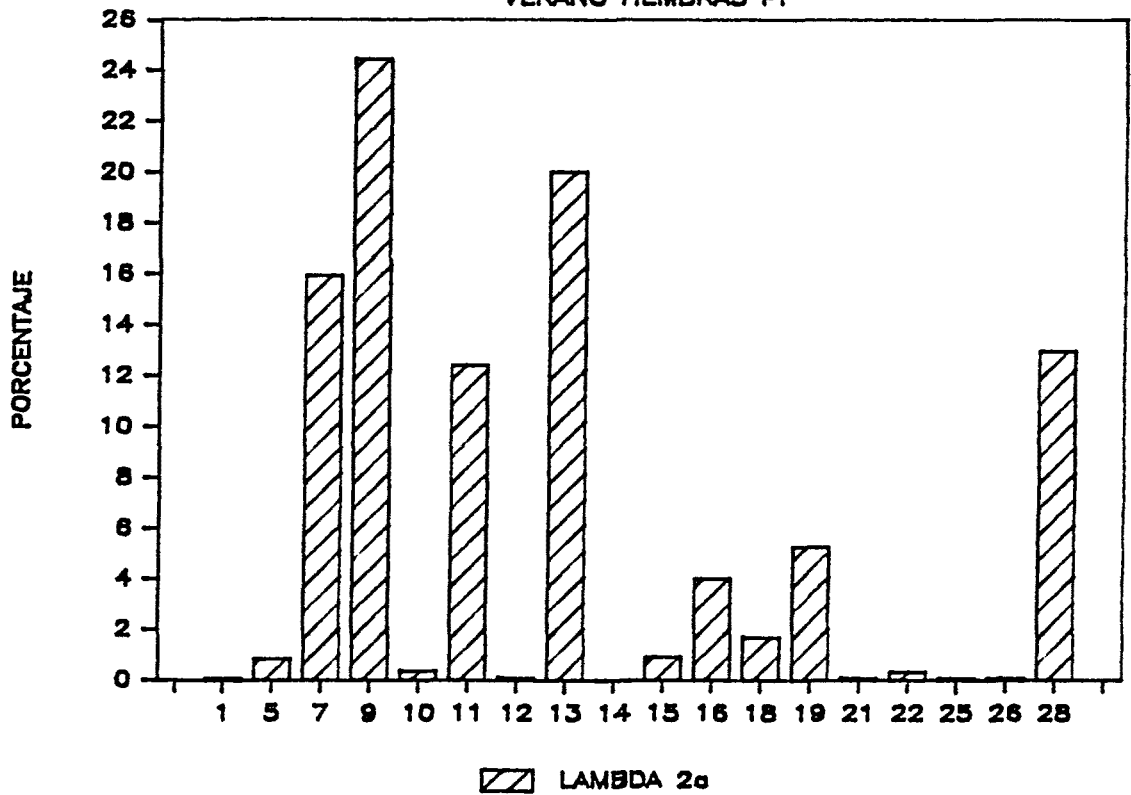
*E. asper*  
PRIMAVERA MACHOS PI



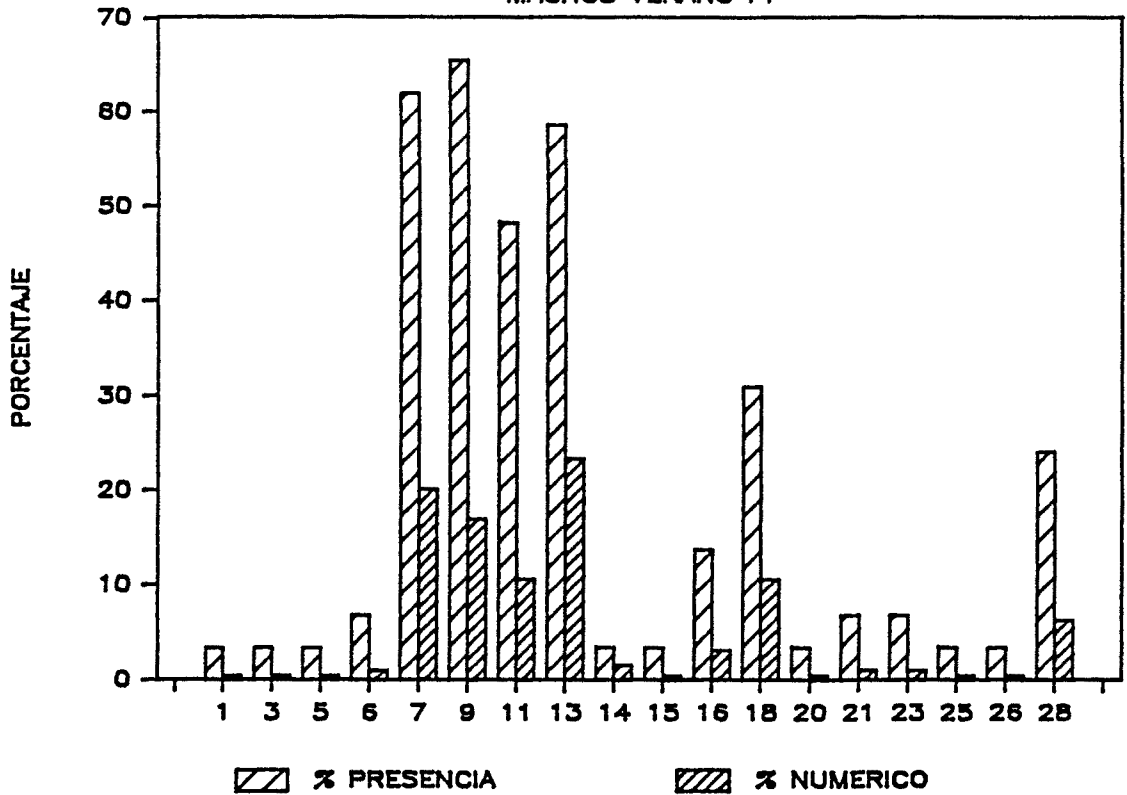
*E. asper*  
HEMBRAS VERANO PI



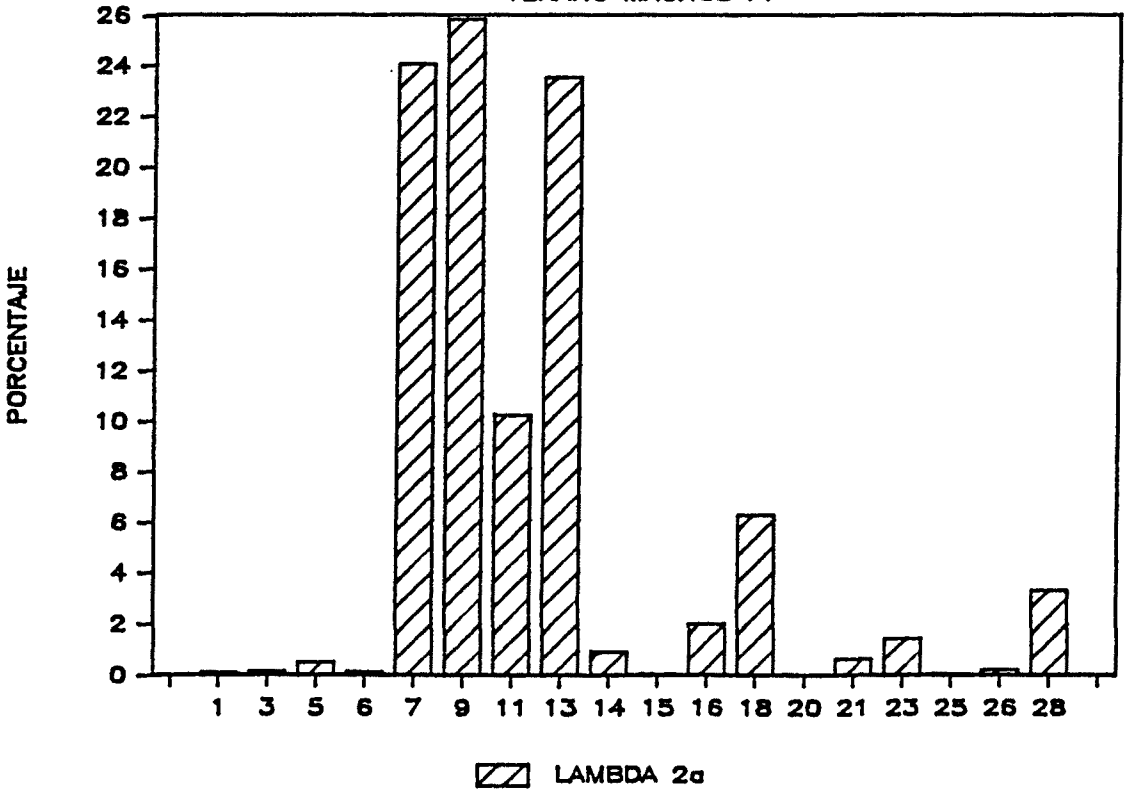
*E. asper*  
VERANO HEMBRAS PI



*E. asper*  
MACHOS VERANO PI

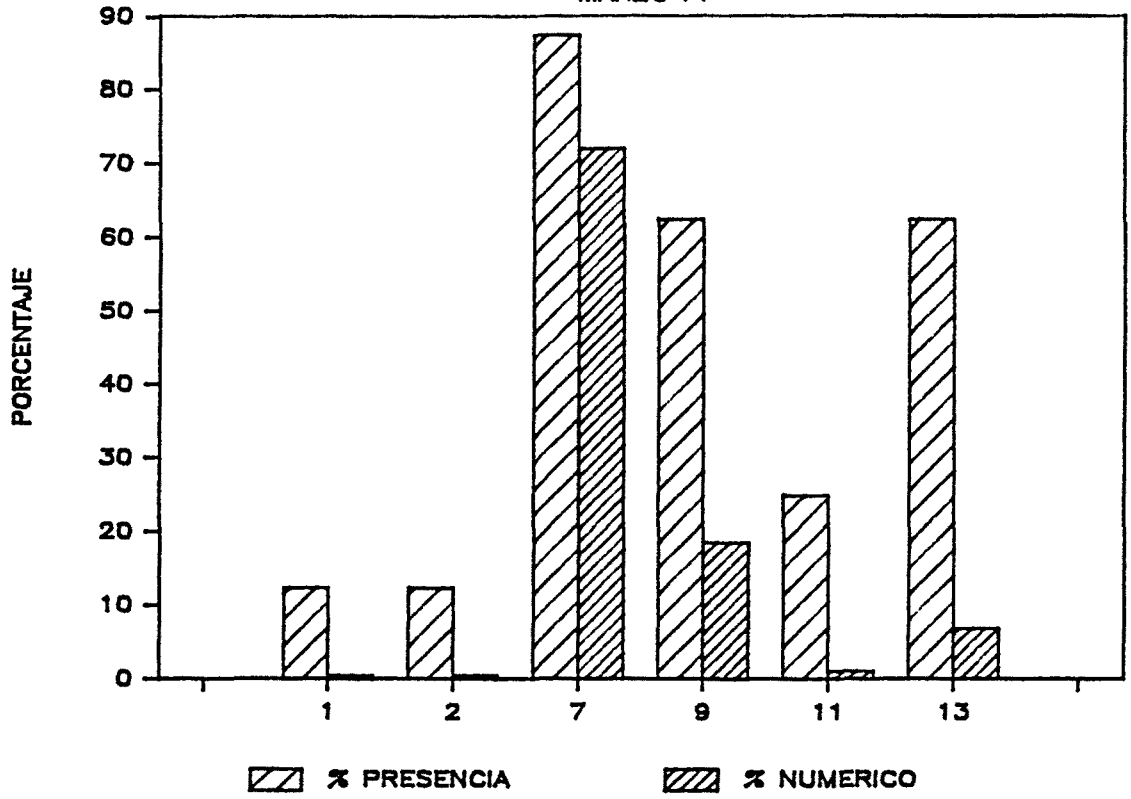


*E. asper*  
VERANO MACHOS PI



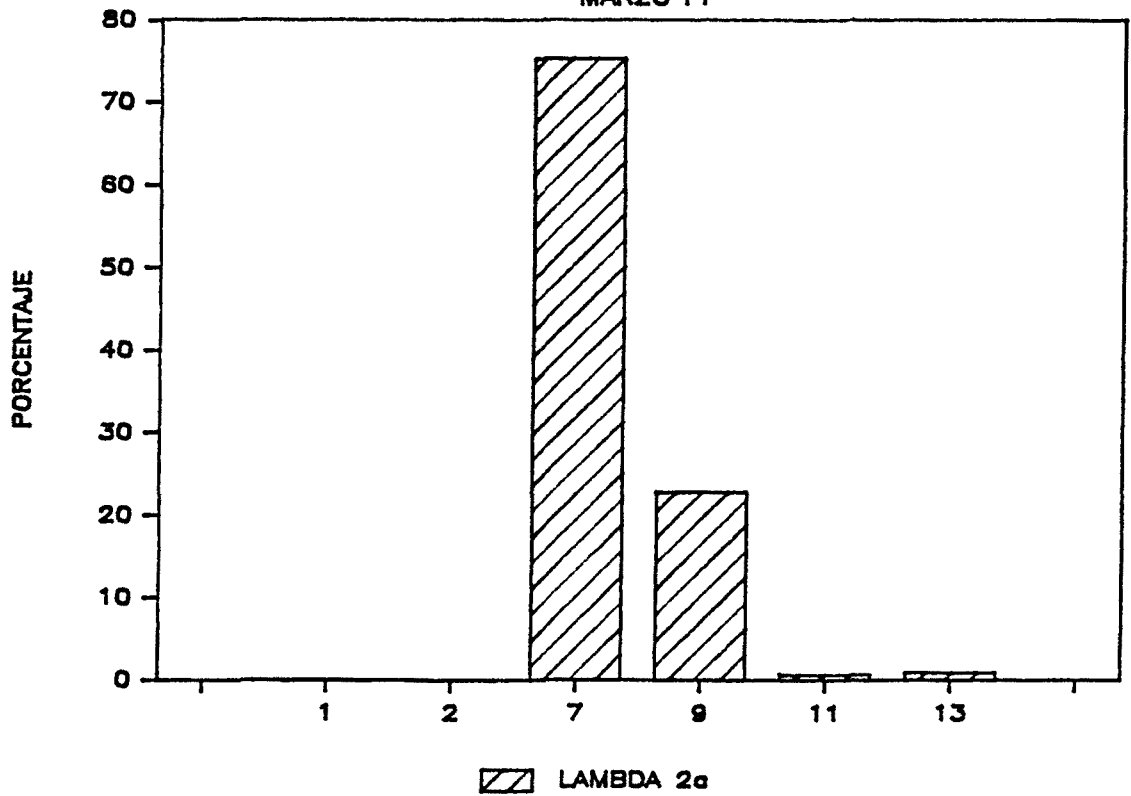
### E. asper

MARZO PI



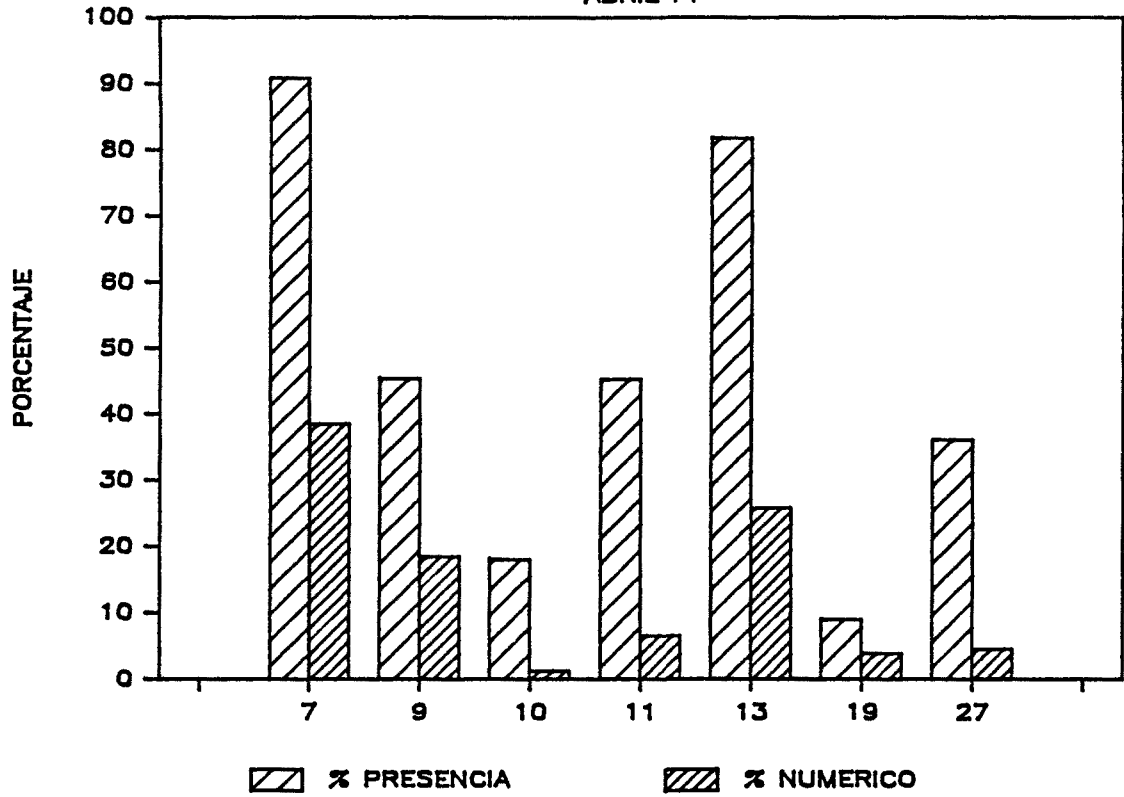
### E. asper

MARZO PI



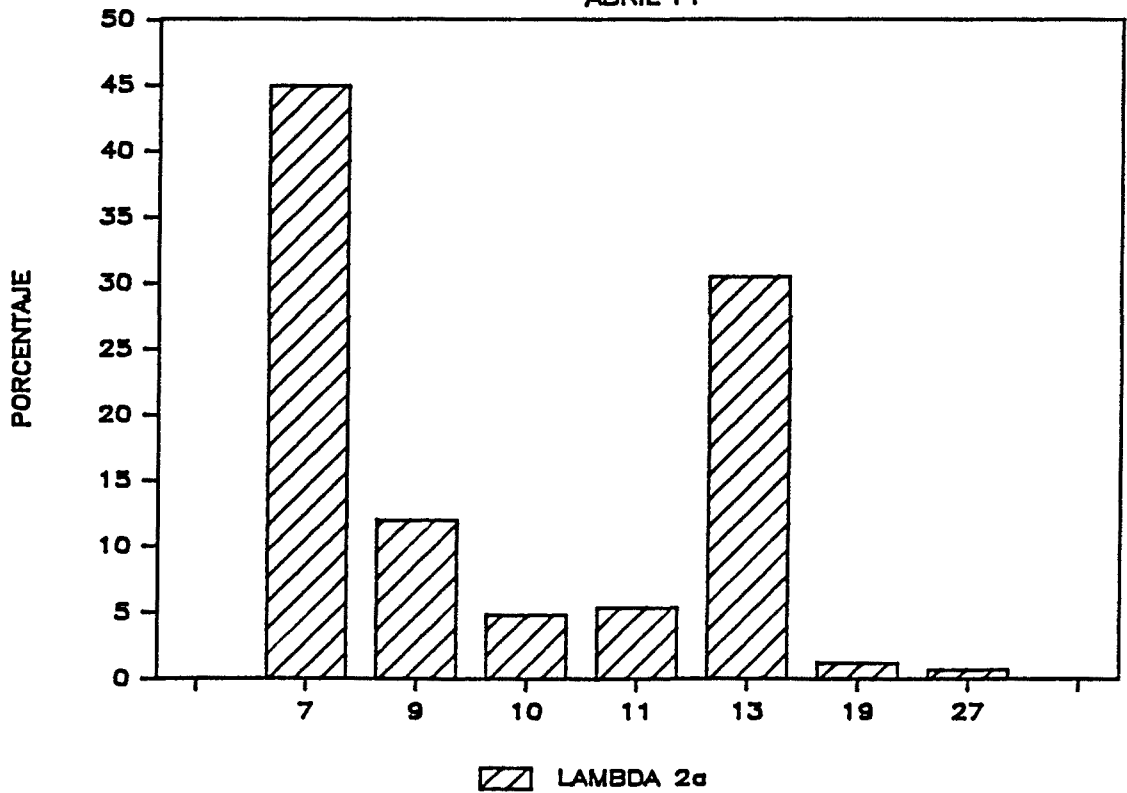
### E. asper

ABRIL PI

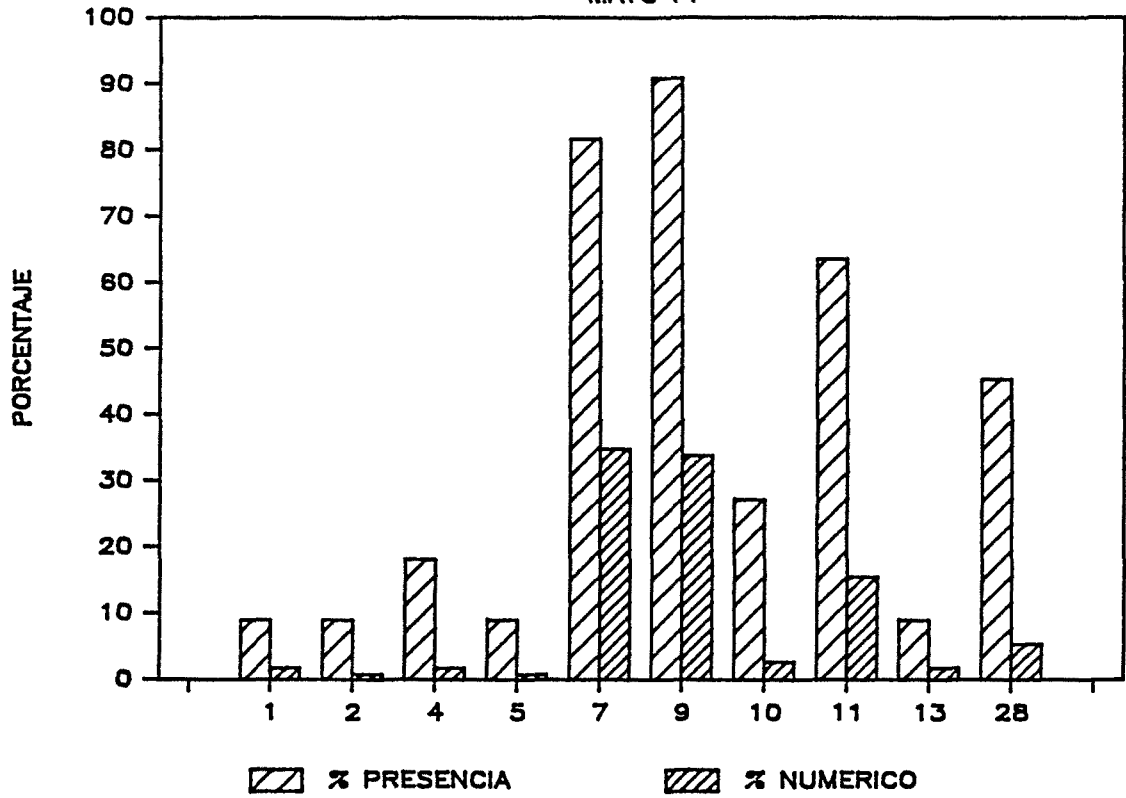


### E. asper

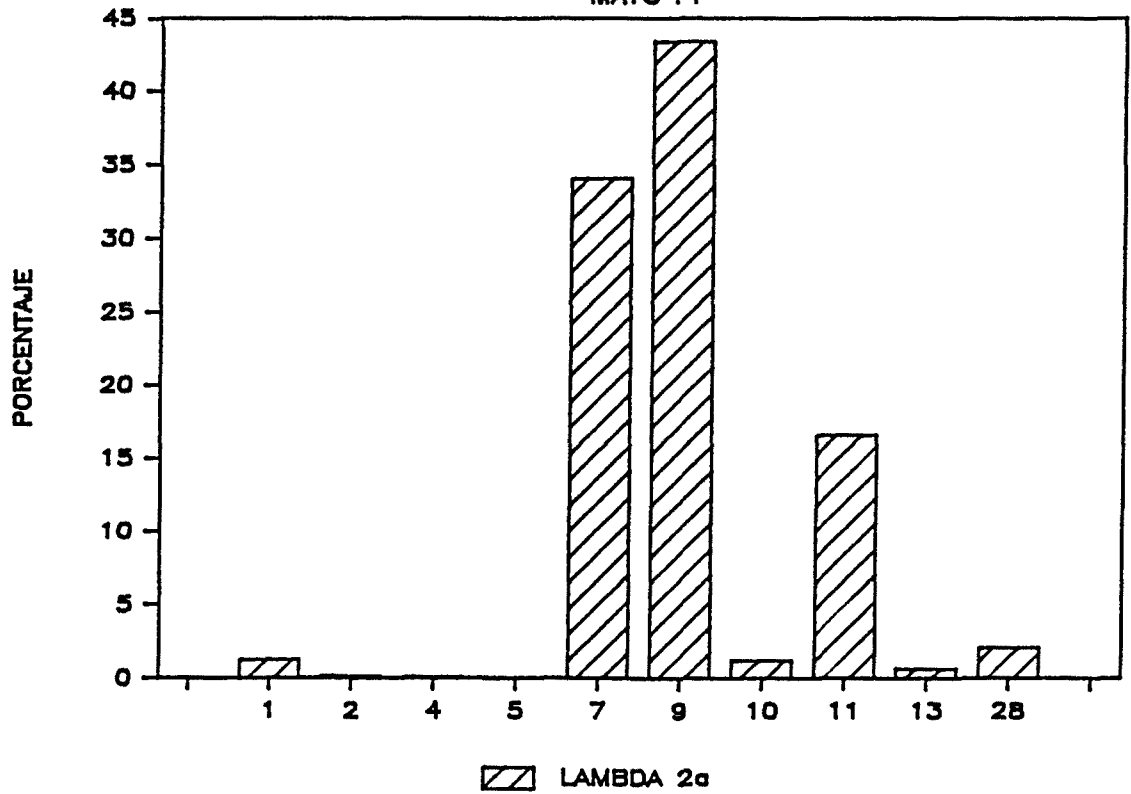
ABRIL PI



*E. asper*  
MAYO PI

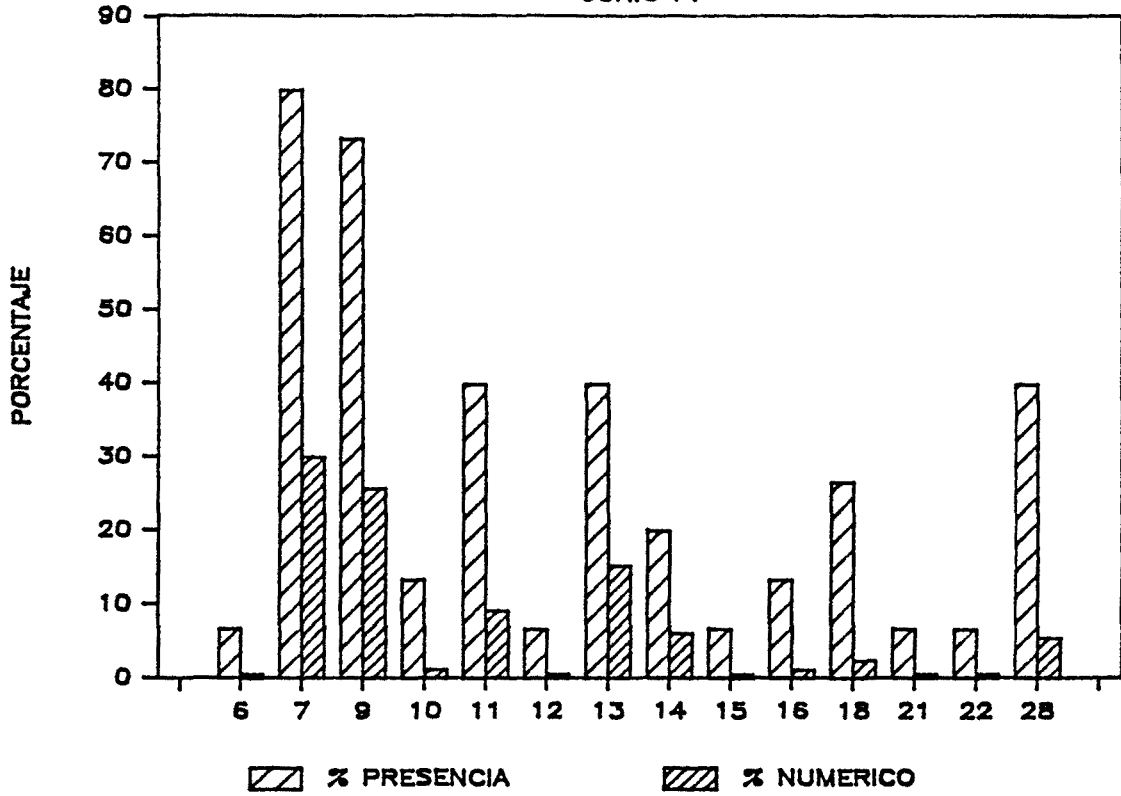


*E. asper*  
MAYO PI



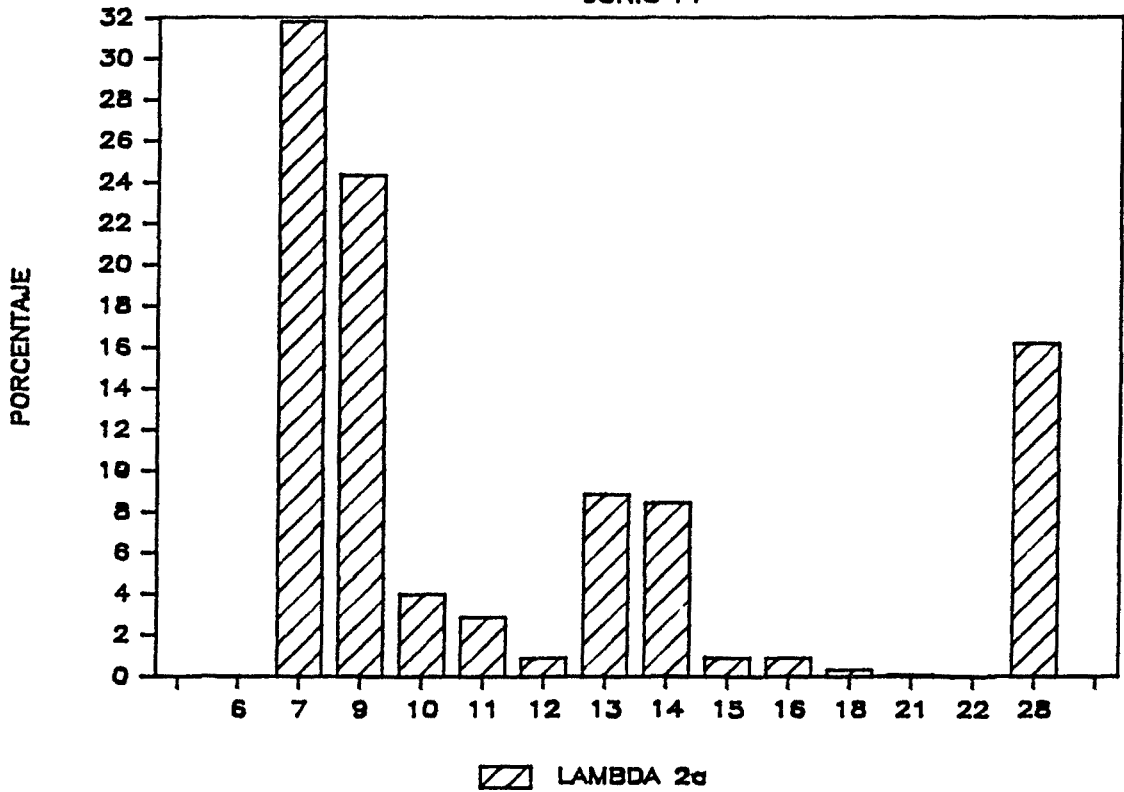
# E. asper

JUNIO PI



# E. asper

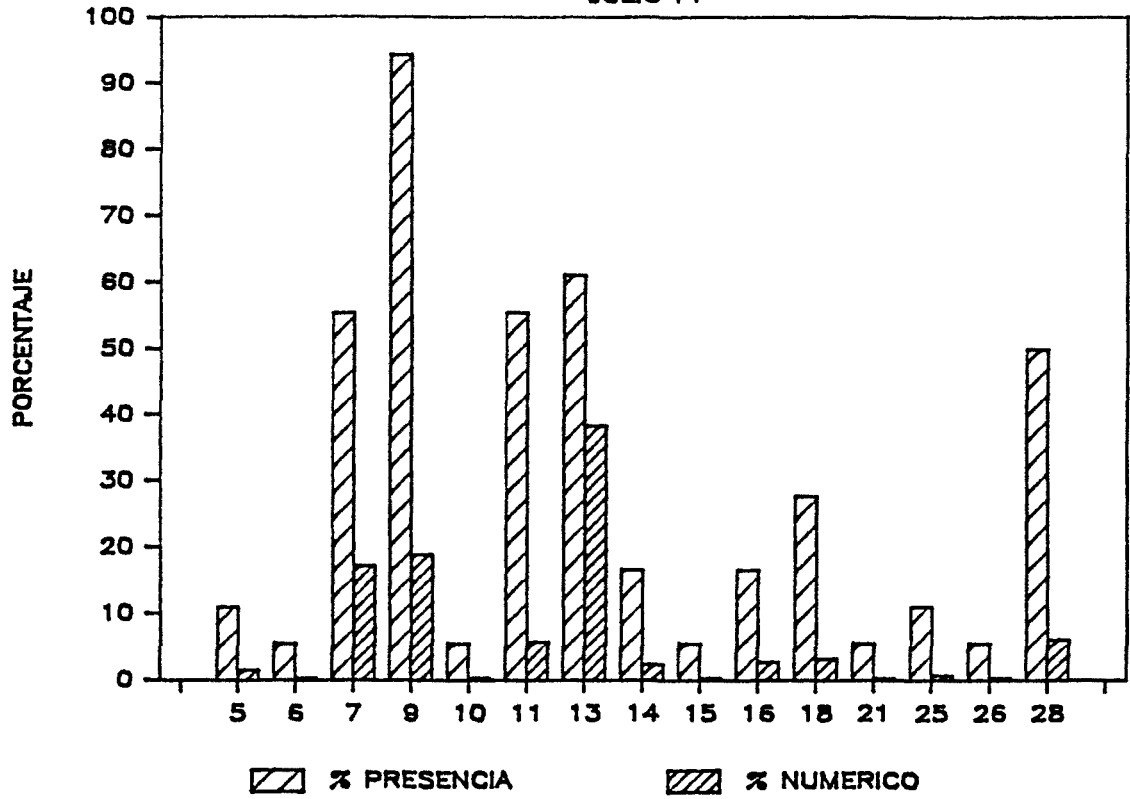
JUNIO PI





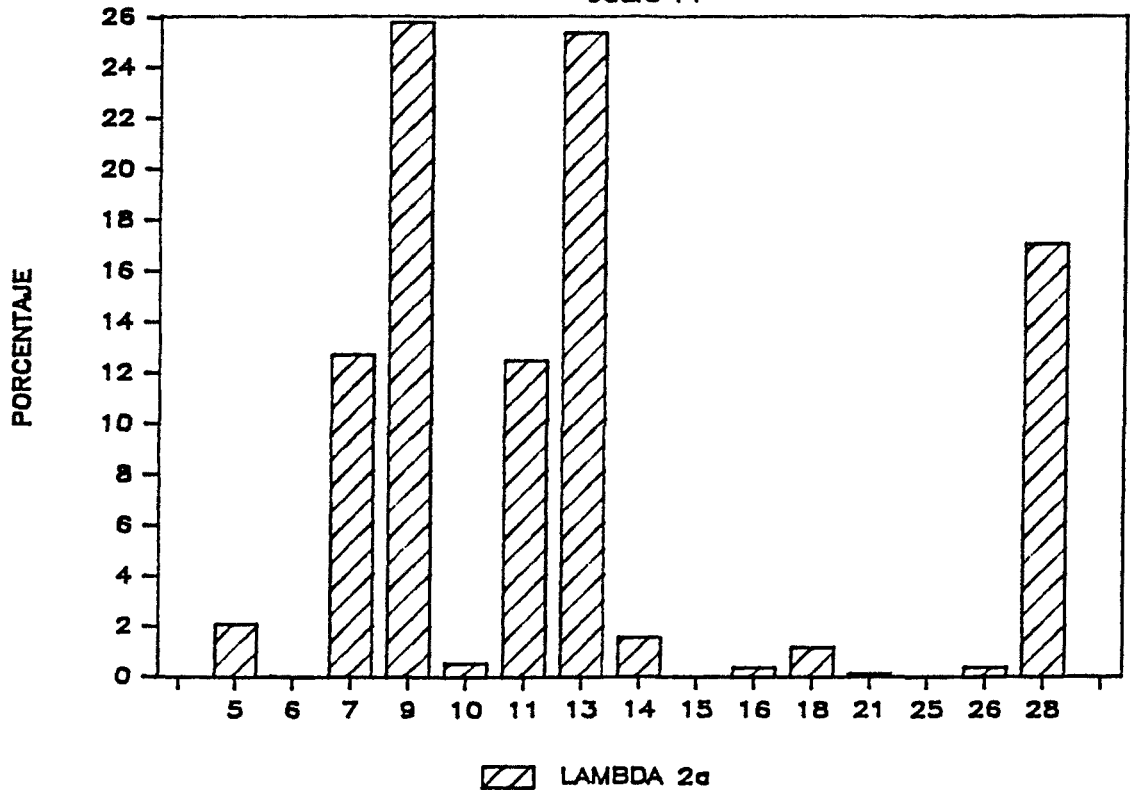
### E. asper

JULIO PI



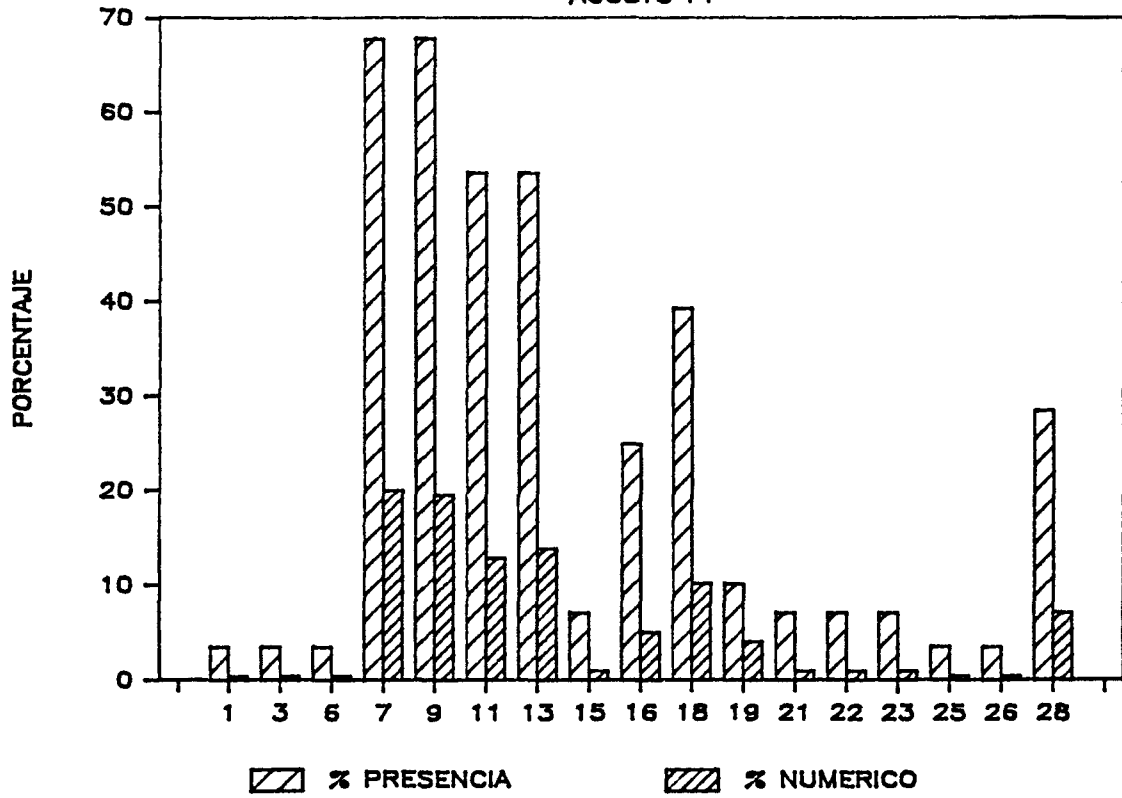
### E. asper

JULIO PI



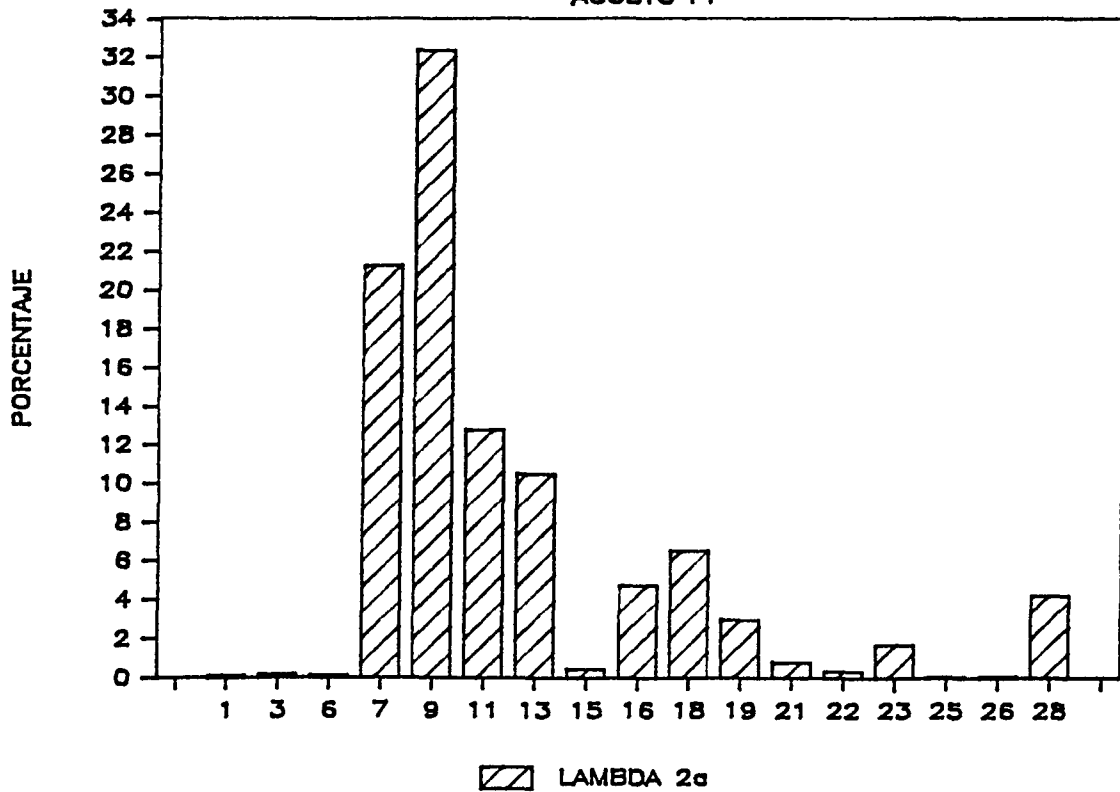
### E. asper

AGOSTO PI



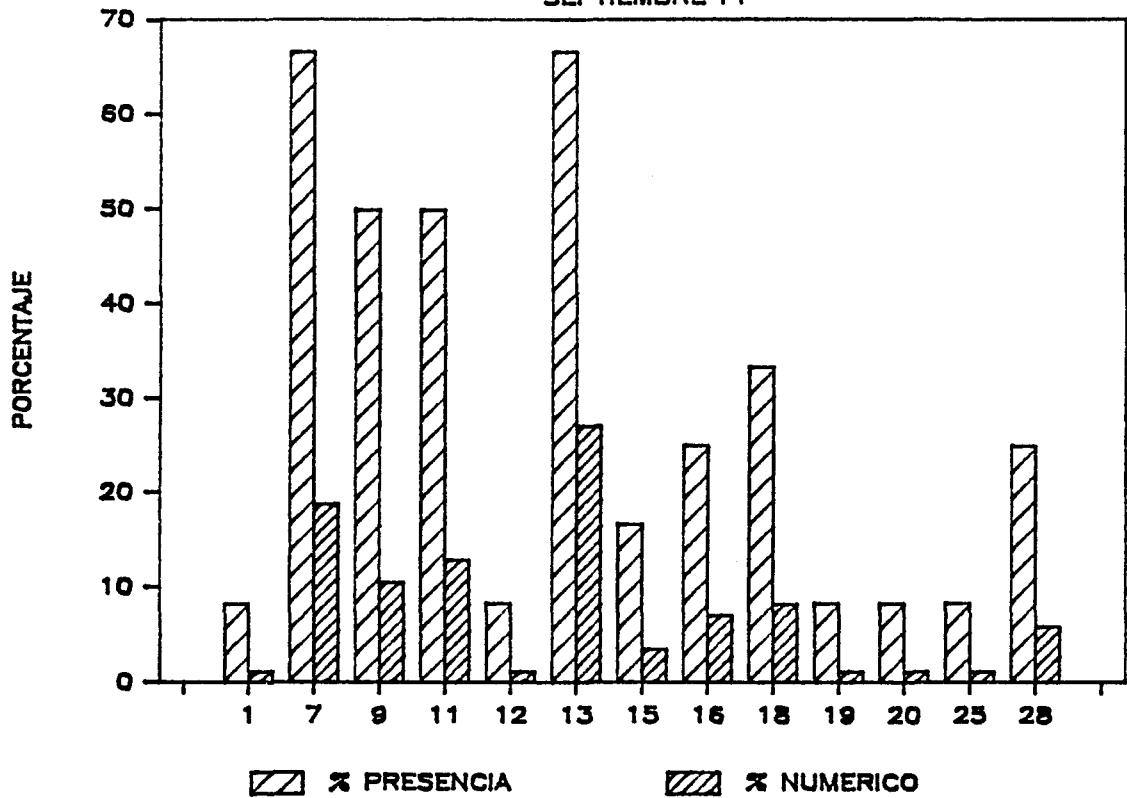
### E. asper

AGOSTO PI



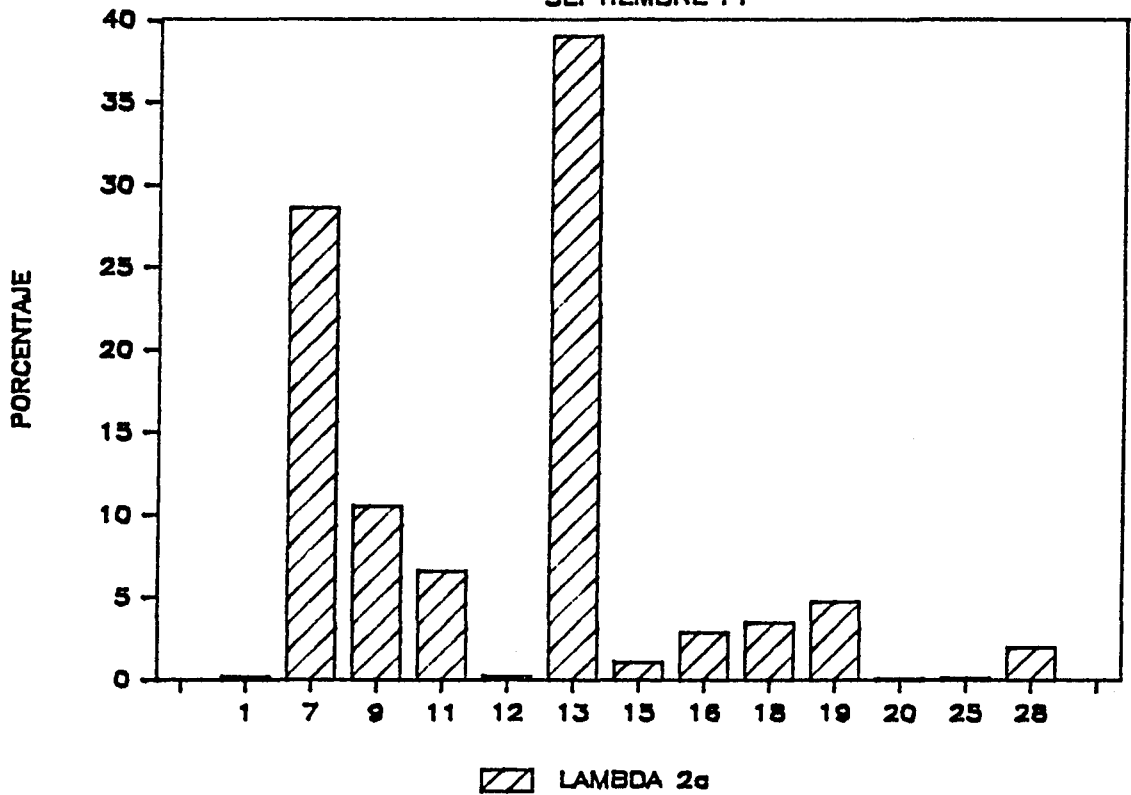
### E. asper

SEPTIEMBRE PI

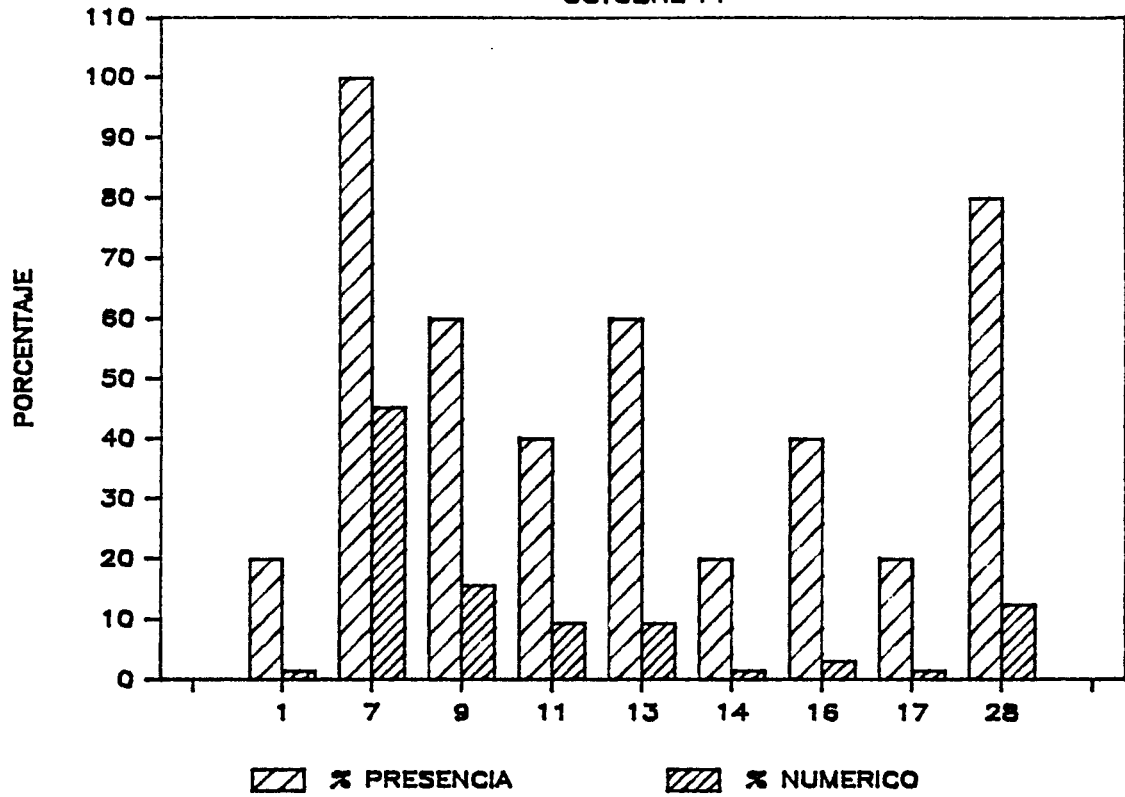


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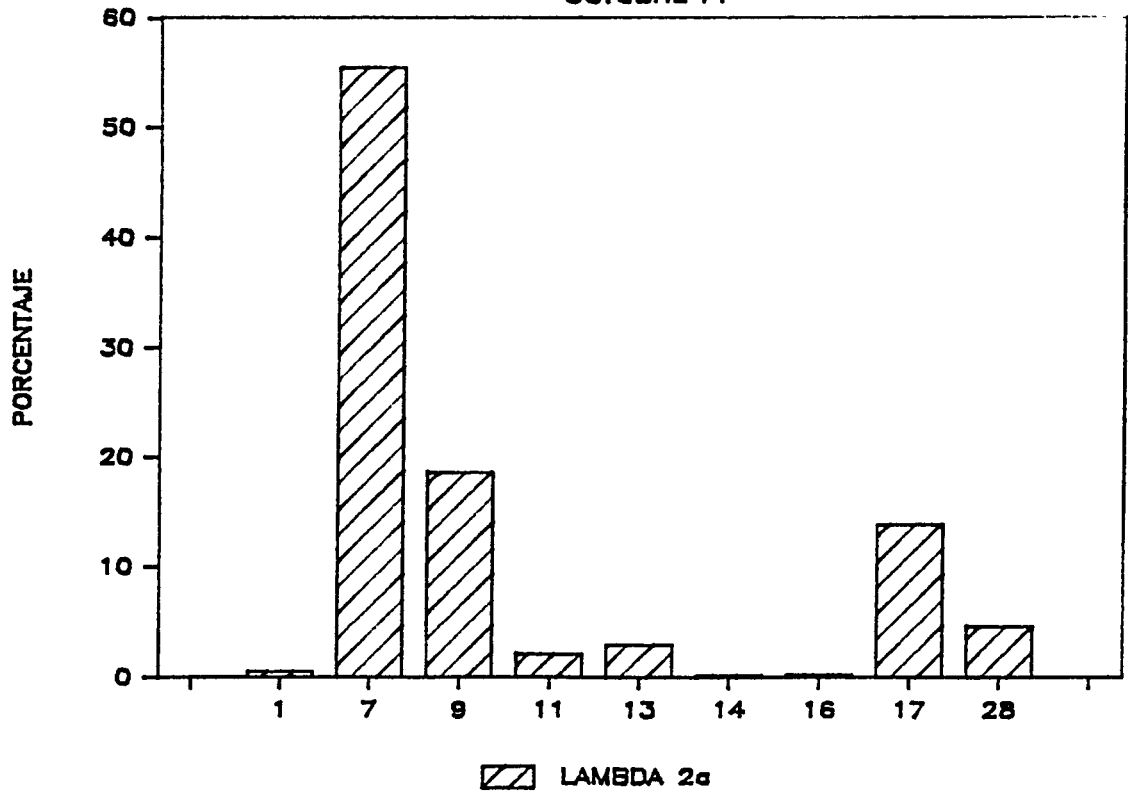
SEPTIEMBRE PI



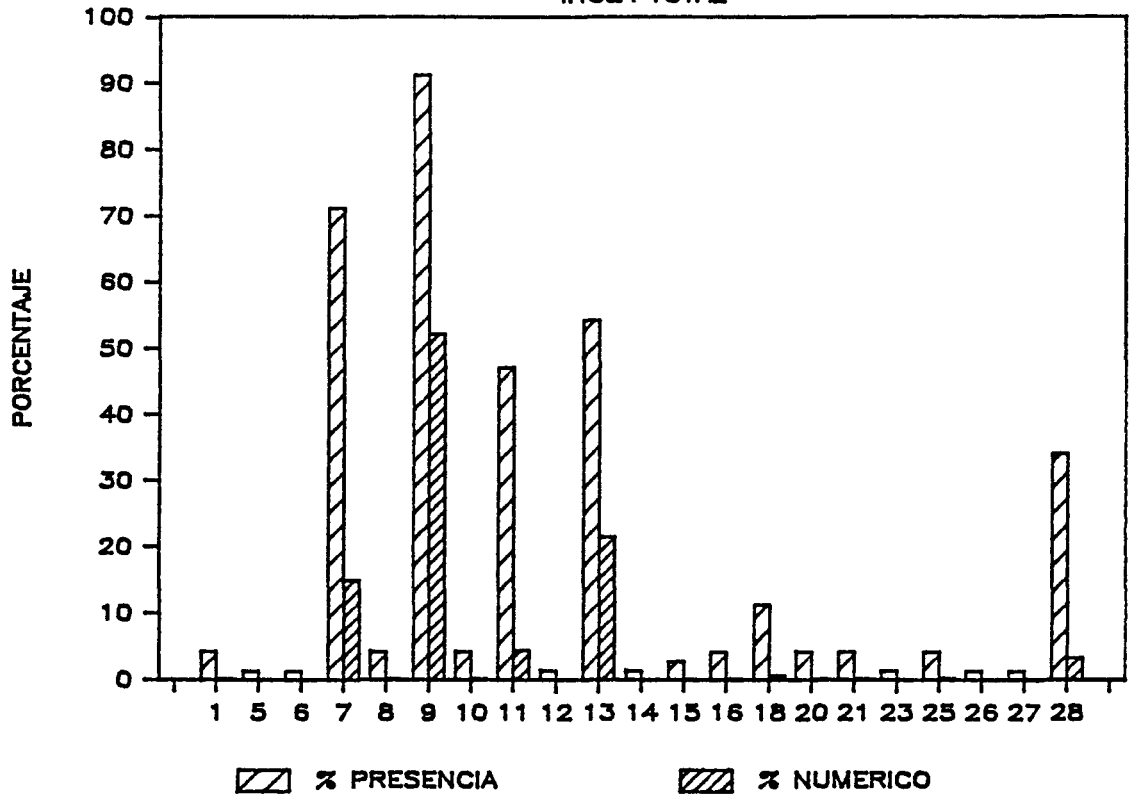
*E. asper*  
OCTUBRE PI



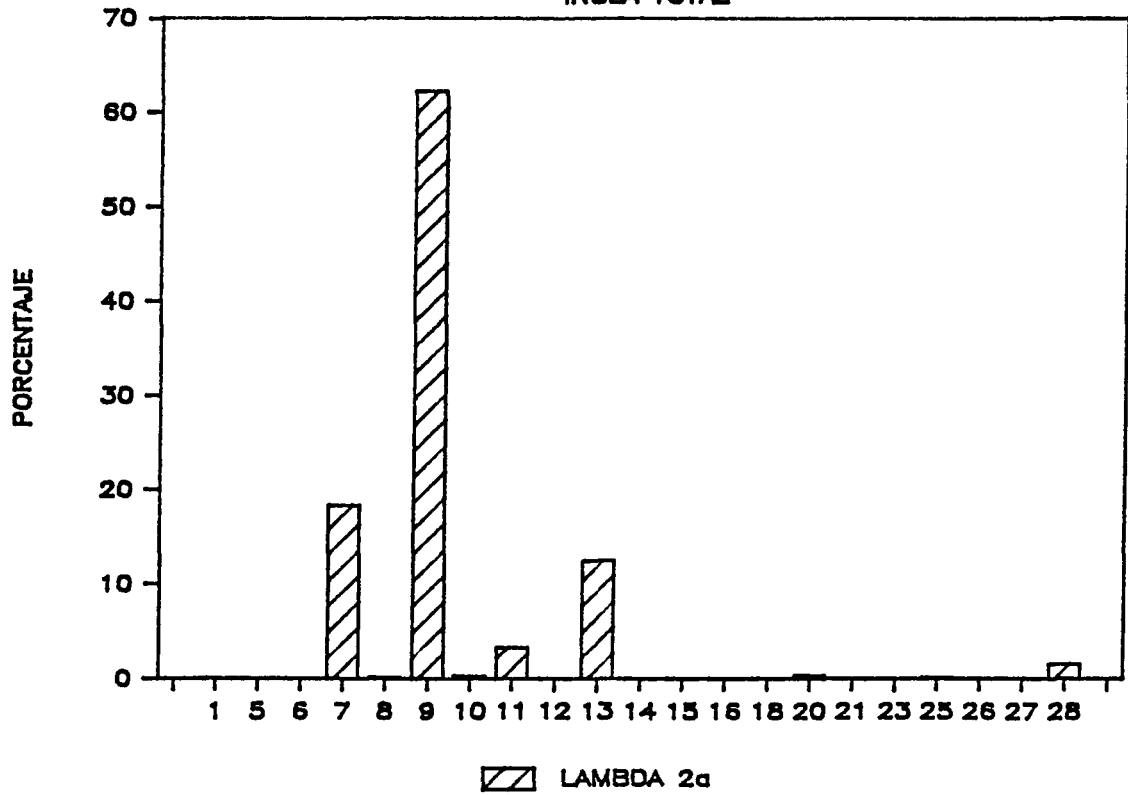
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OCTUBRE PI



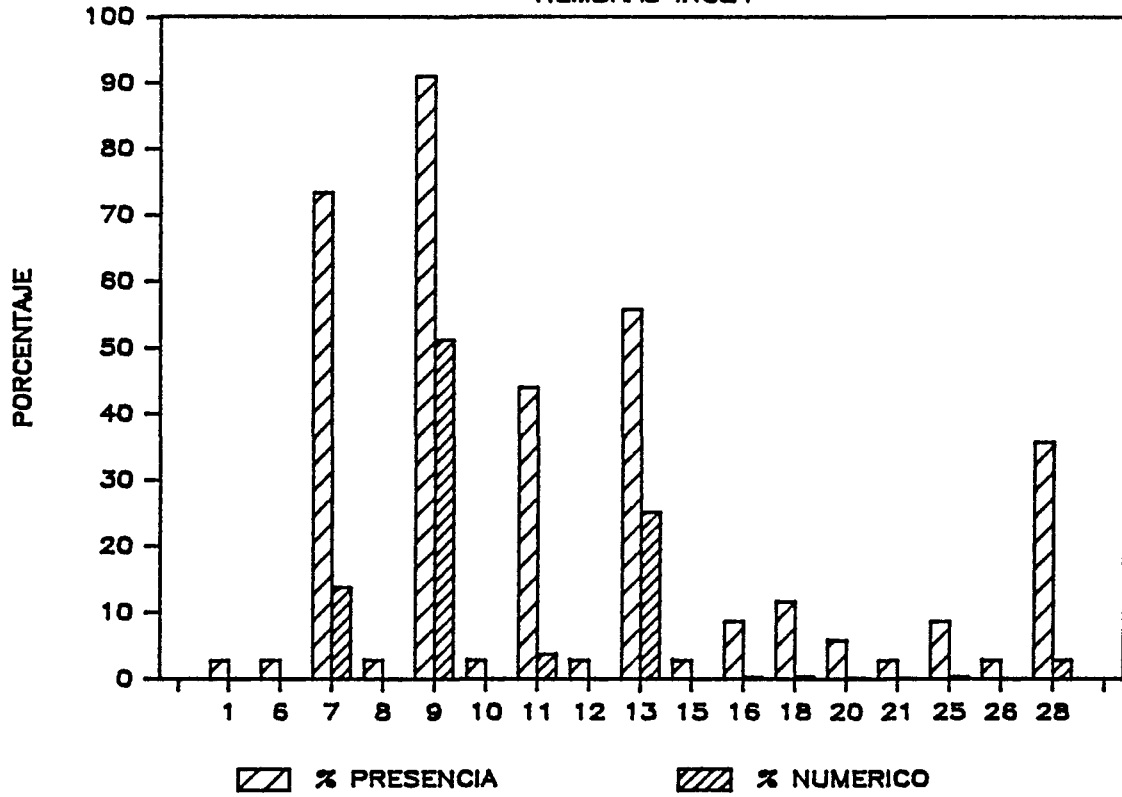
*E. asper*  
INGLA TOTAL



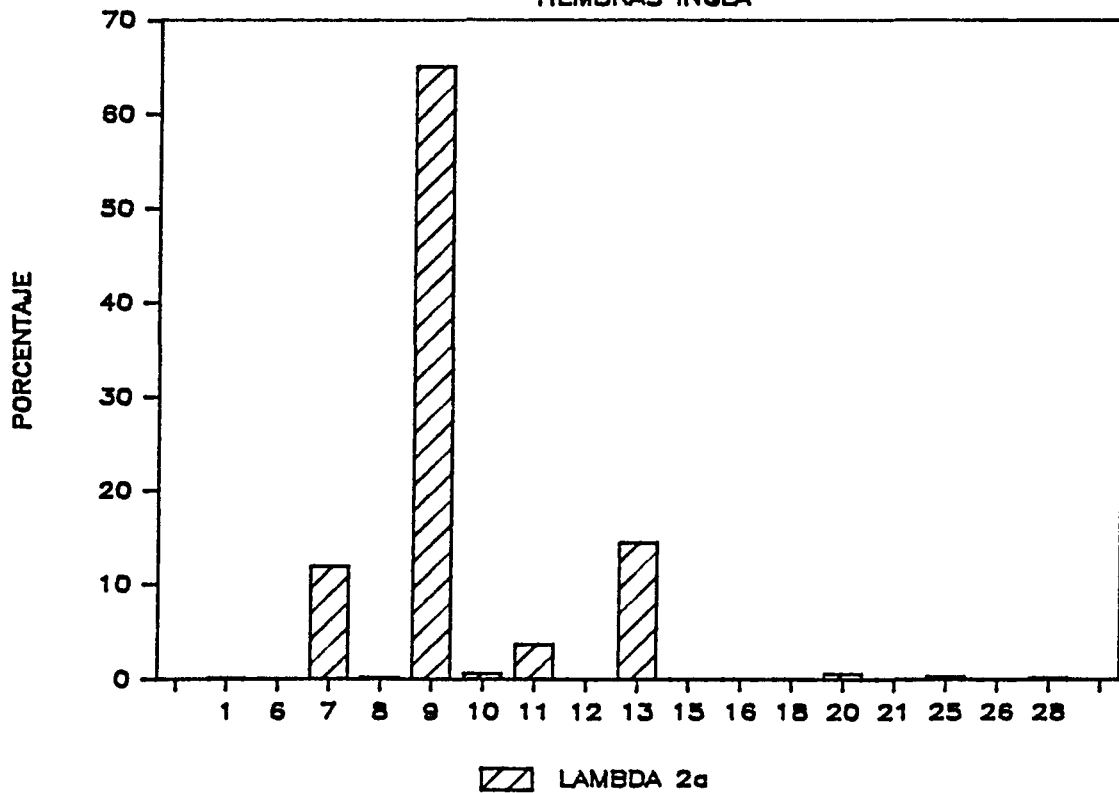
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INGLA TOTAL



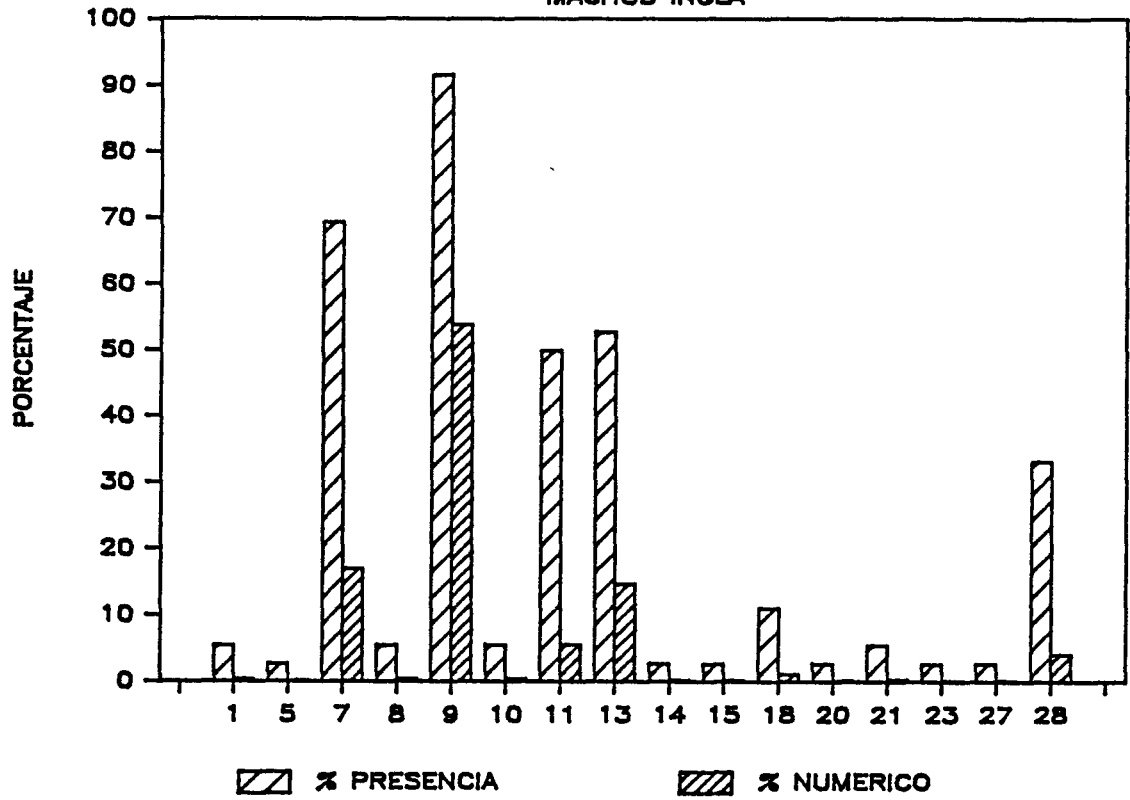
*E. asper*  
HEMBRAS INGLA



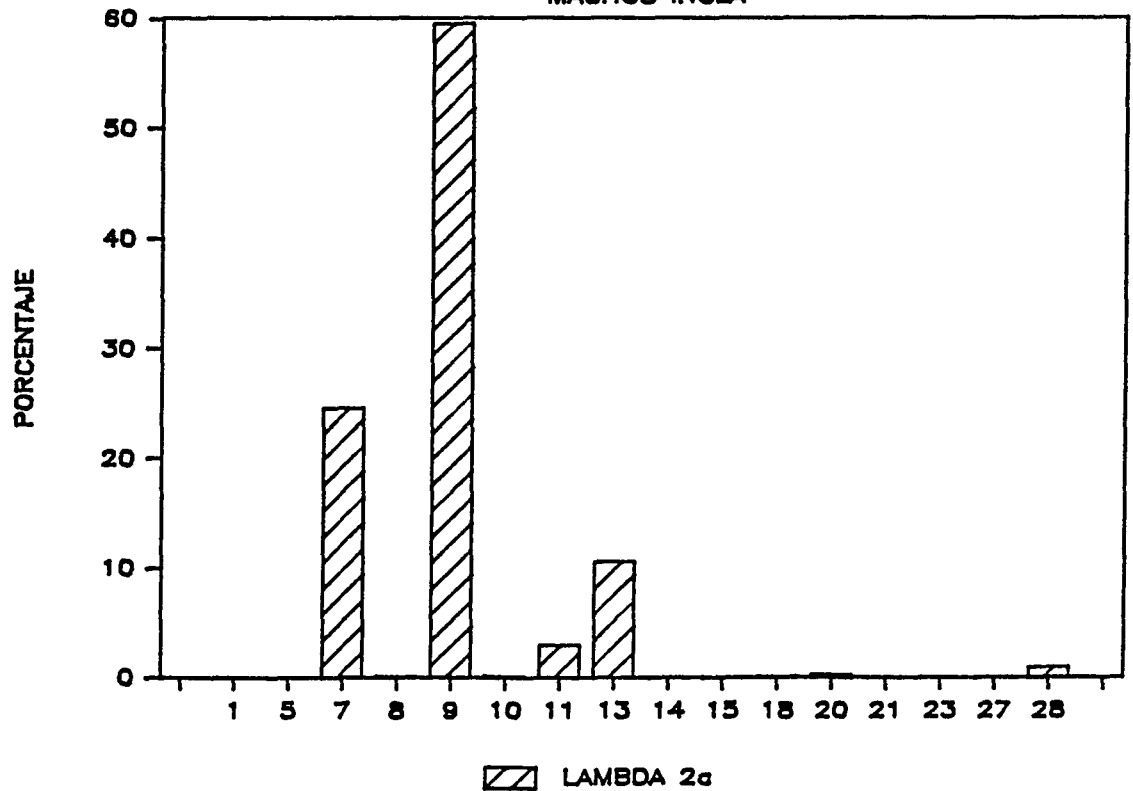
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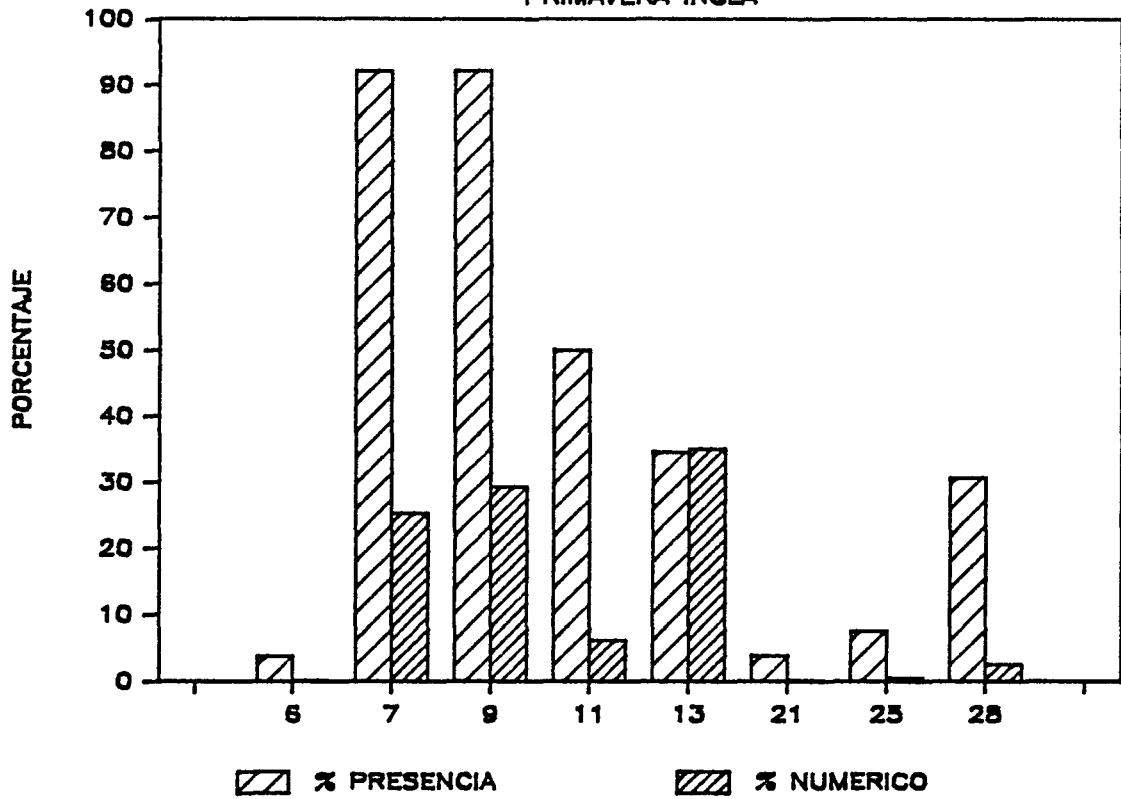
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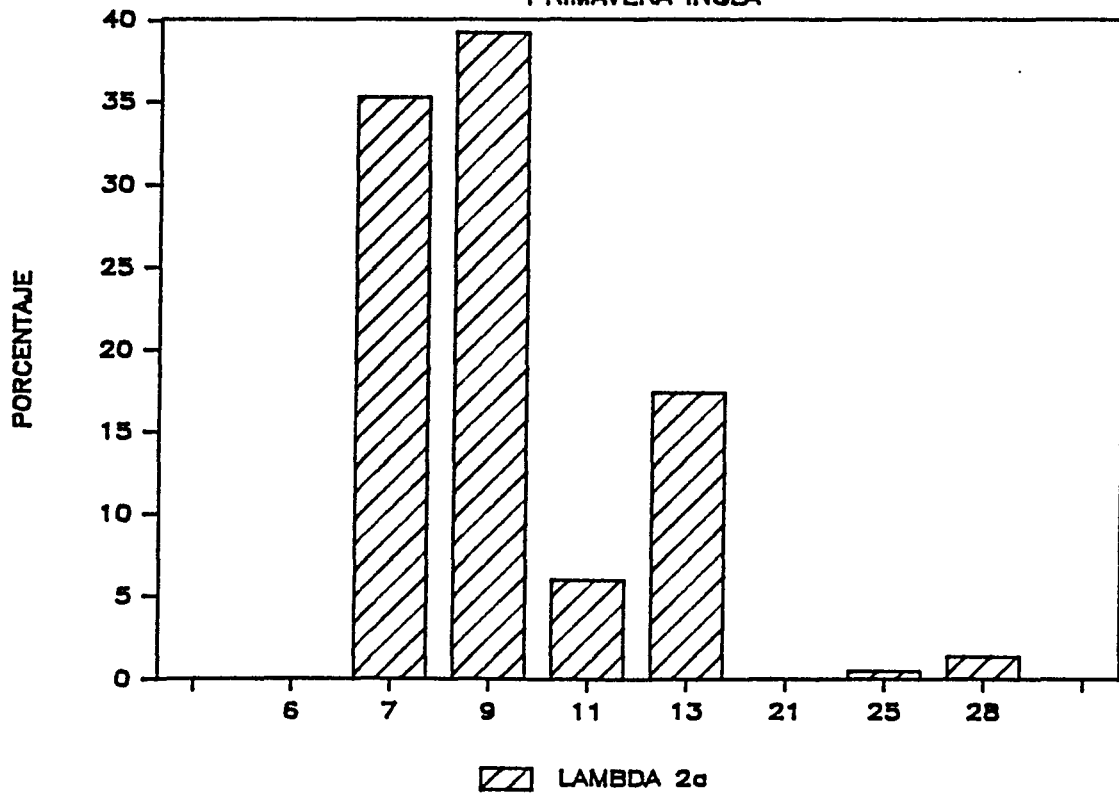
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MACHOS INGLA



*E. asper*  
PRIMAVERA INGLA

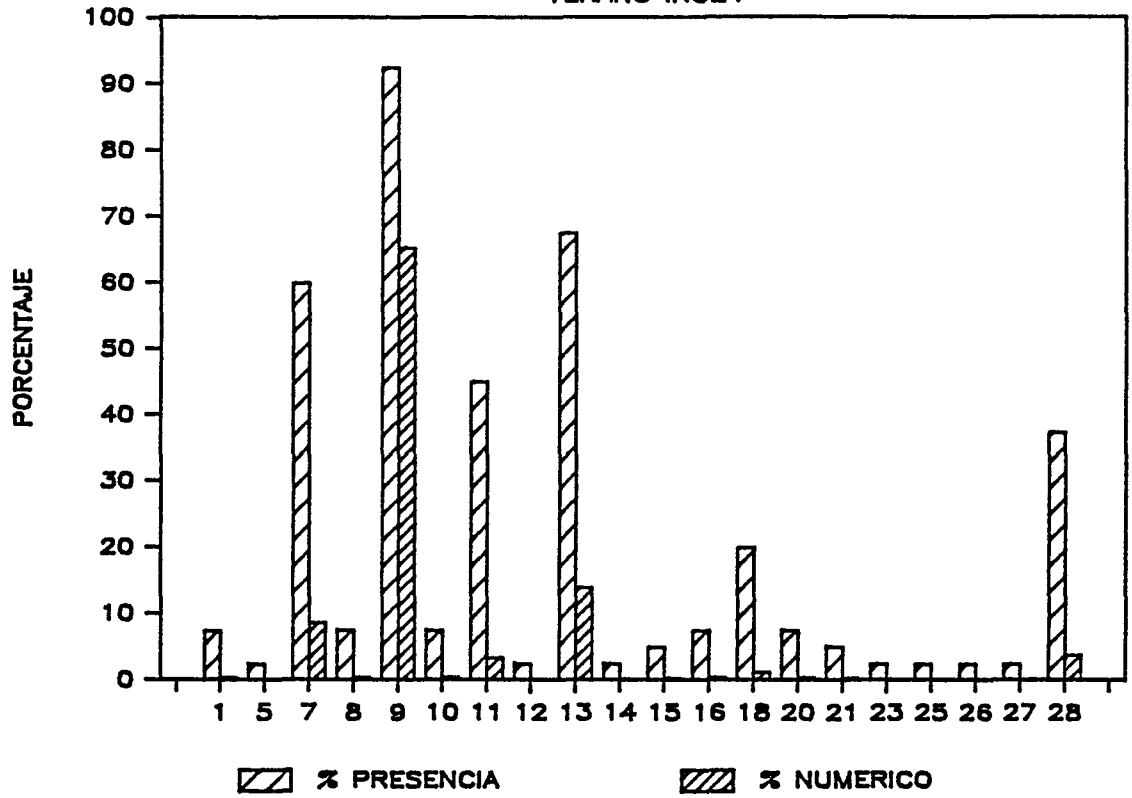


*E. asper*  
PRIMAVERA INGLA

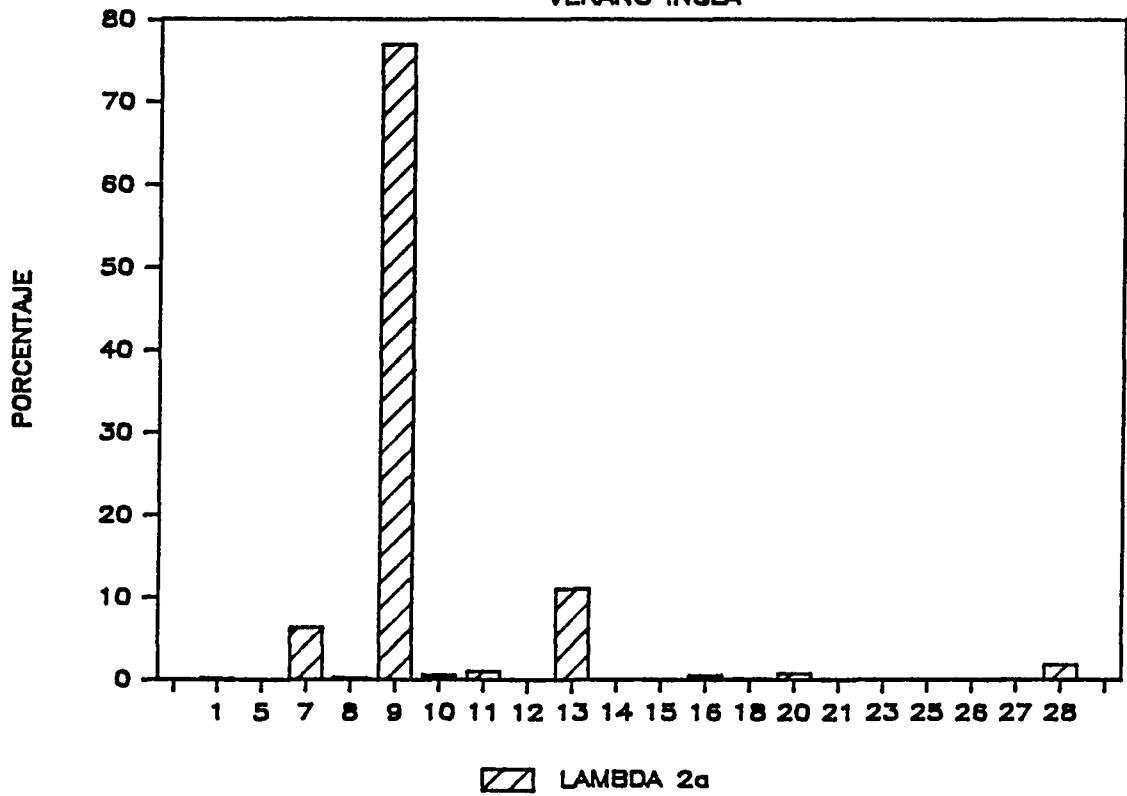




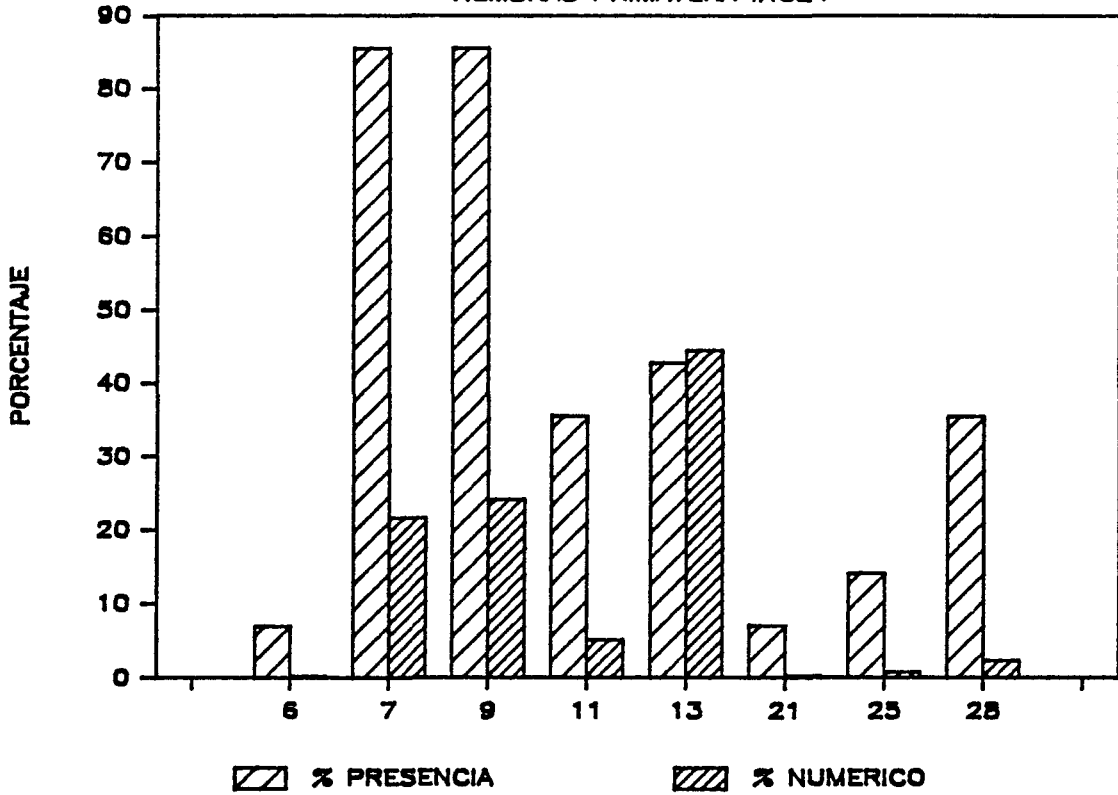
*E. asper*  
VERANO INGLA



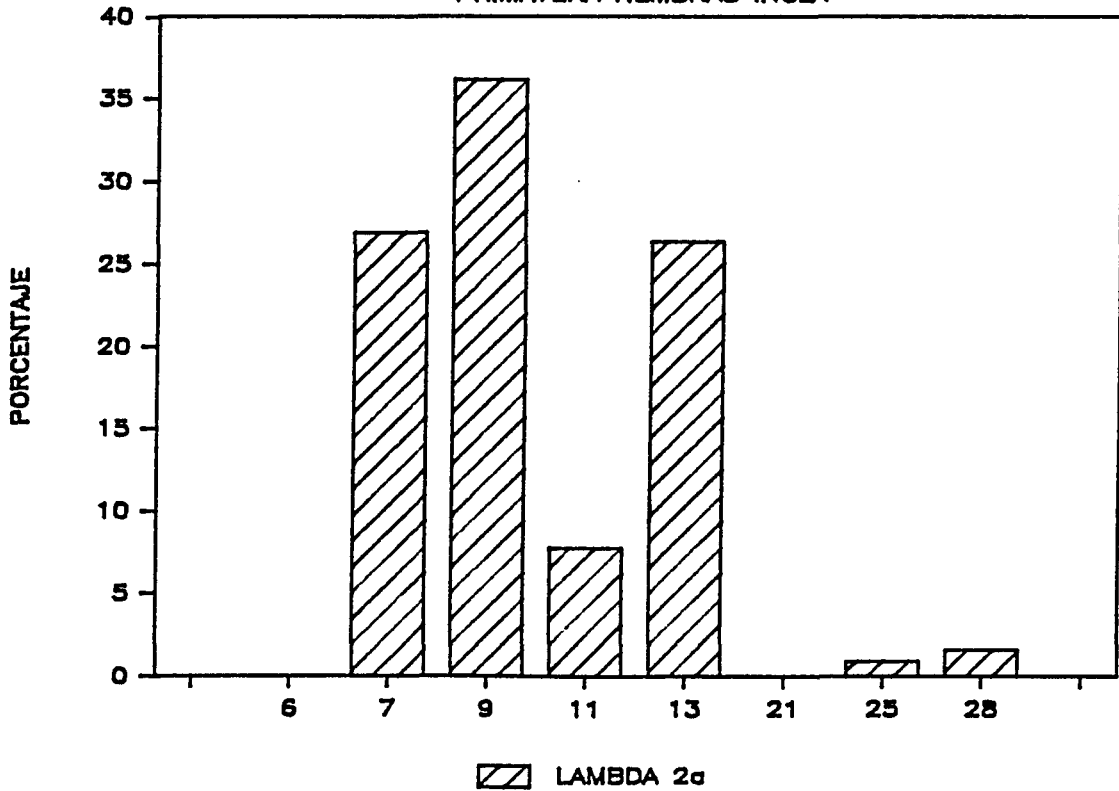
*E. asper*  
VERANO INGLA



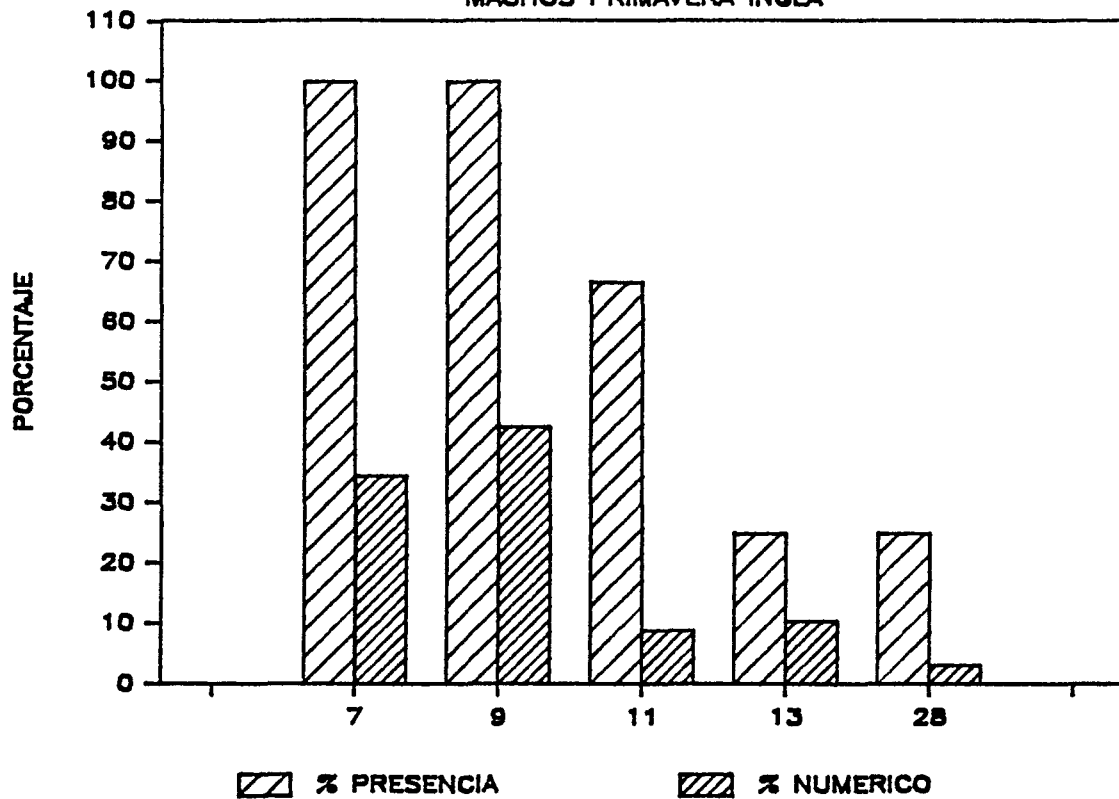
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HEMBRAS PRIMAVERA INGLA



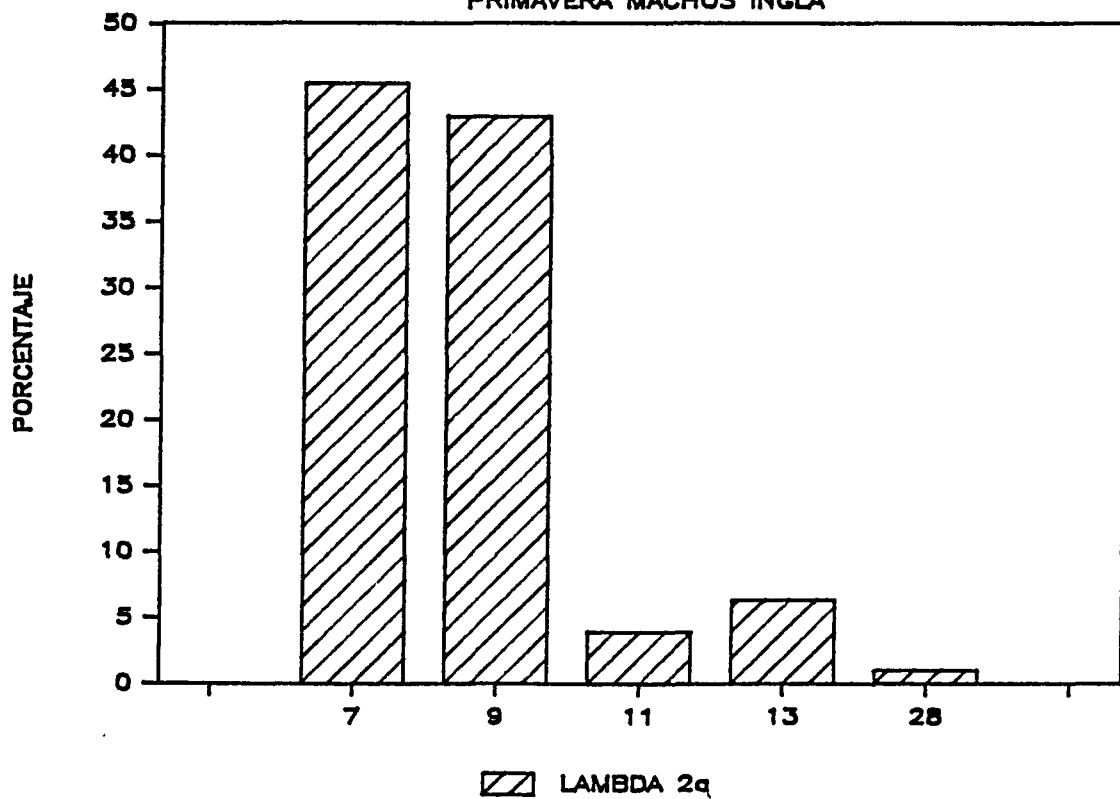
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PRIMAVERA HEMBRAS INGLA



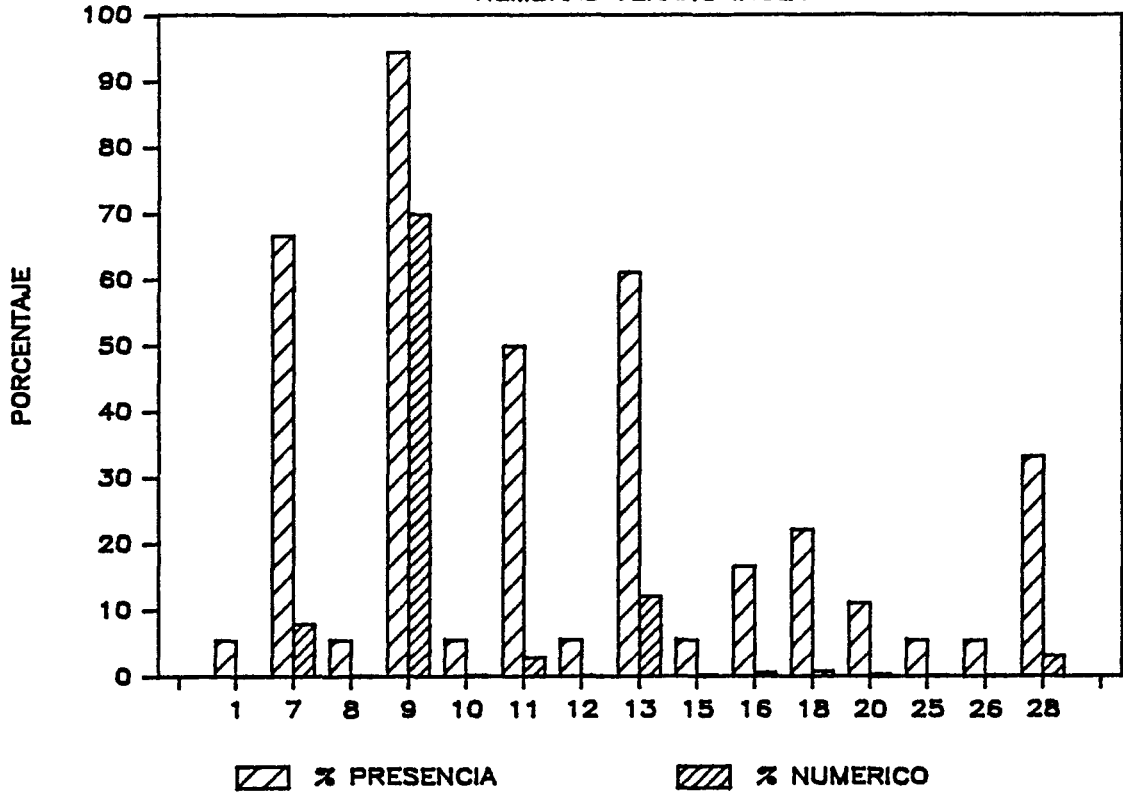
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MACHOS PRIMAVERA INGLA



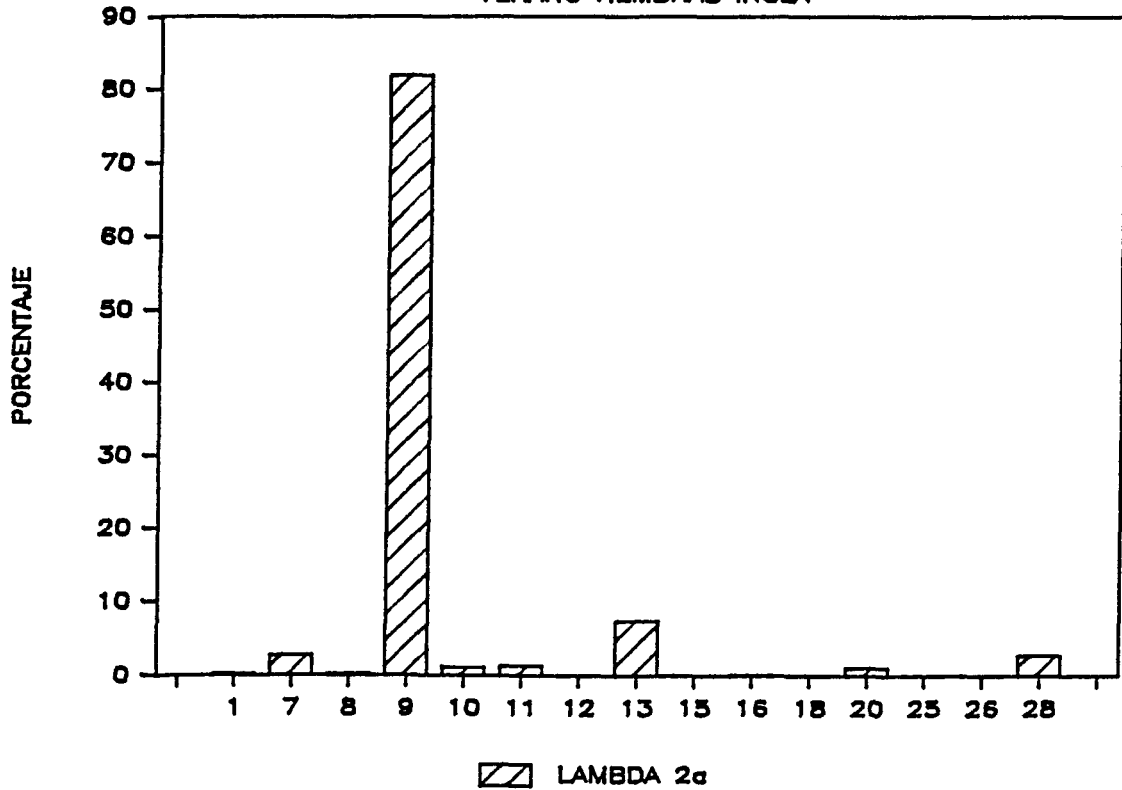
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PRIMAVERA MACHOS INGLA



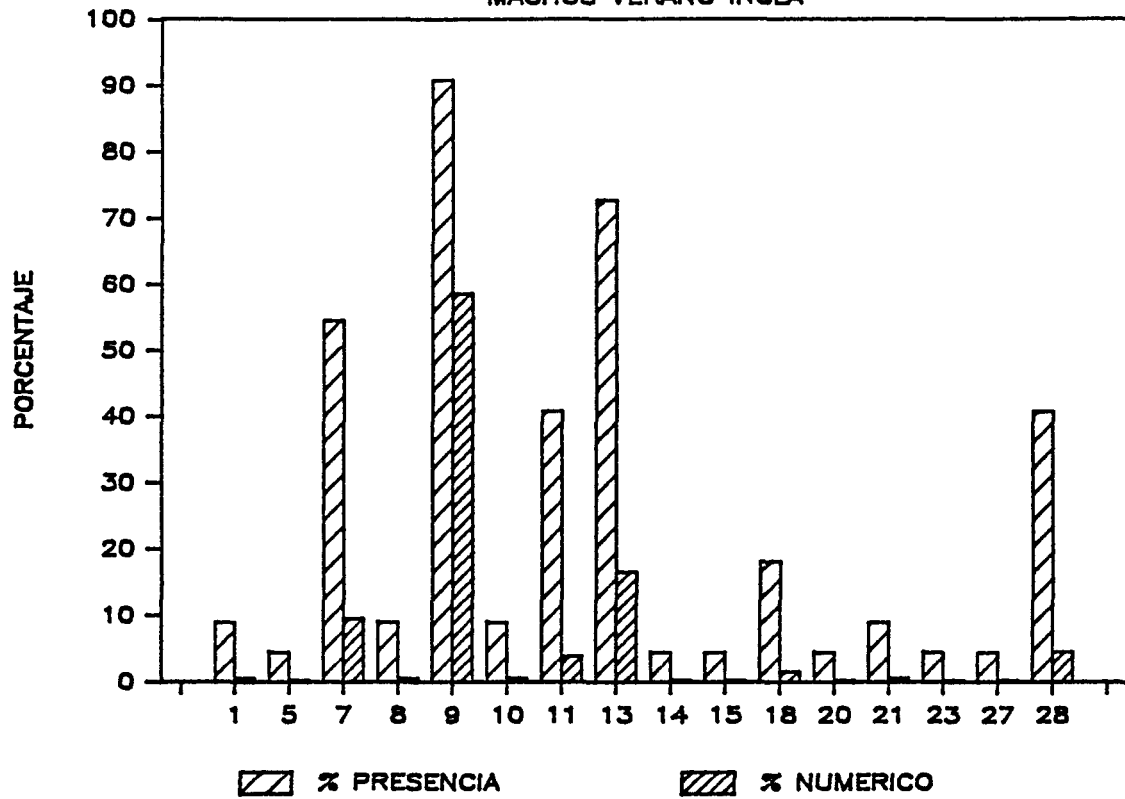
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HEMBRAS VERANO INGLA



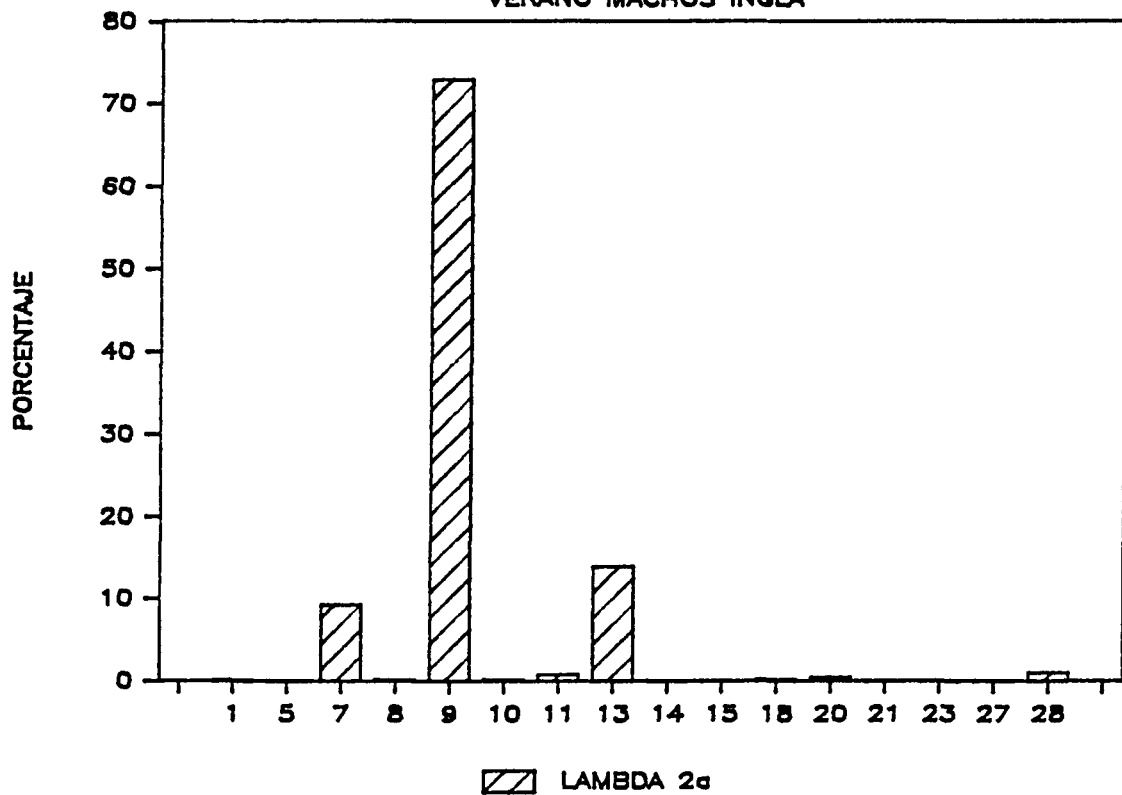
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VERANO HEMBRAS INGLA



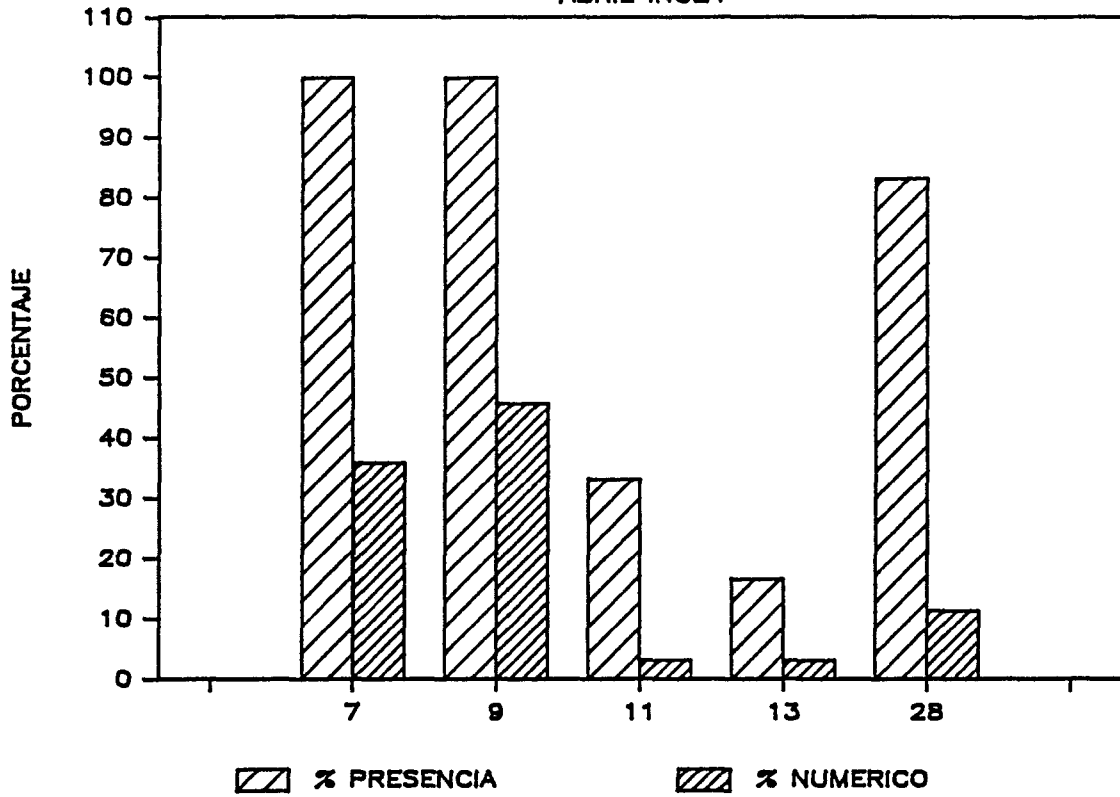
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MACHOS VERANO INGLA



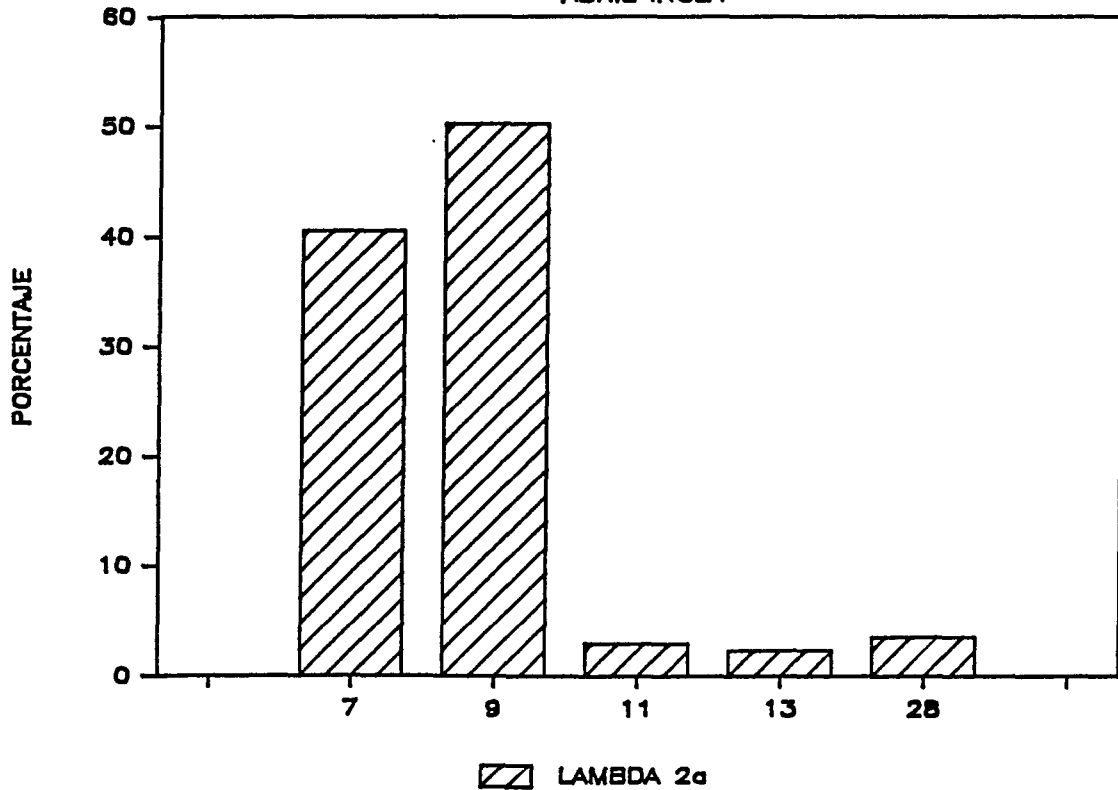
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VERANO MACHOS INGLA



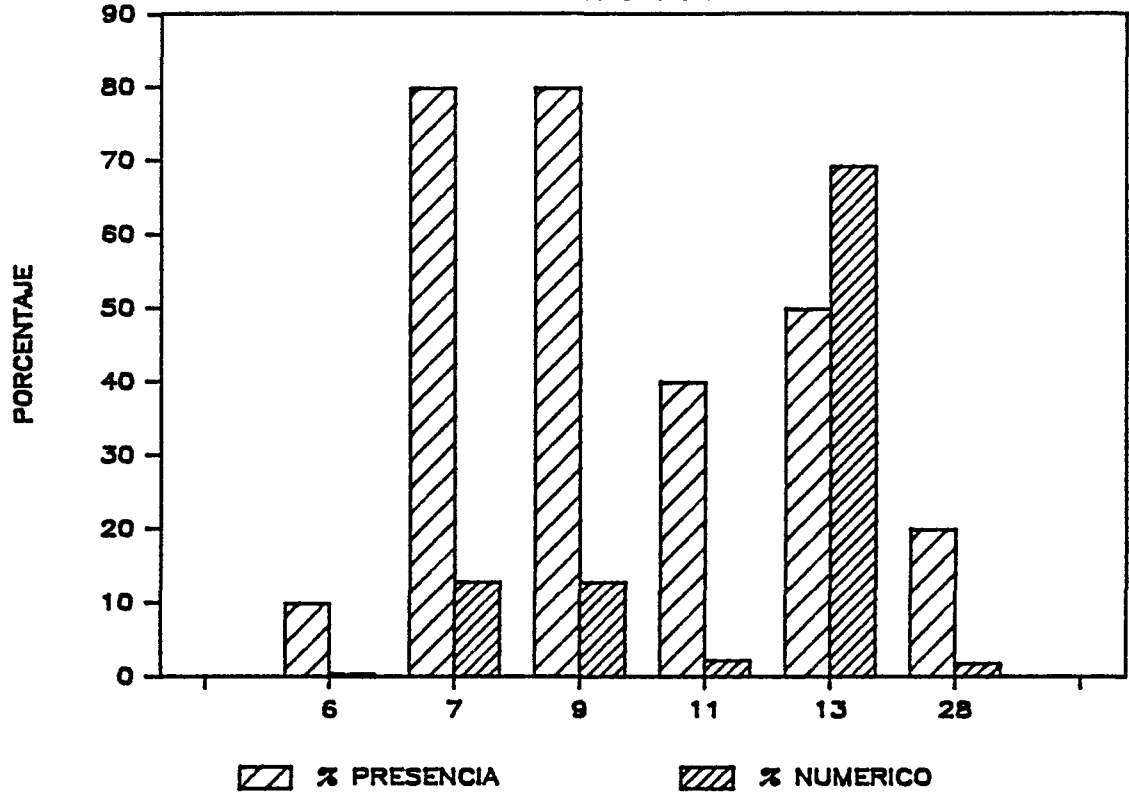
*E. asper*  
ABRIL INGLA



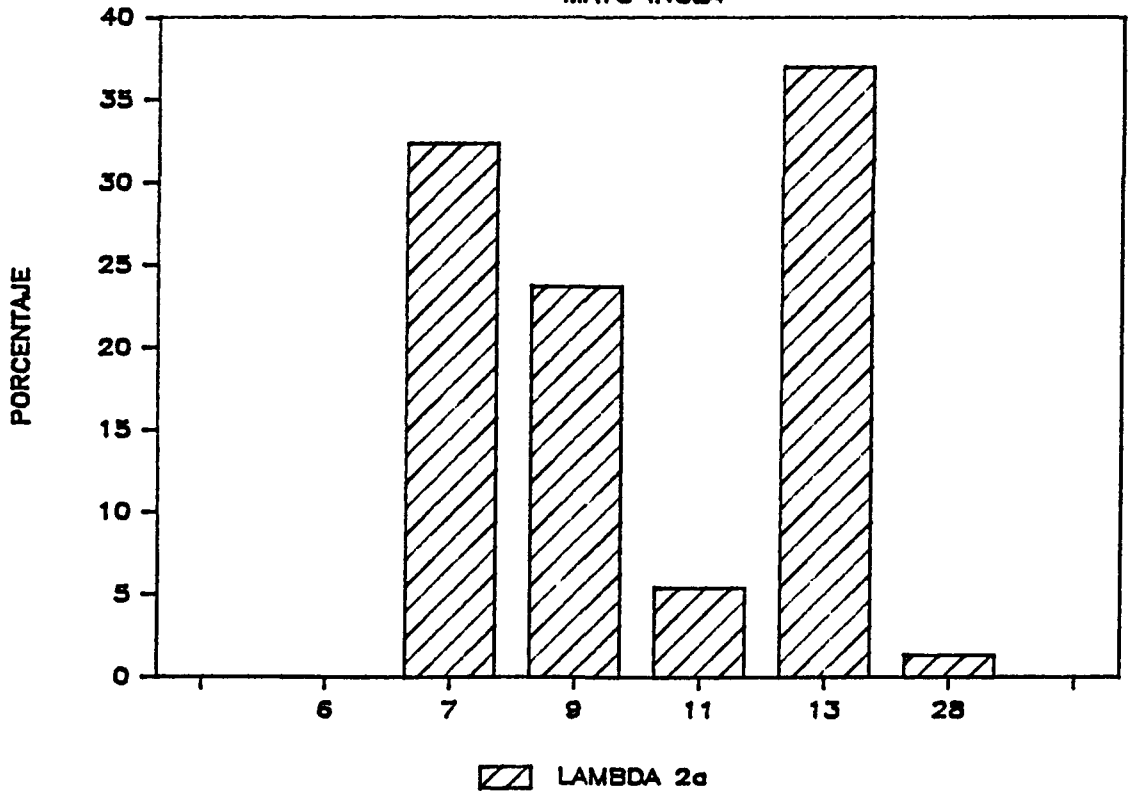
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ABRIL INGLA



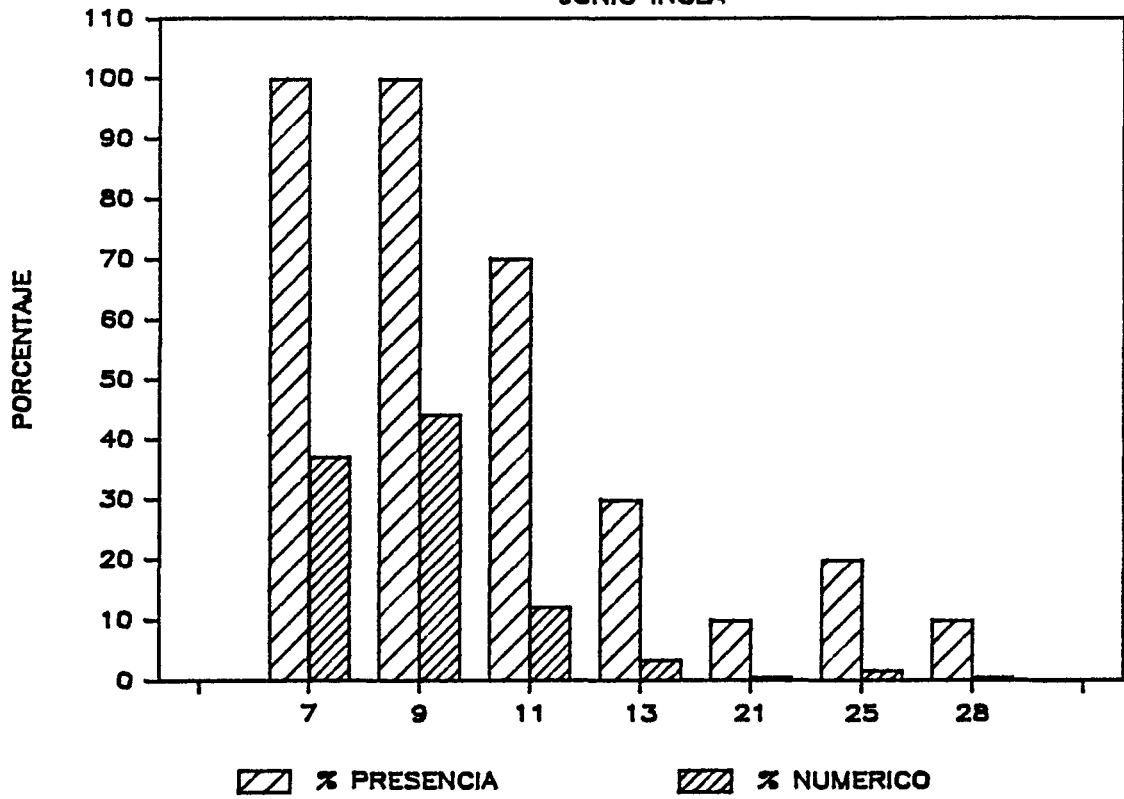
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MAYO INGLA



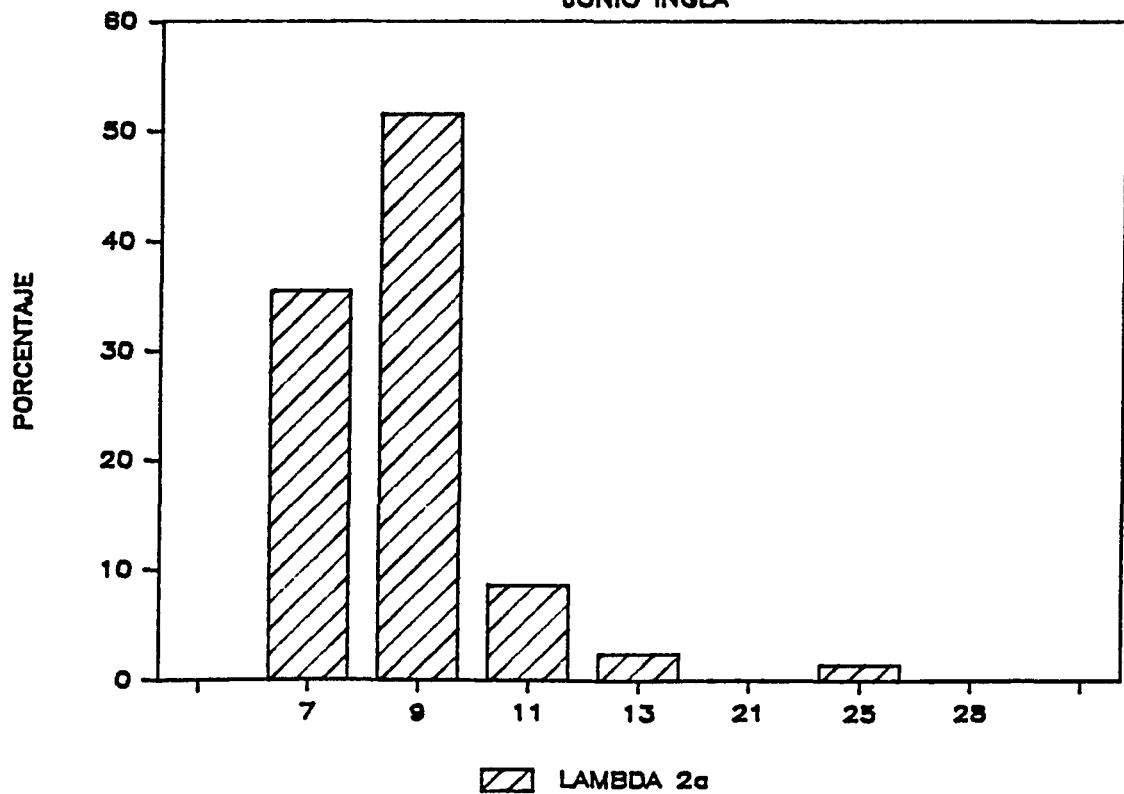
*E. asper*  
MAYO INGLA



*E. asper*  
JUNIO INGLA



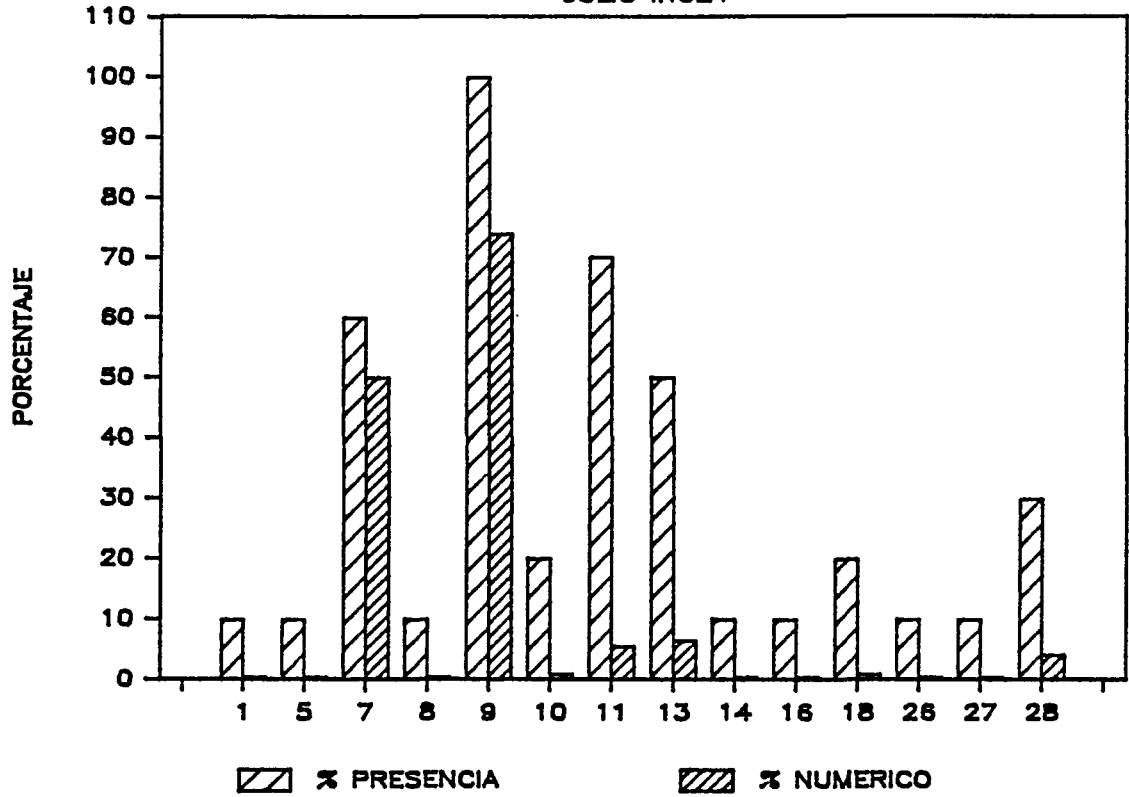
*E. asper*  
JUNIO INGLA





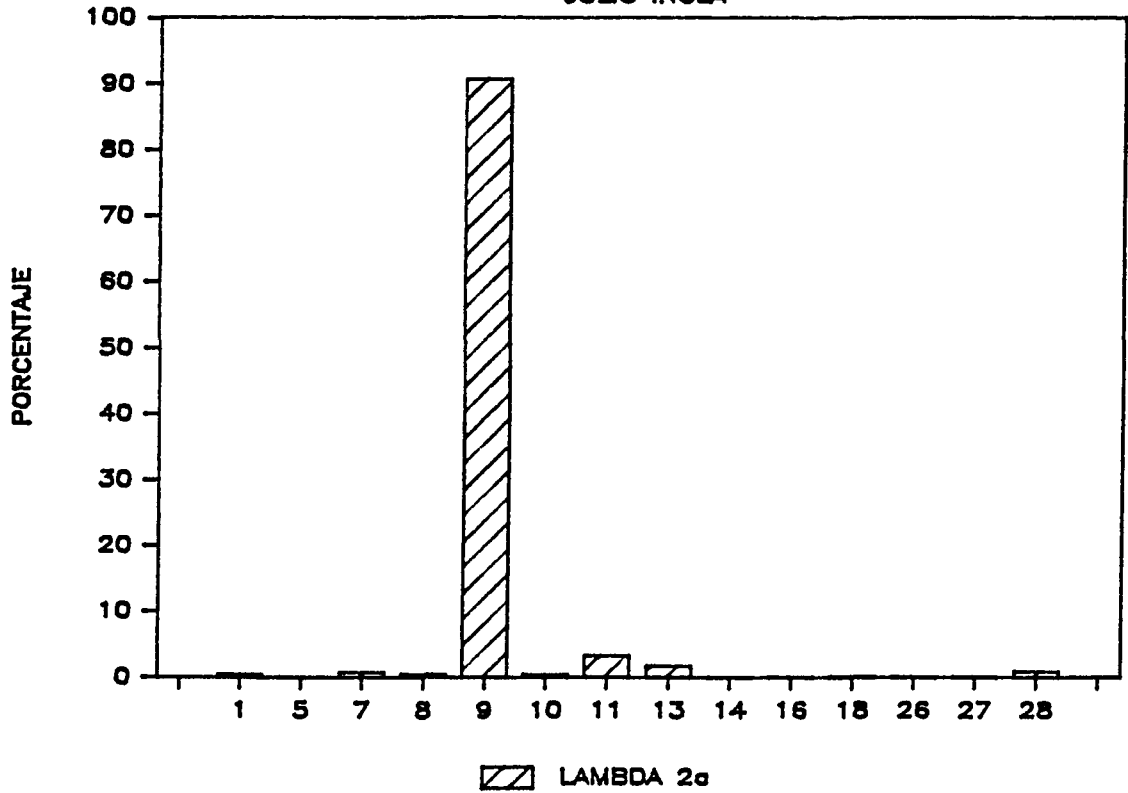
### E. asper

JULIO INGLA

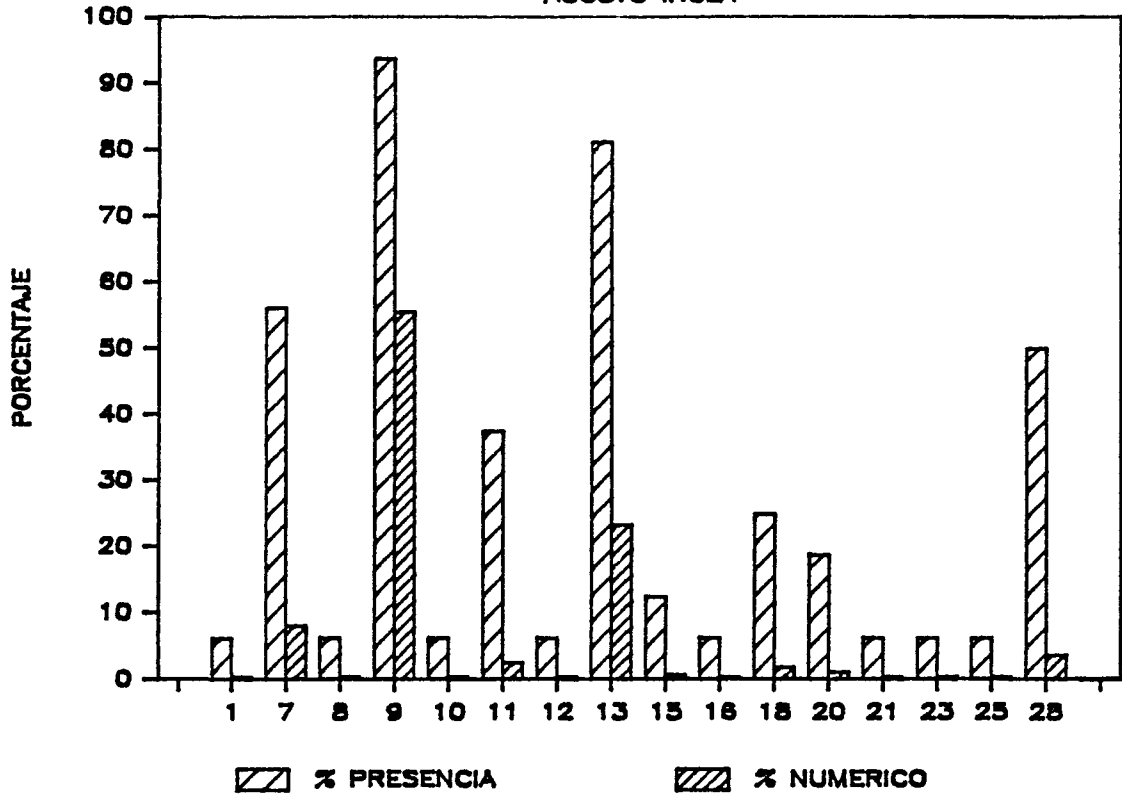


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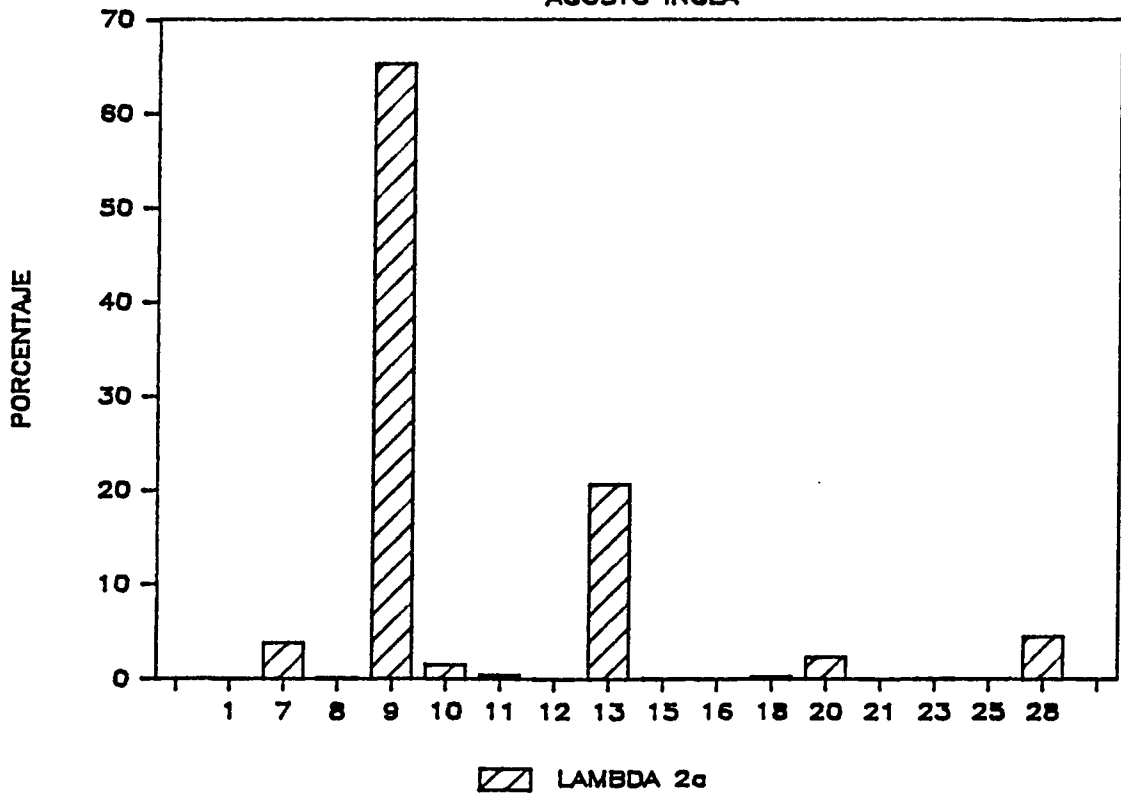
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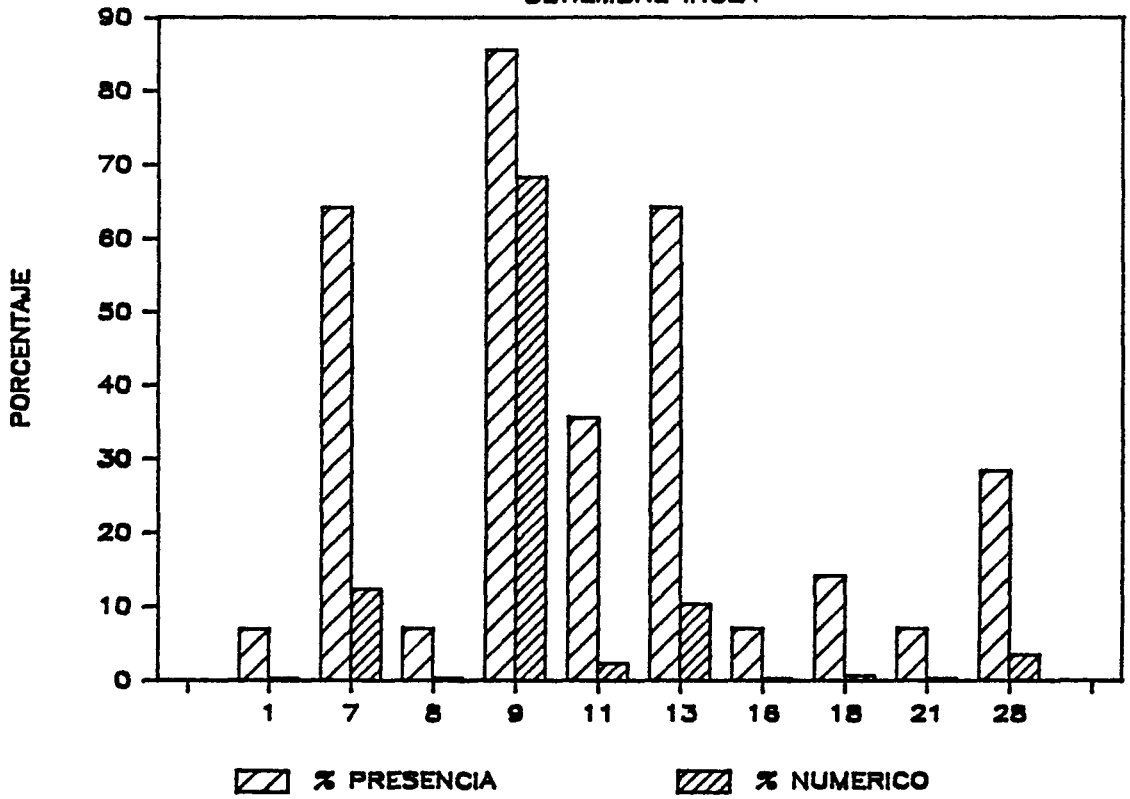
*E. asper*  
AGOSTO INGLA



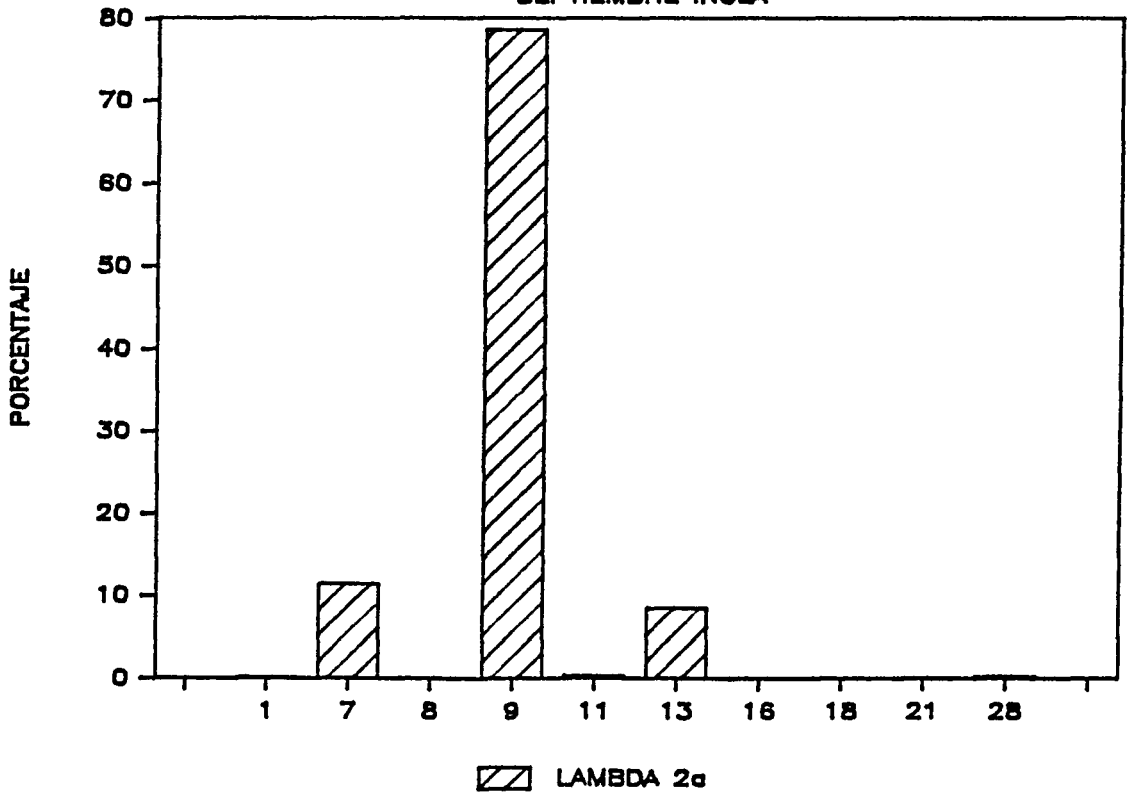
*E. asper*  
AGOSTO INGLA



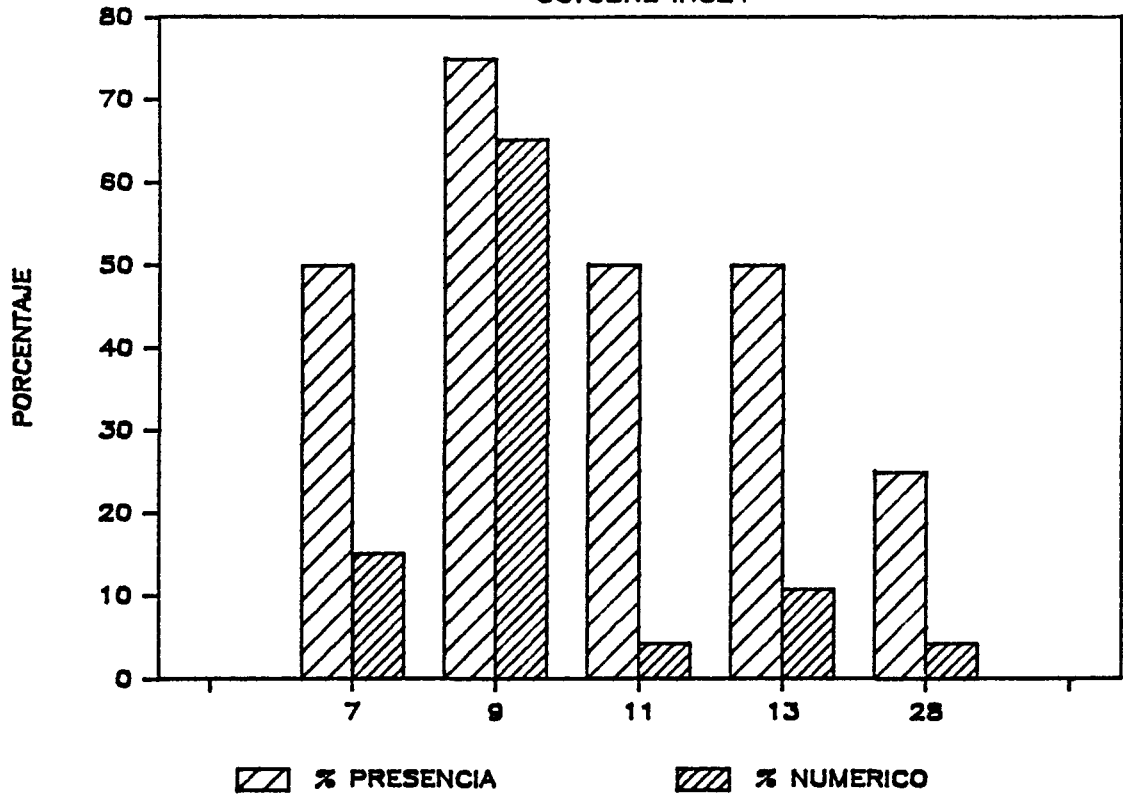
*E. asper*  
SETIEMBRE INGLA



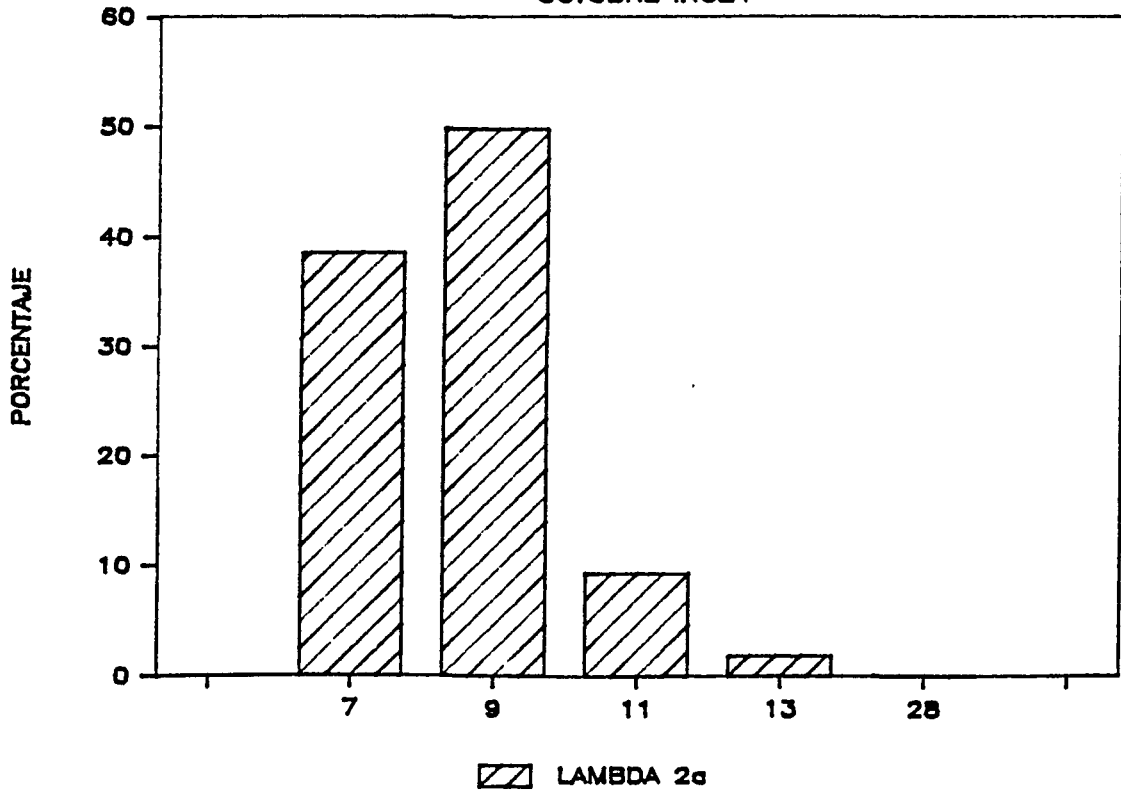
*E. asper*  
SEPTIEMBRE INGLA



*E. asper*  
OCTUBRE INGLA

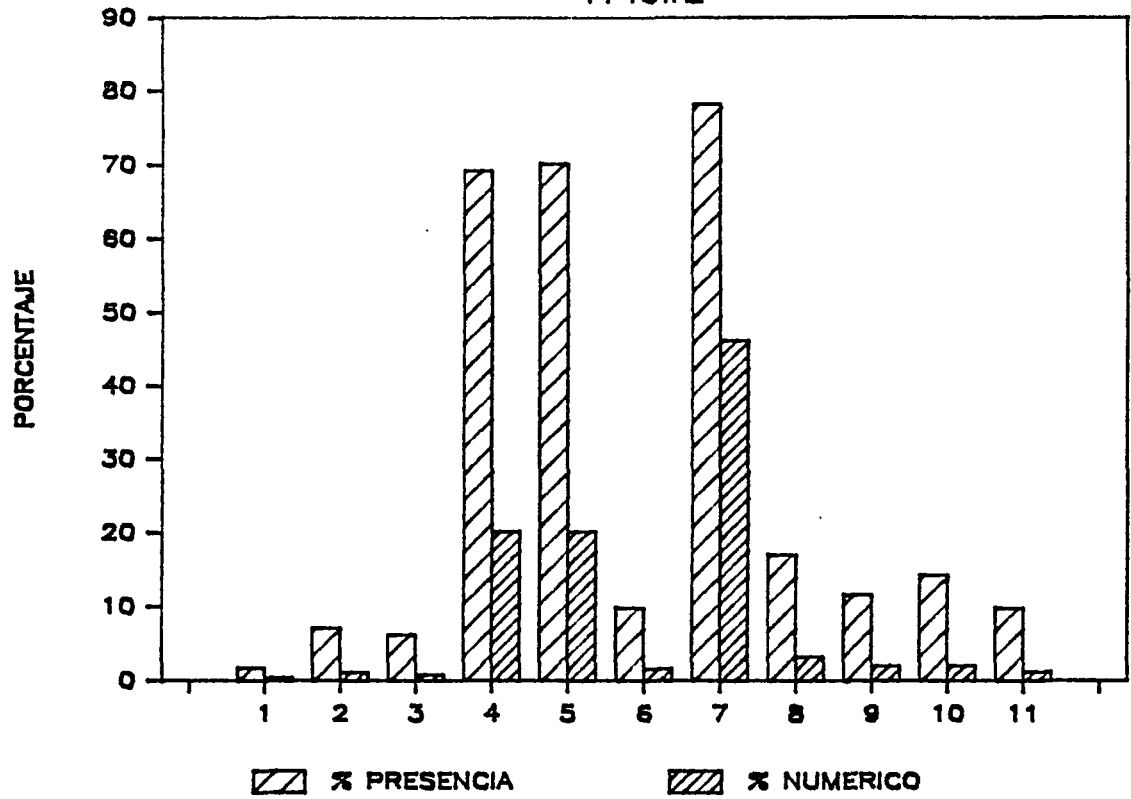


*E. asper*  
OCTUBRE INGLA



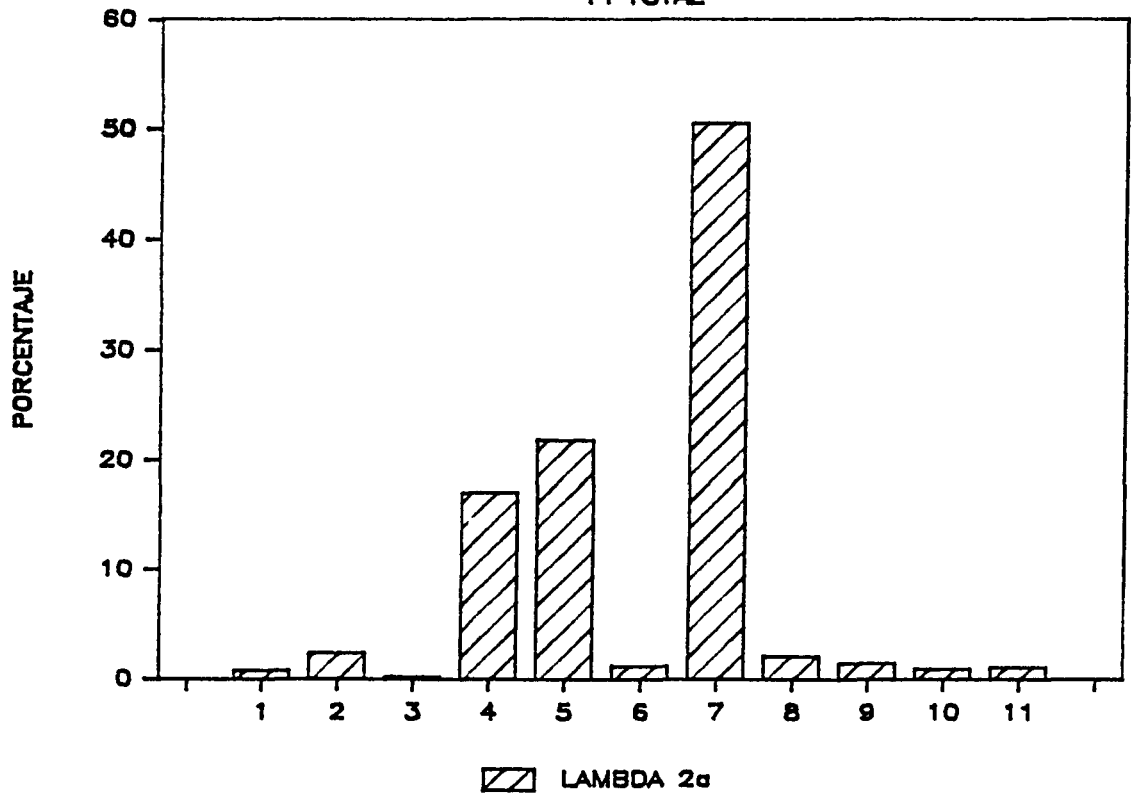
### E. asper (Larvas)

PI TOTAL



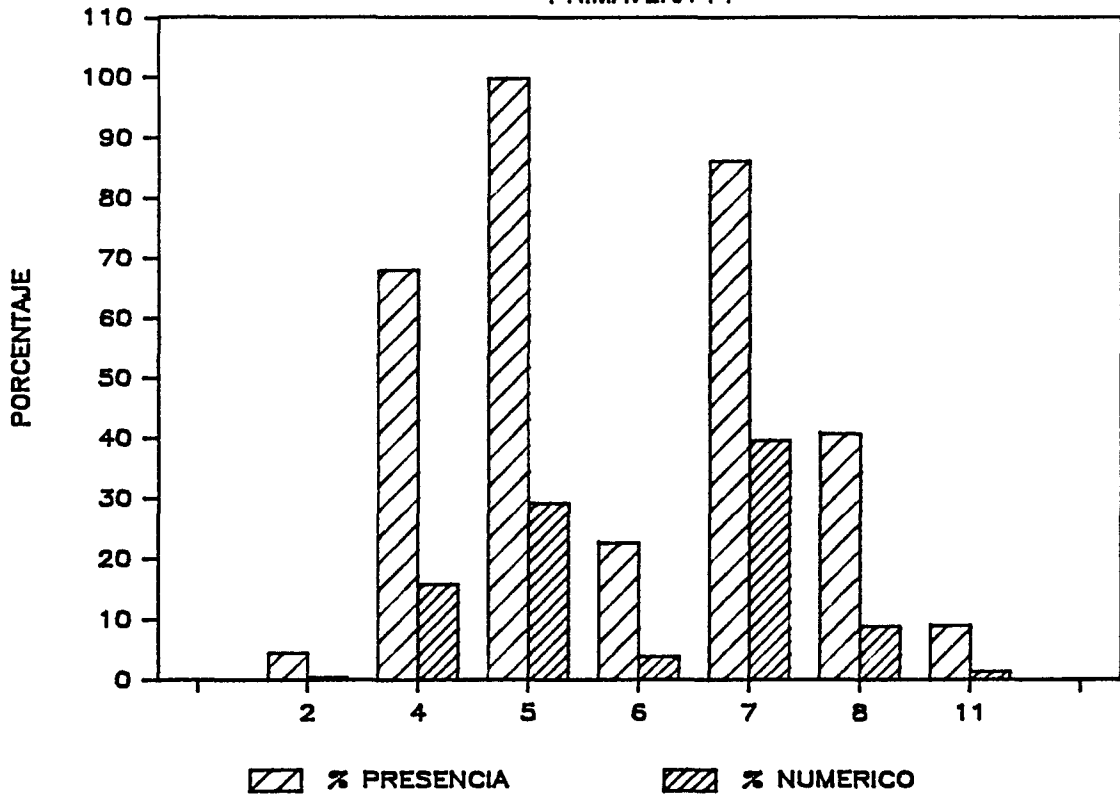
### E. asper (Larvas)

PI TOTAL



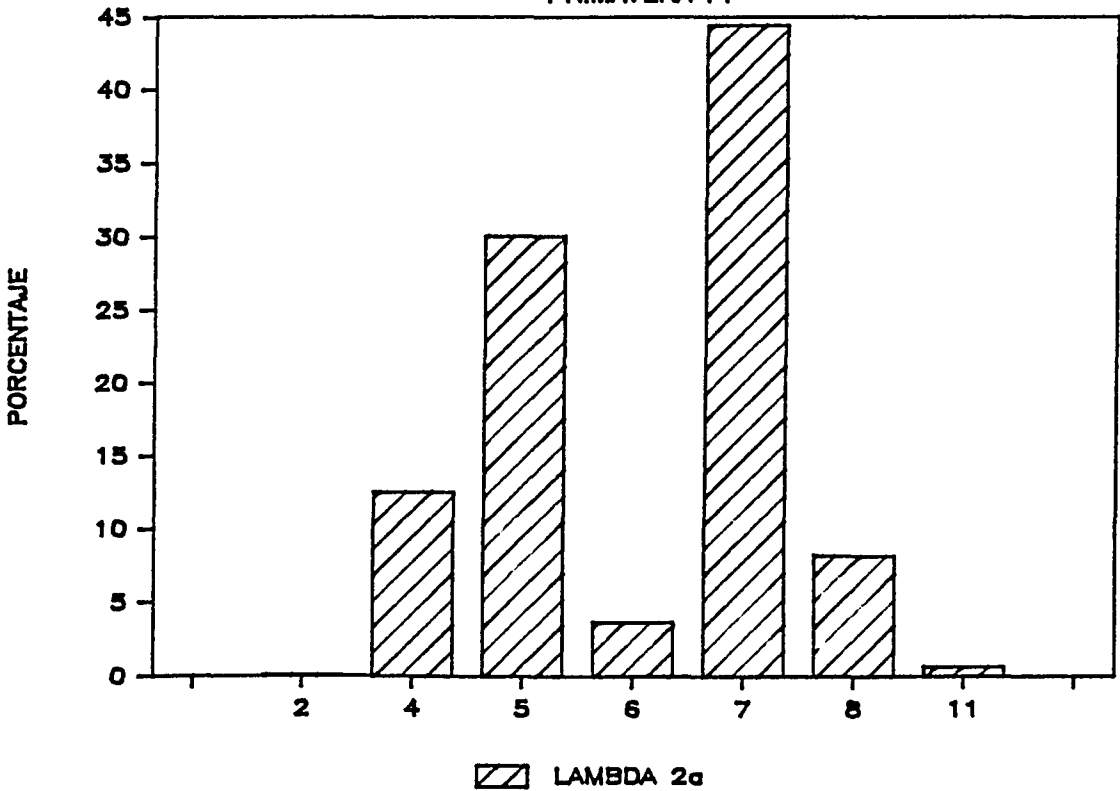
# E. asper (Larvas)

PRIMAVERA PI



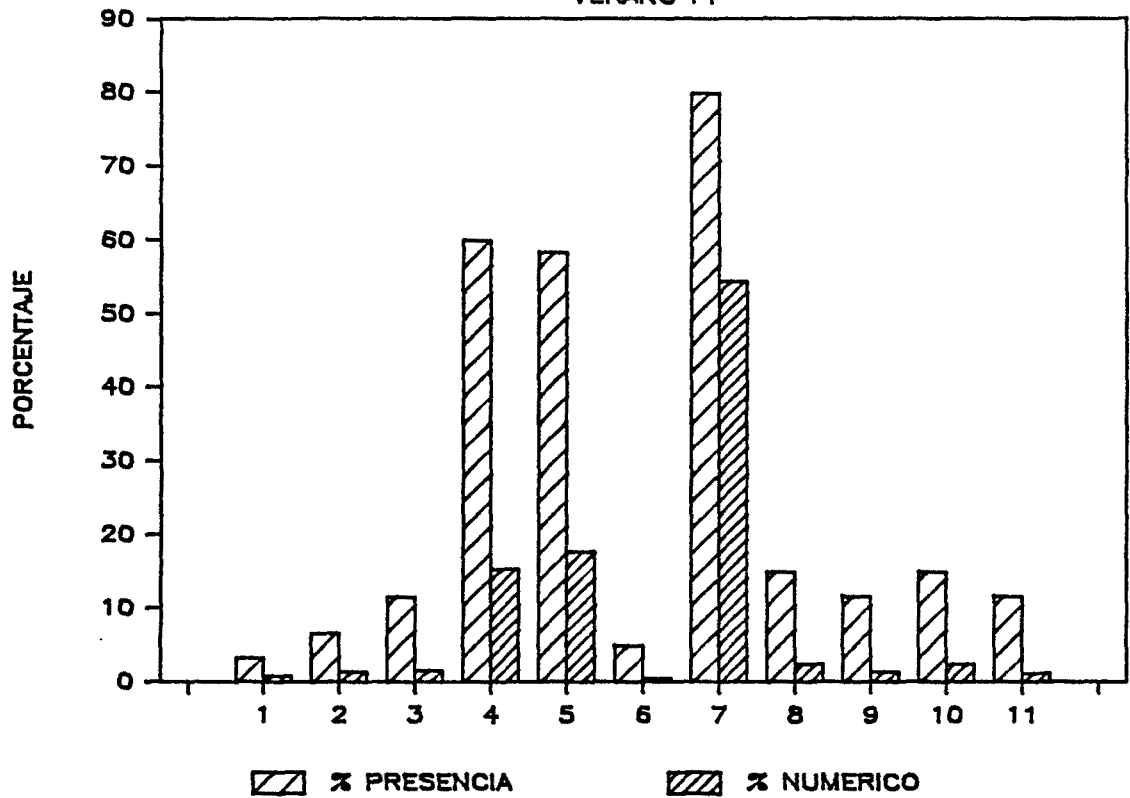
# E. asper (Larvas)

PRIMAVERA PI



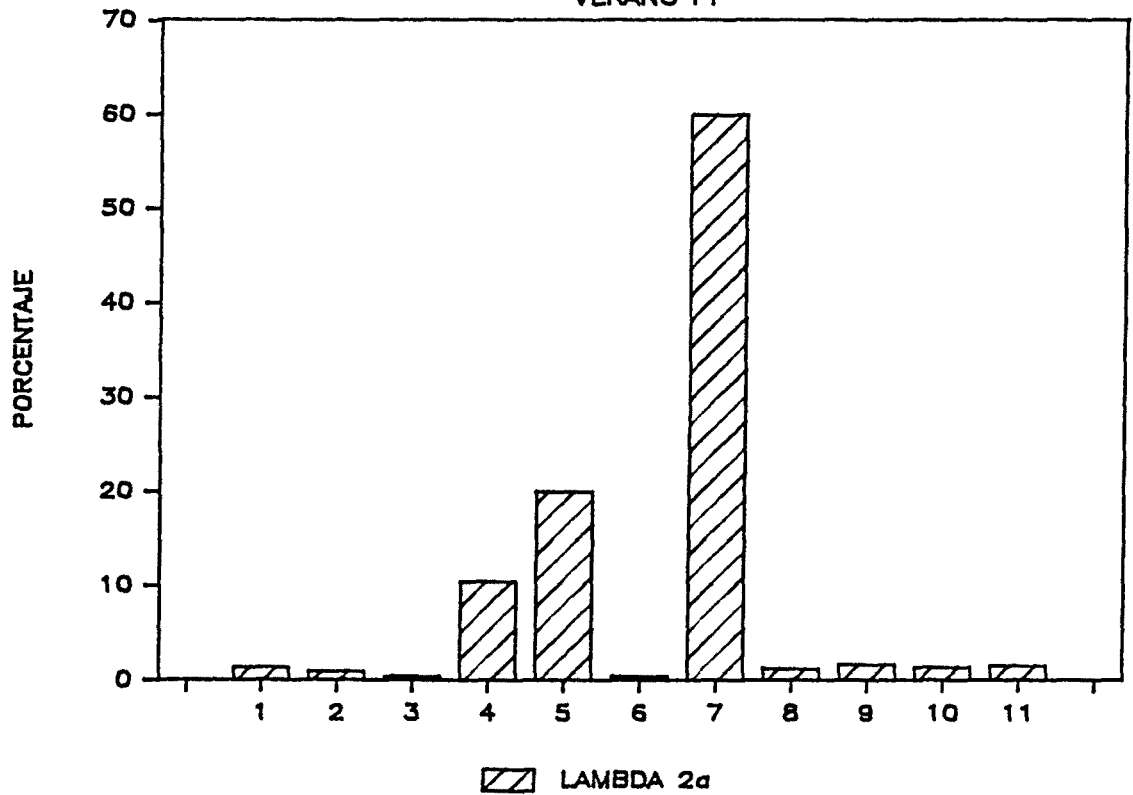
### E. asper (Larvas)

VERANO PI



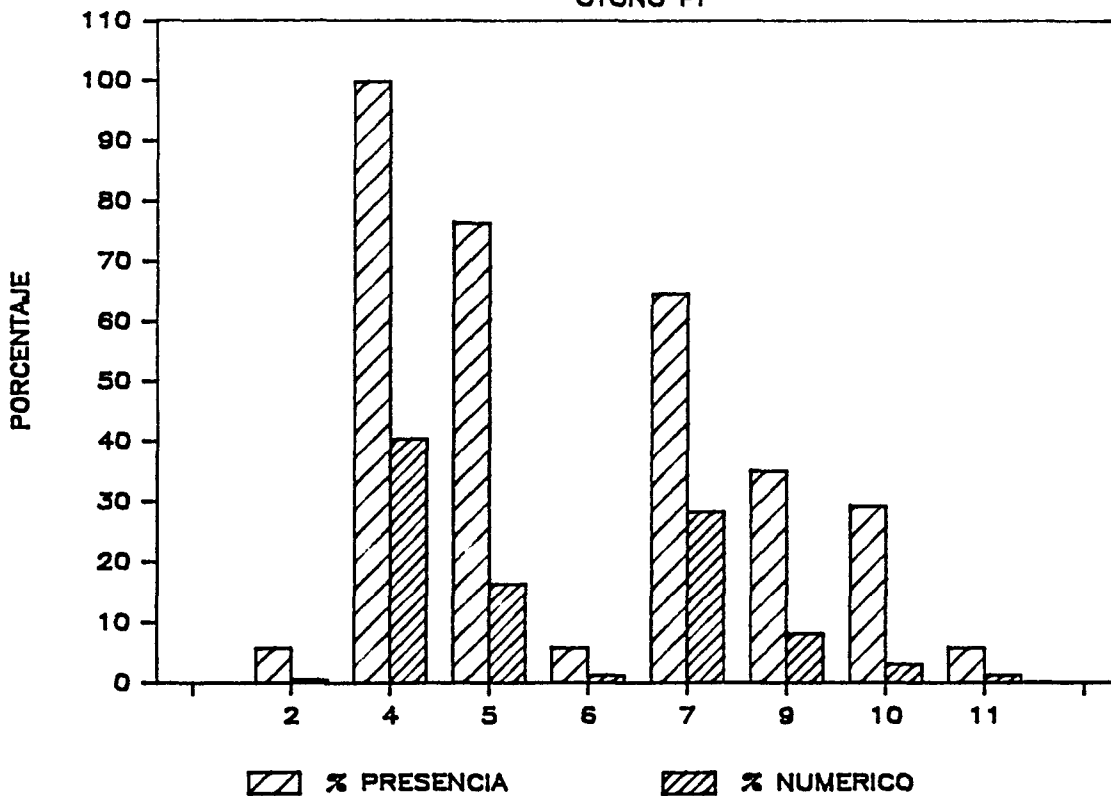
### E. asper (Larvas)

VERANO PI



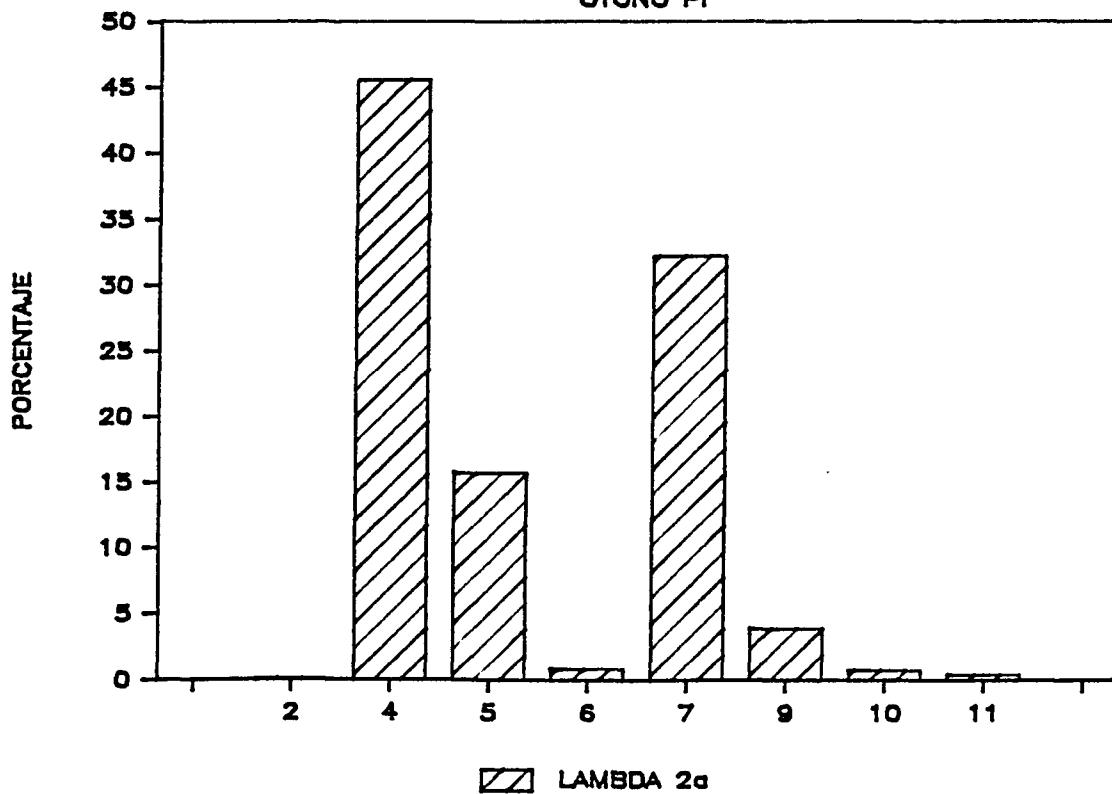
# E. asper (Larvas)

OTONO PI



# E. asper (Larvas)

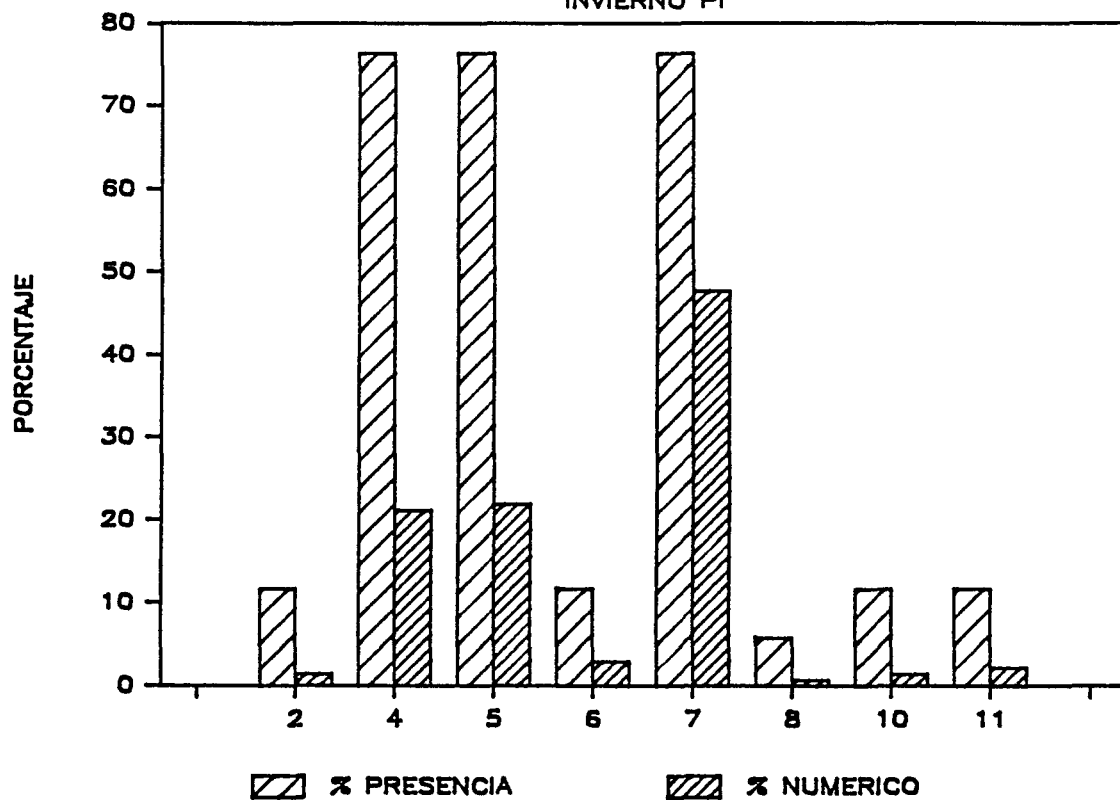
OTONO PI





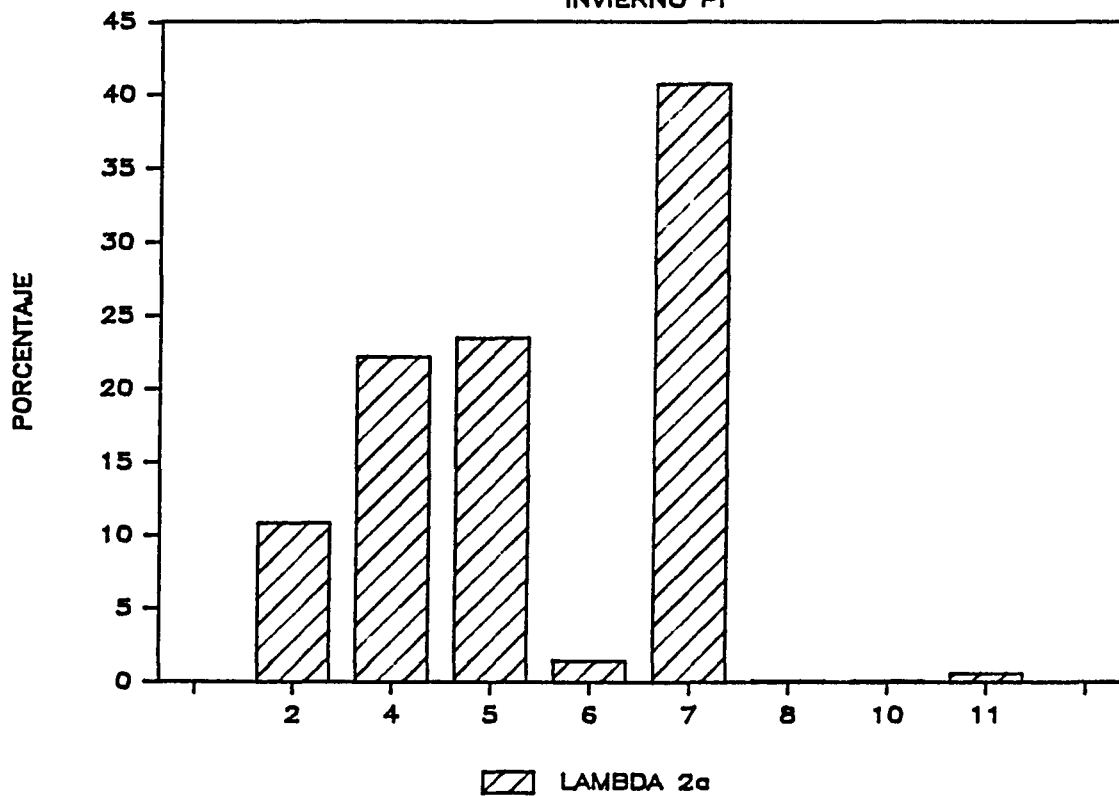
### E. asper (Larvas)

INVIERNO PI



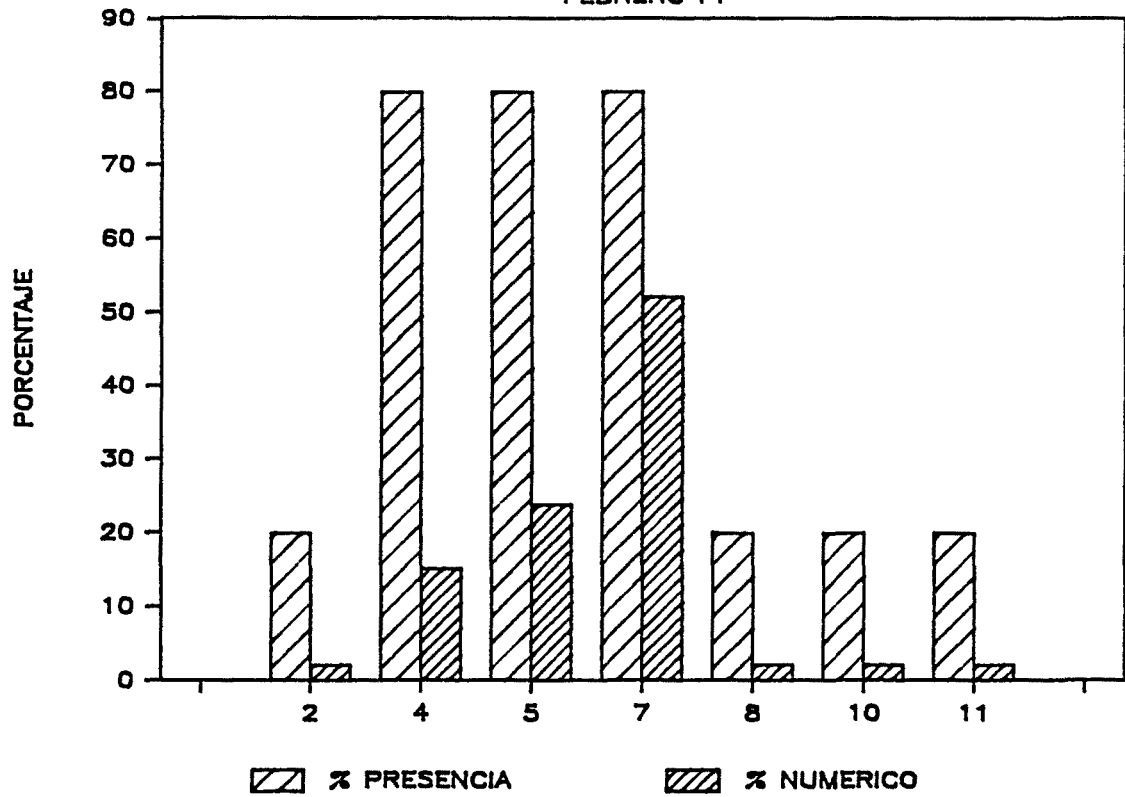
### E. asper (Larvas)

INVIERNO PI



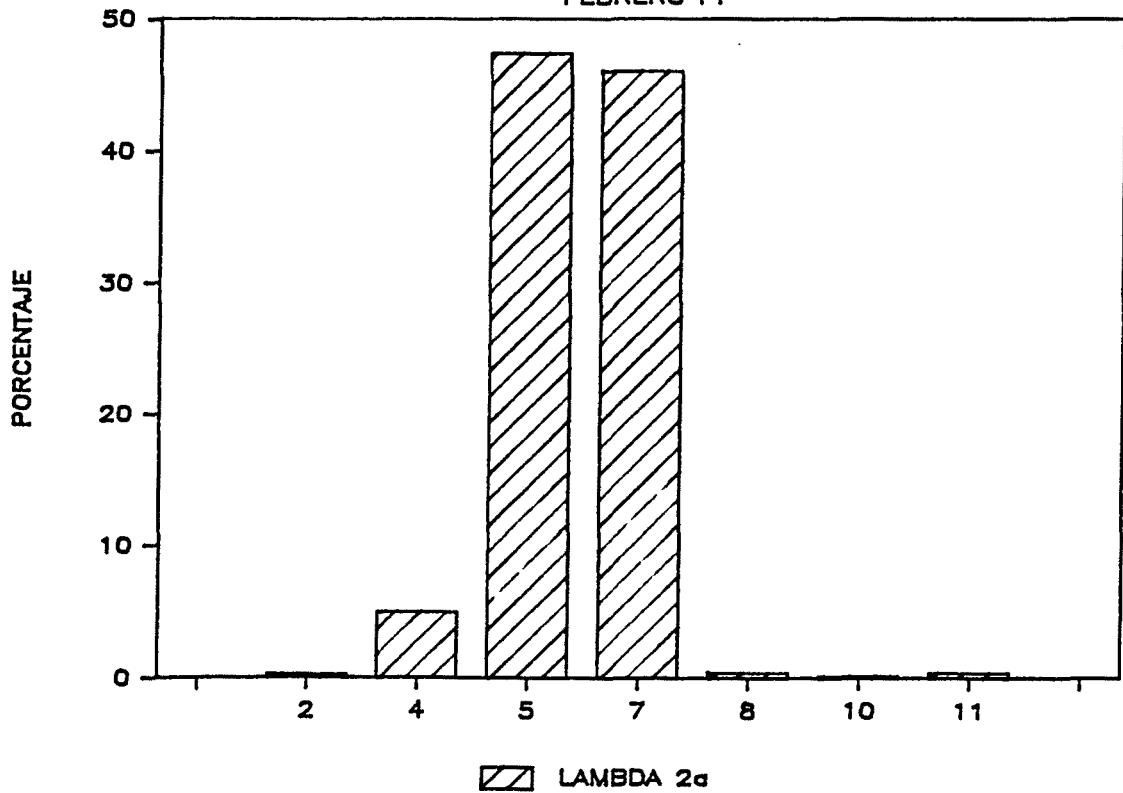
### E. asper (Larvas)

FEBRERO PI



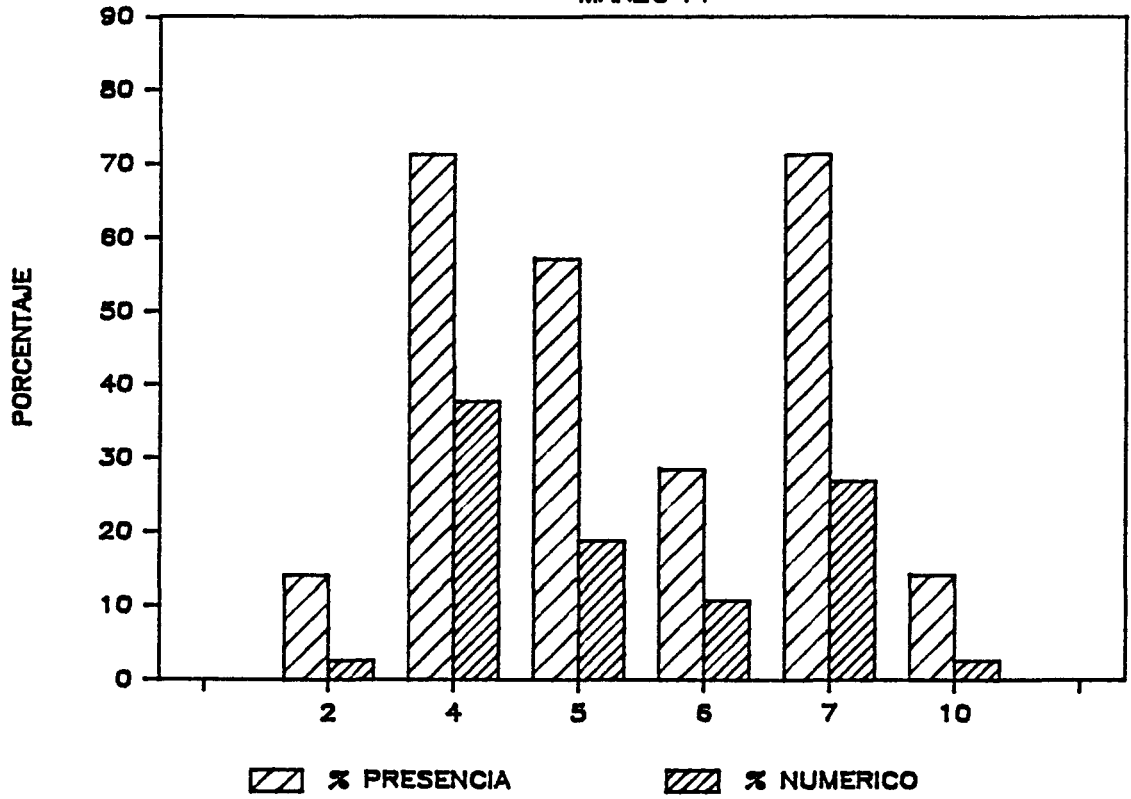
### E. asper (Larvas)

FEBRERO PI



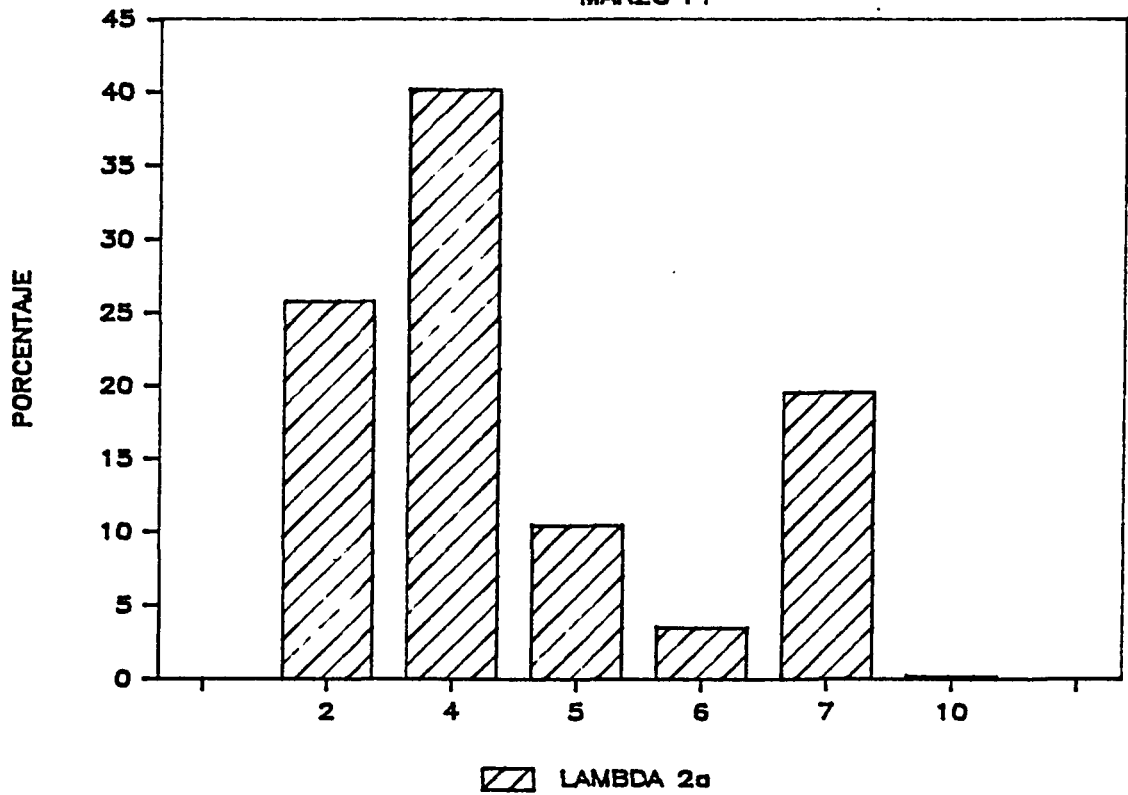
### E. asper (Larvas)

MARZO PI



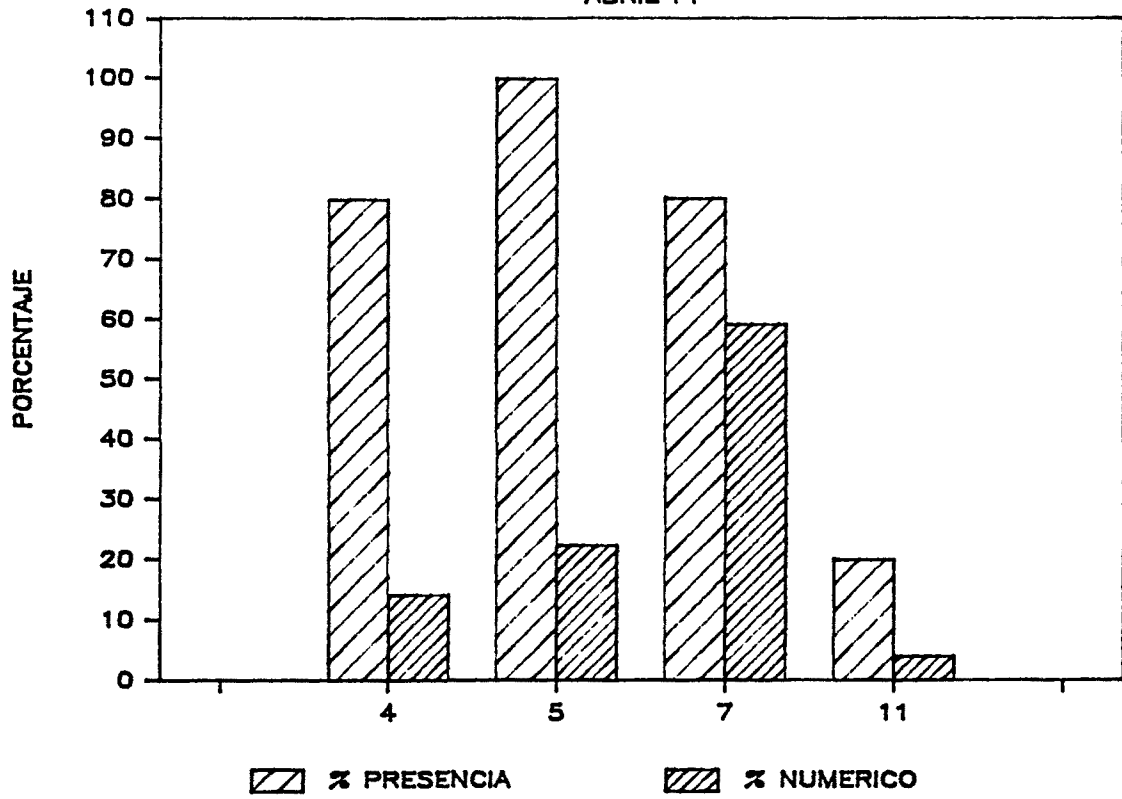
### E. asper (Larvas)

MARZO PI



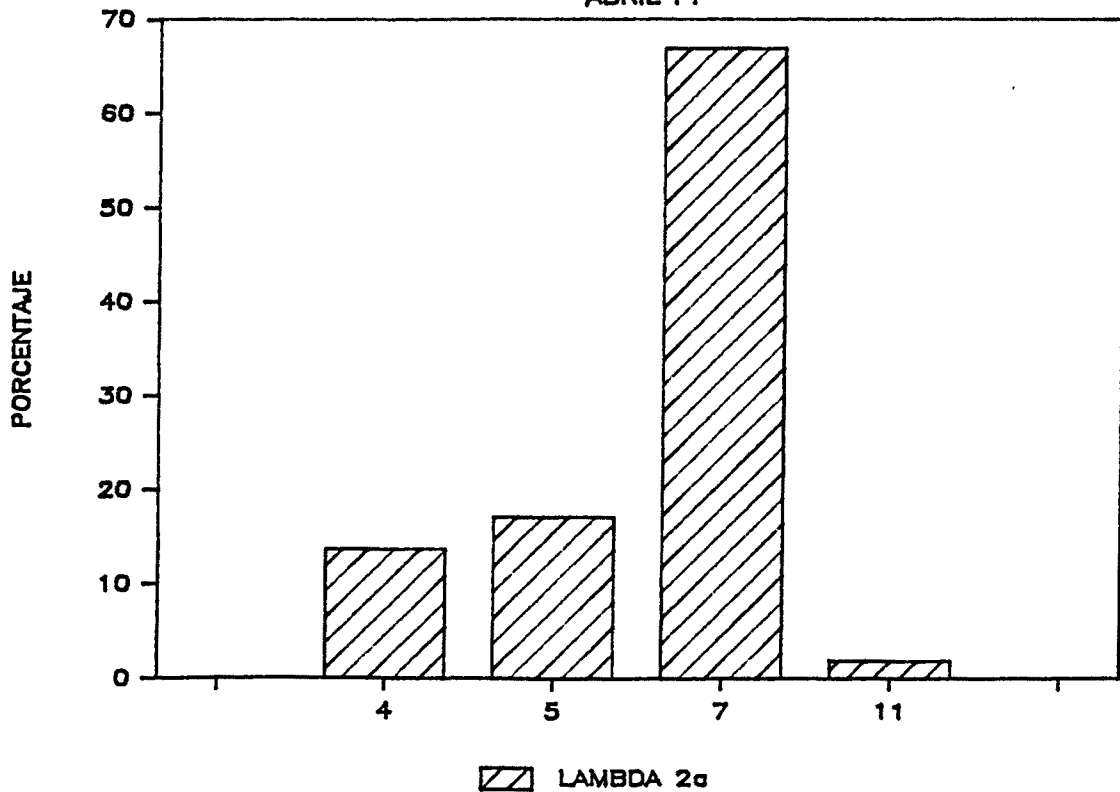
# E. asper (Larvas)

ABRIL PI



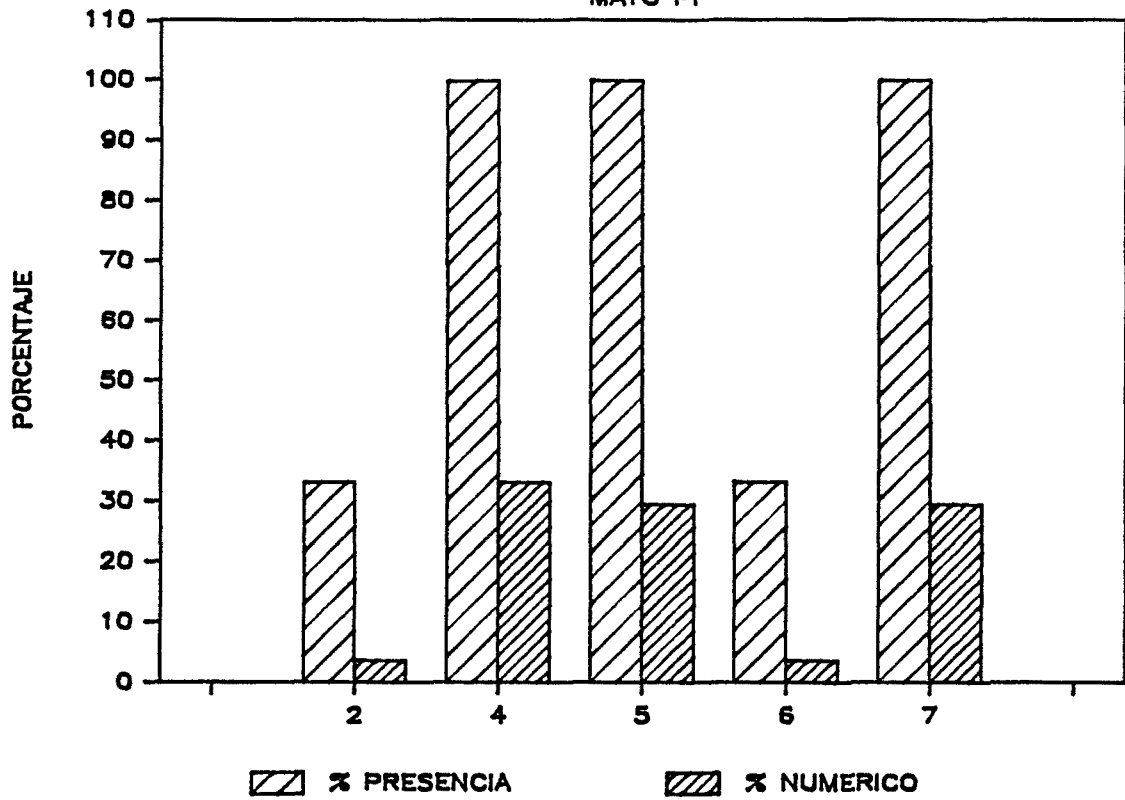
# E. asper (Larvas)

ABRIL PI



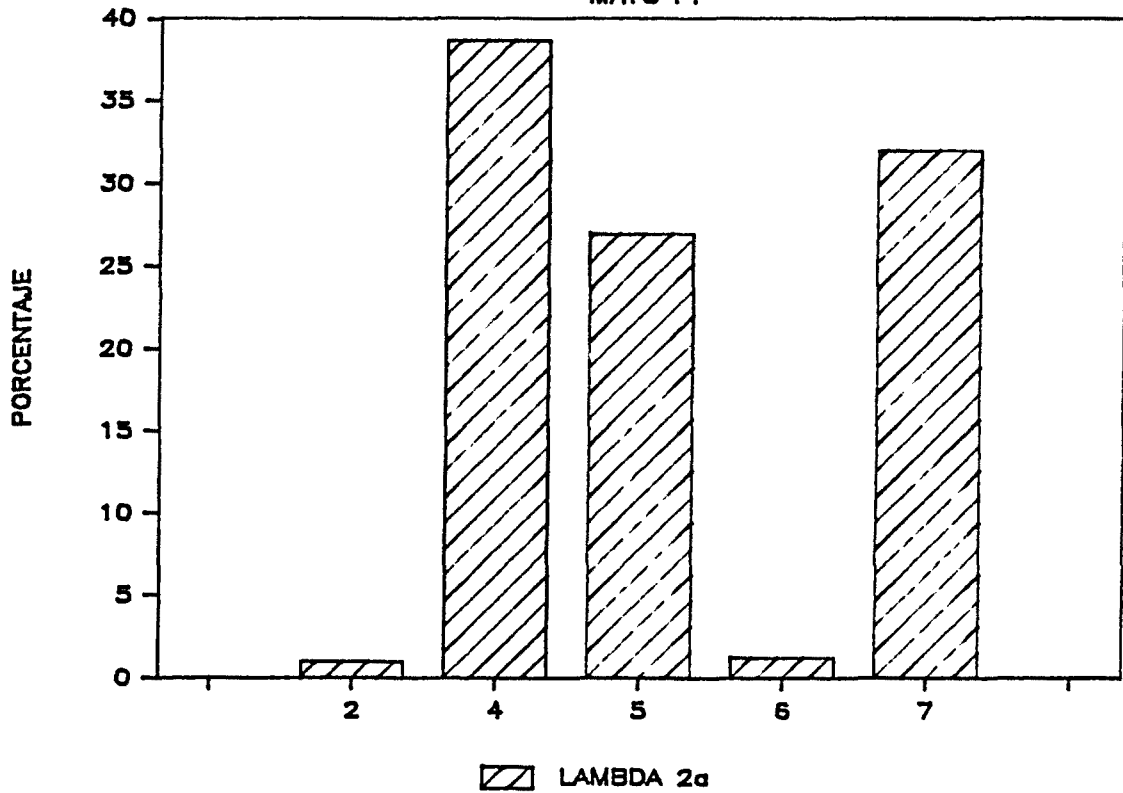
### E. asper (Larvas)

MAYO PI



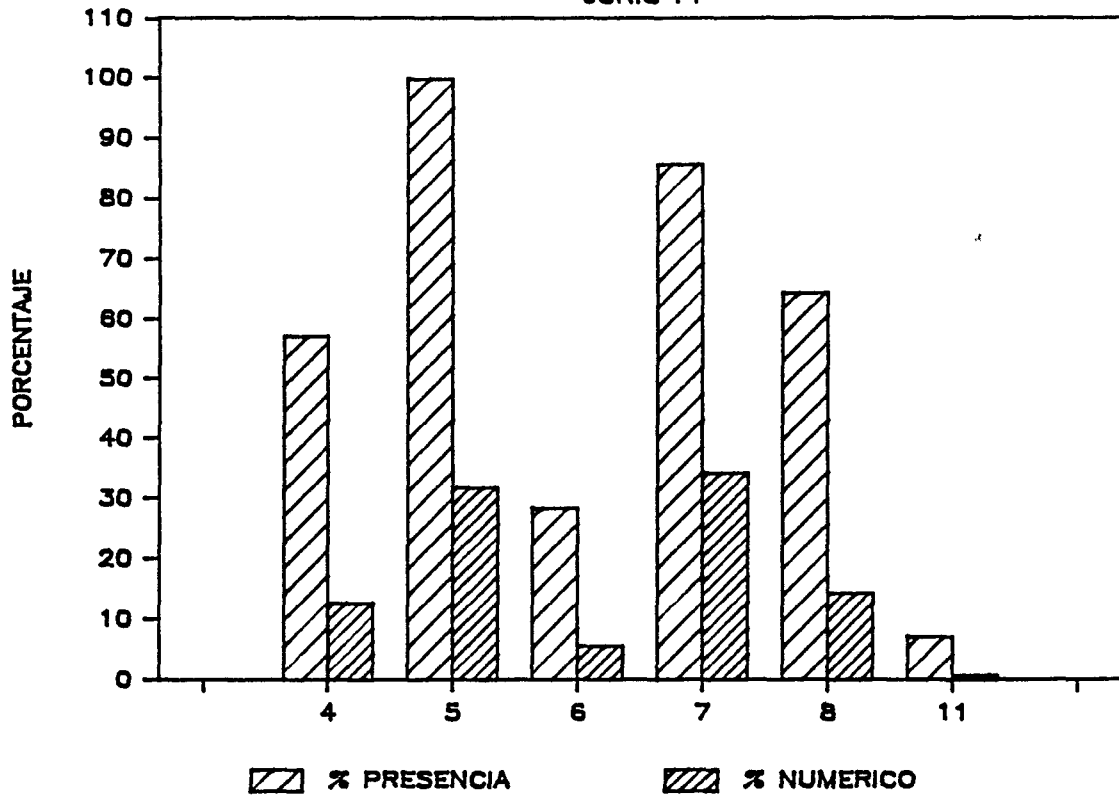
### E. asper (Larvas)

MAYO PI



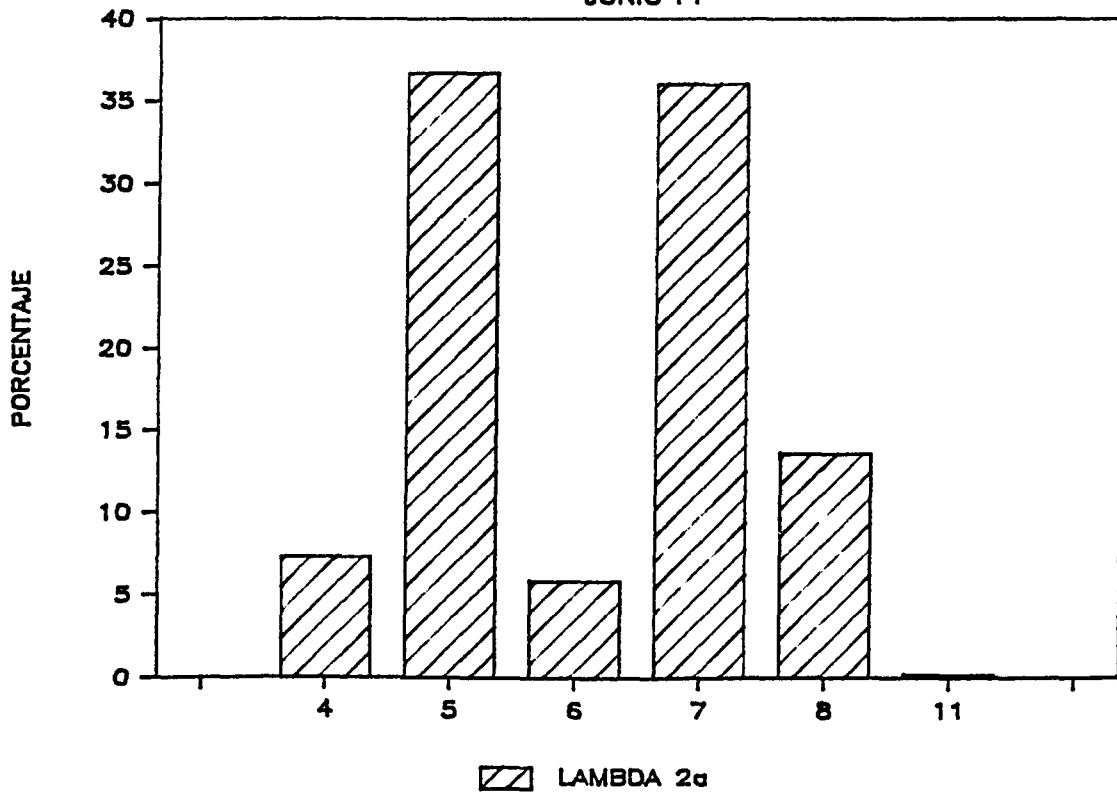
### E. asper (Larvas)

JUNIO PI



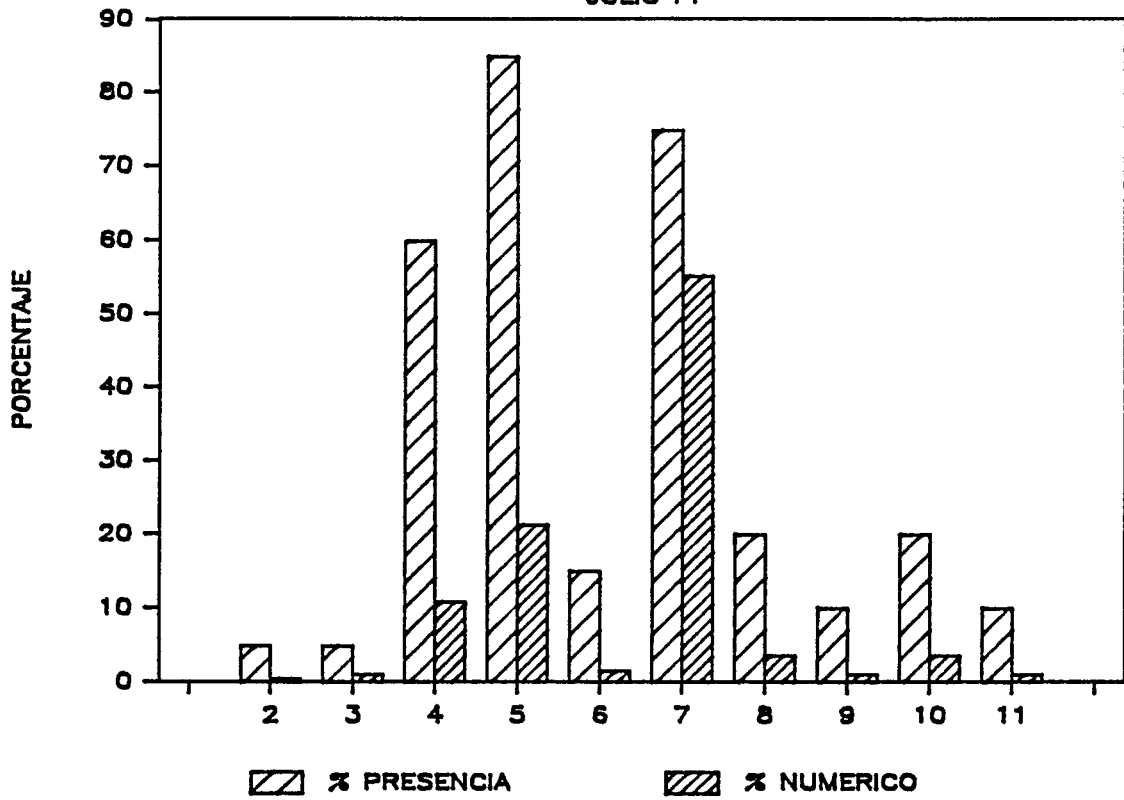
### E. asper (Larvas)

JUNIO PI



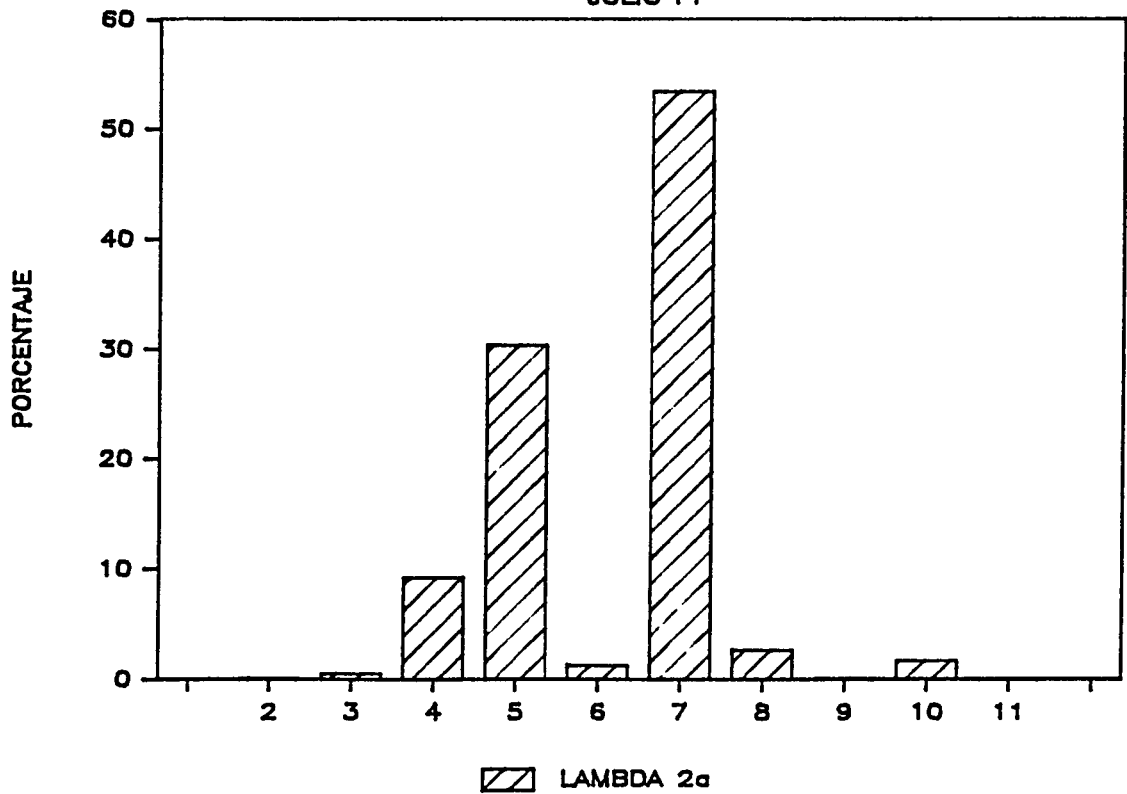
### E. asper (Larvas)

JULIO PI



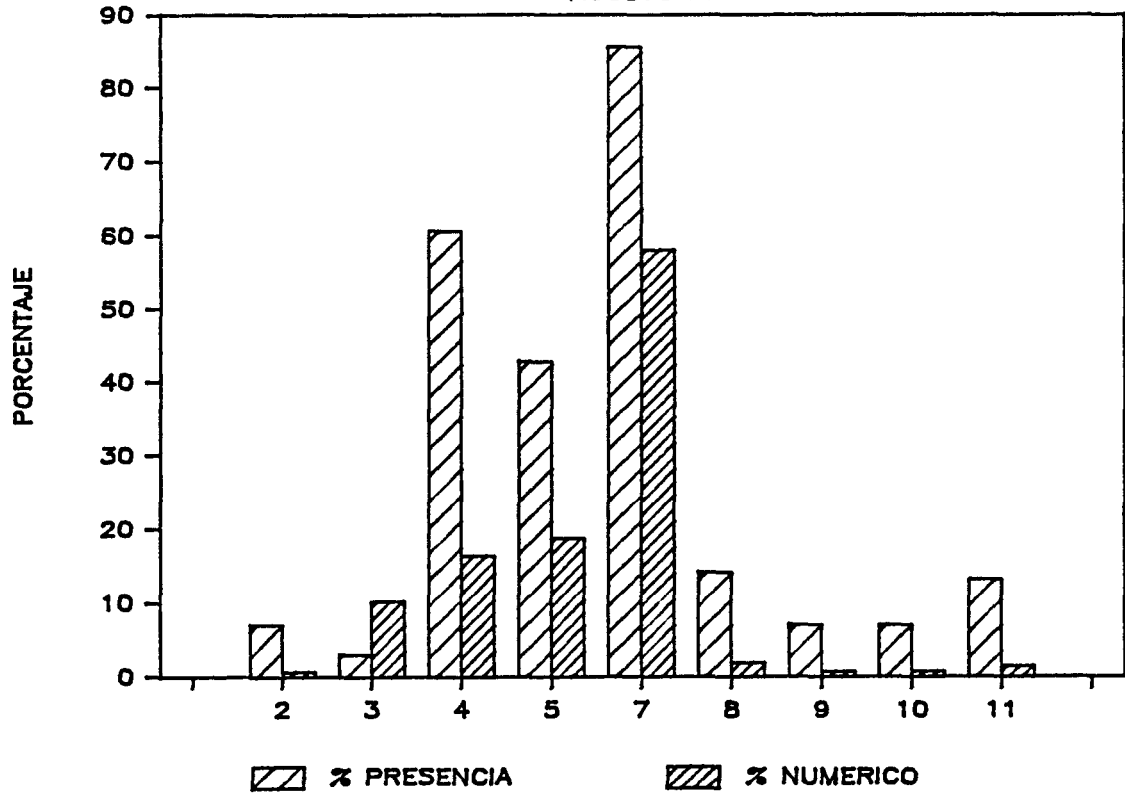
### E. asper (Larvas)

JULIO PI



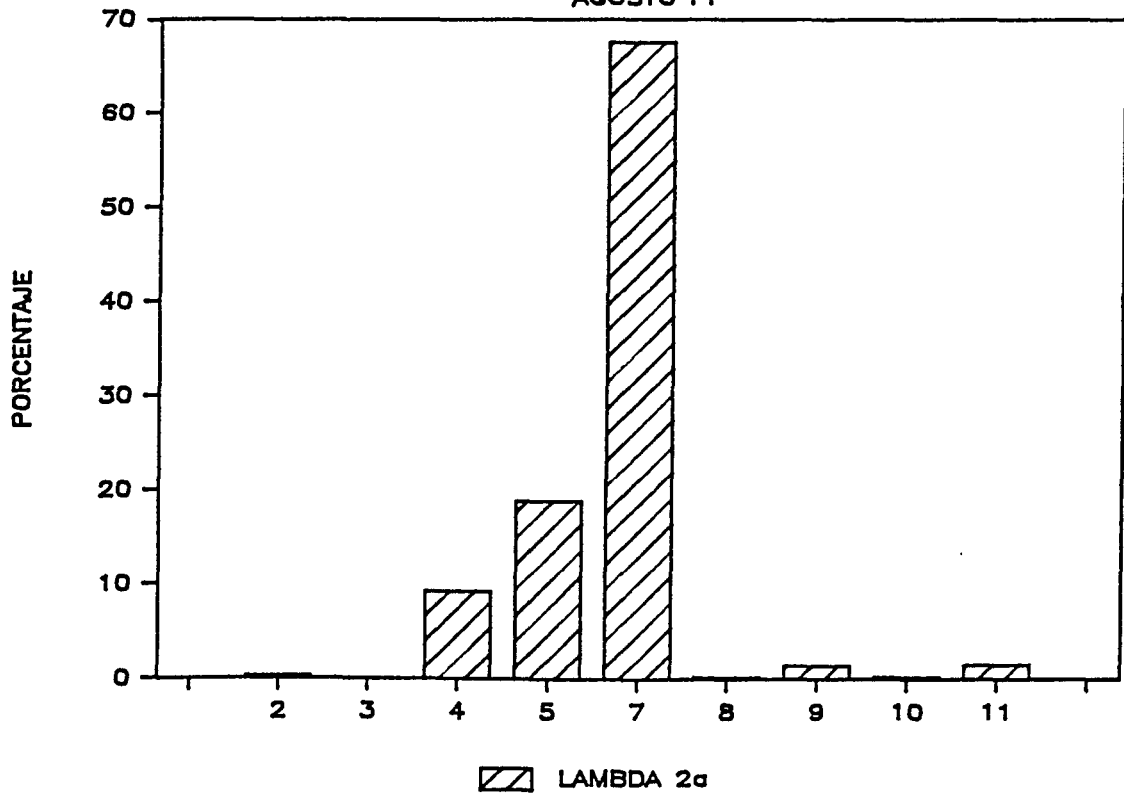
### E. asper (Larvas)

AGOSTO PI



### E. asper (Larvas)

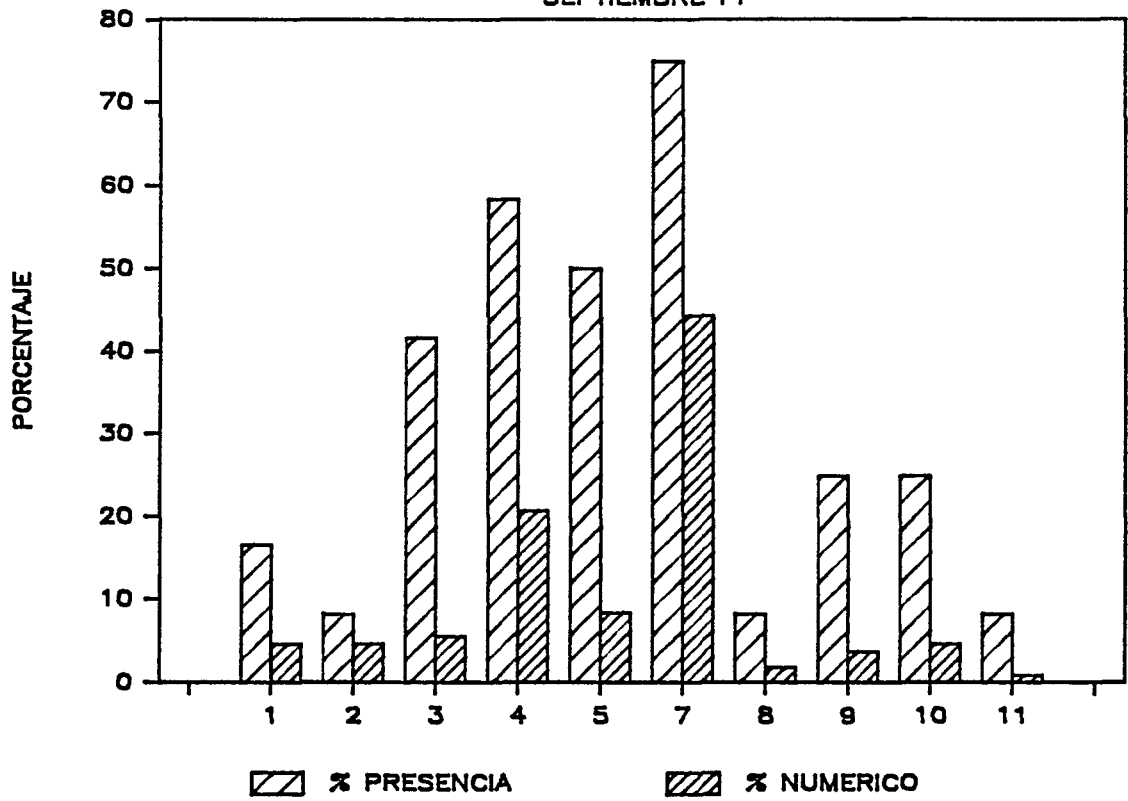
AGOSTO PI





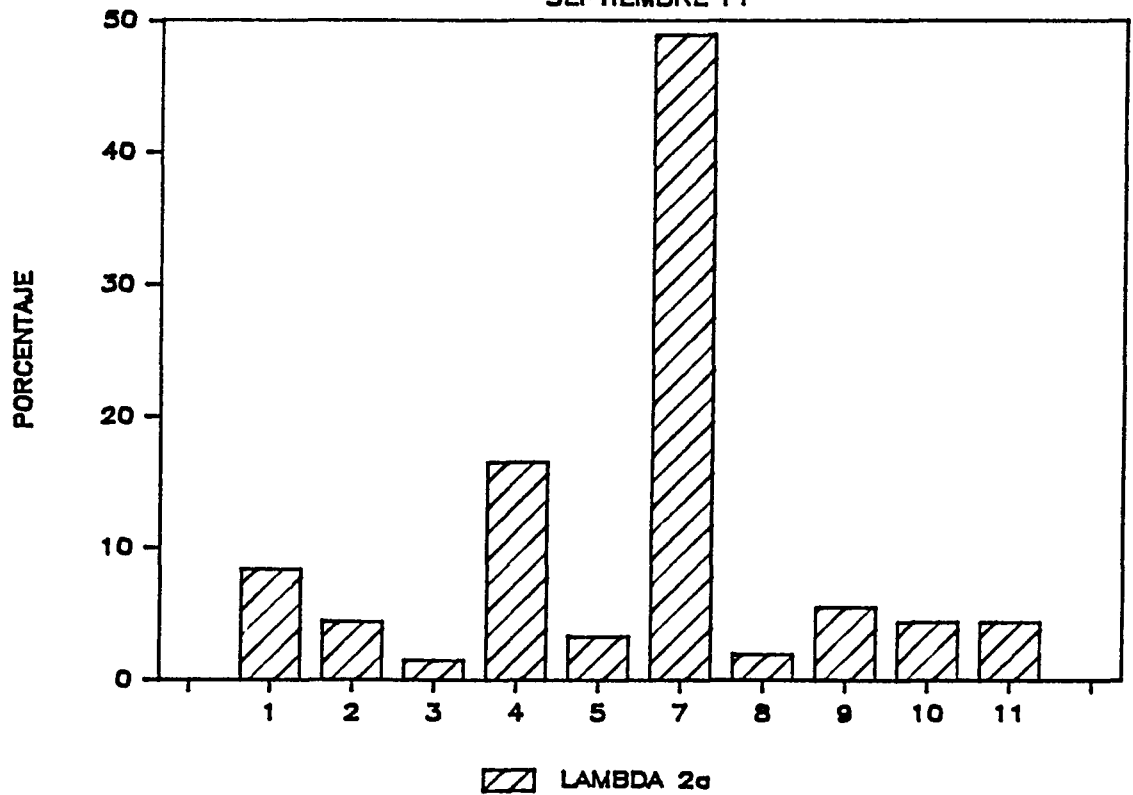
## E. asper (Larvas)

SEPTIEMBRE PI



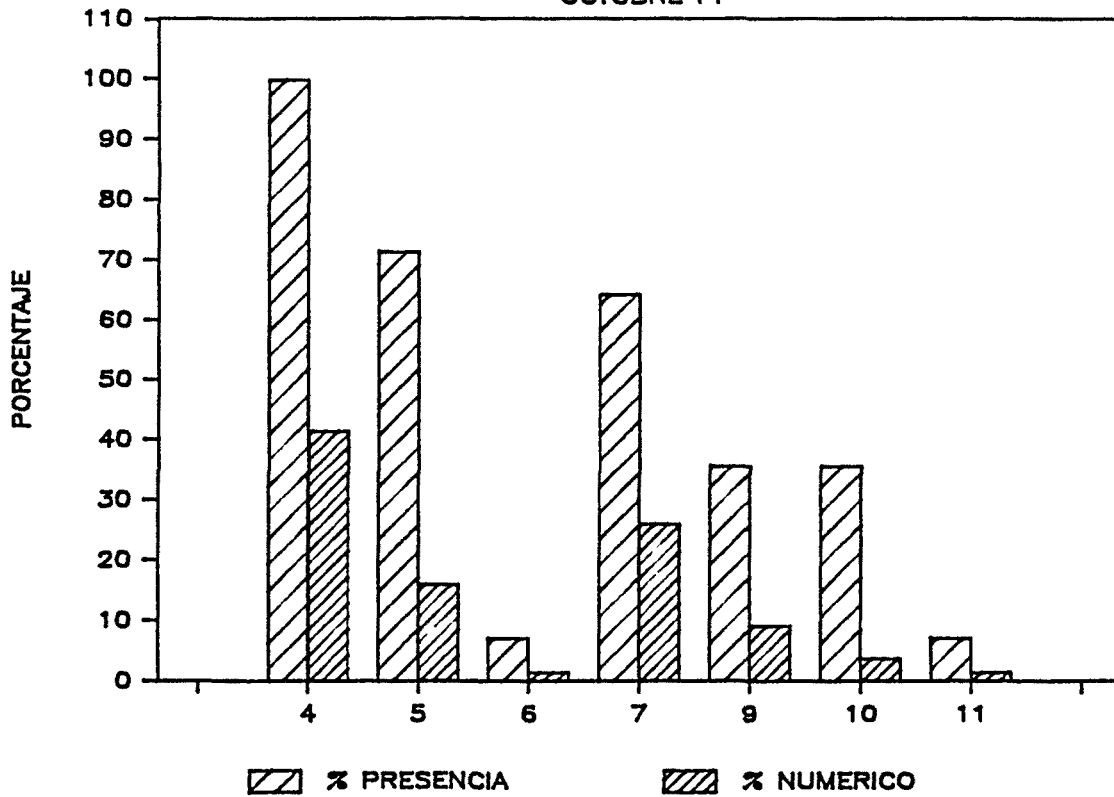
## E. asper (Larvas)

SEPTIEMBRE PI



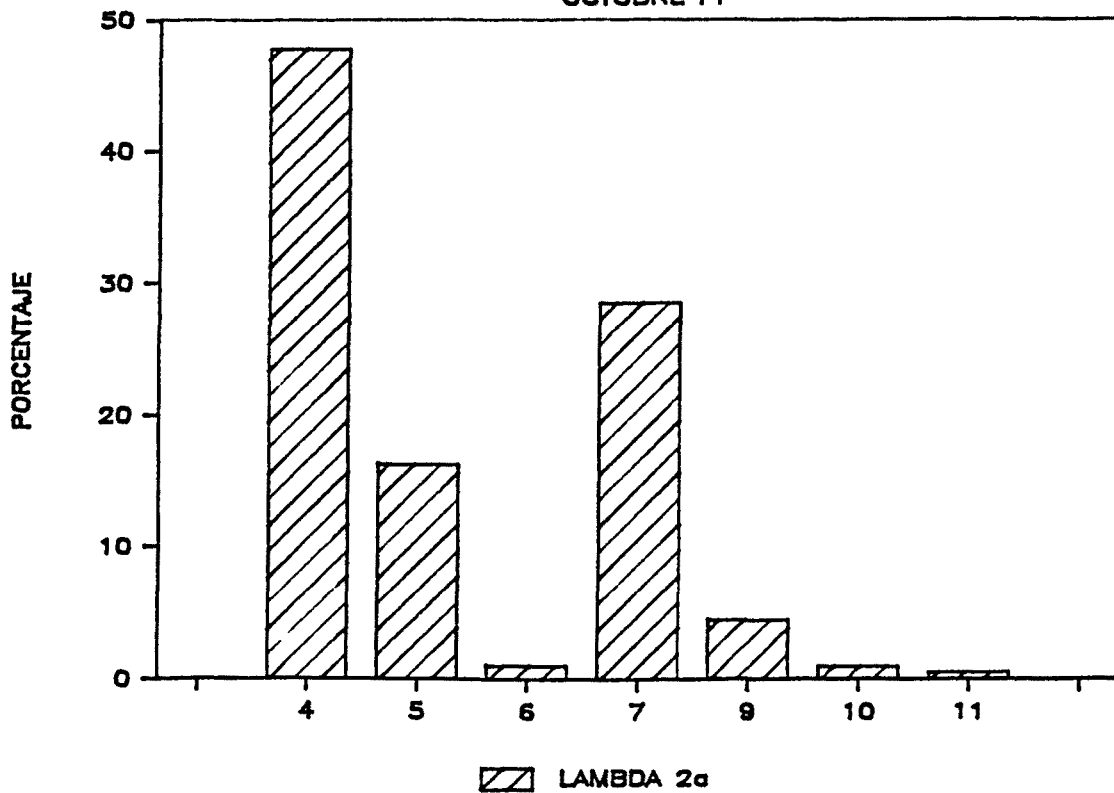
### E. asper (Larvas)

OCTUBRE PI



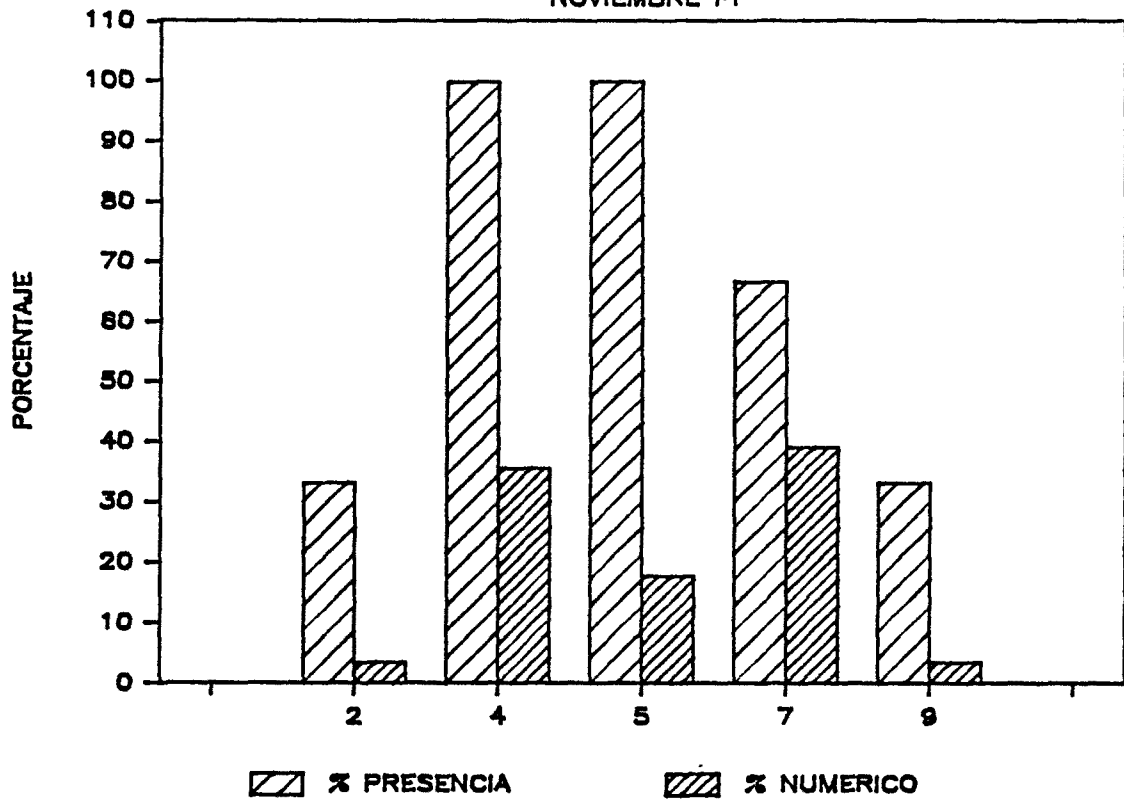
### E. asper (Larvas)

OCTUBRE PI



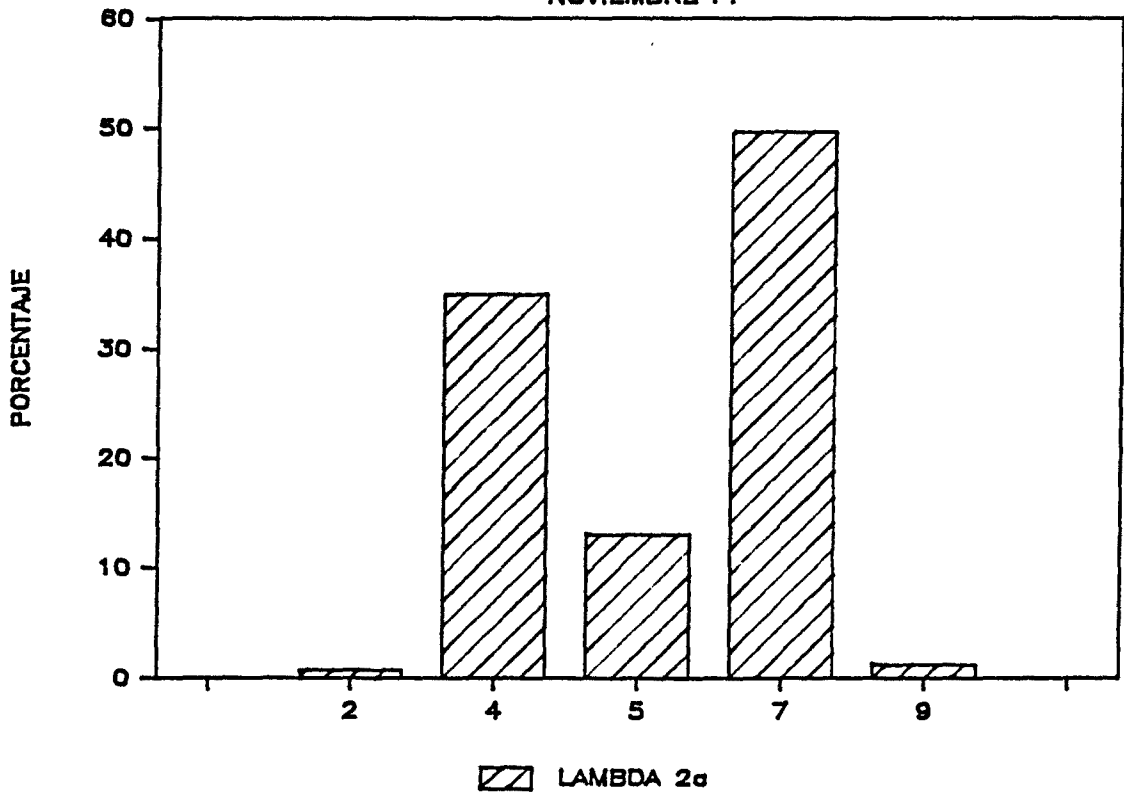
### E. asper (Larvas)

NOVIEMBRE PI



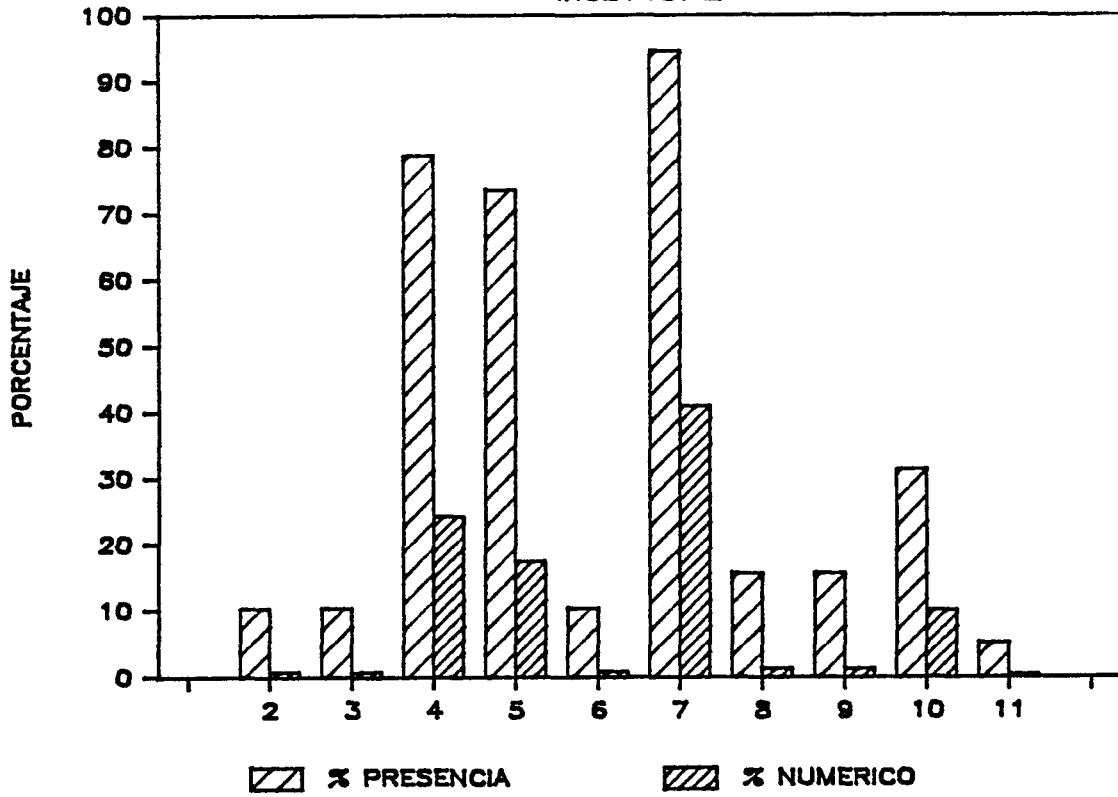
### E. asper (Larvas)

NOVIEMBRE PI



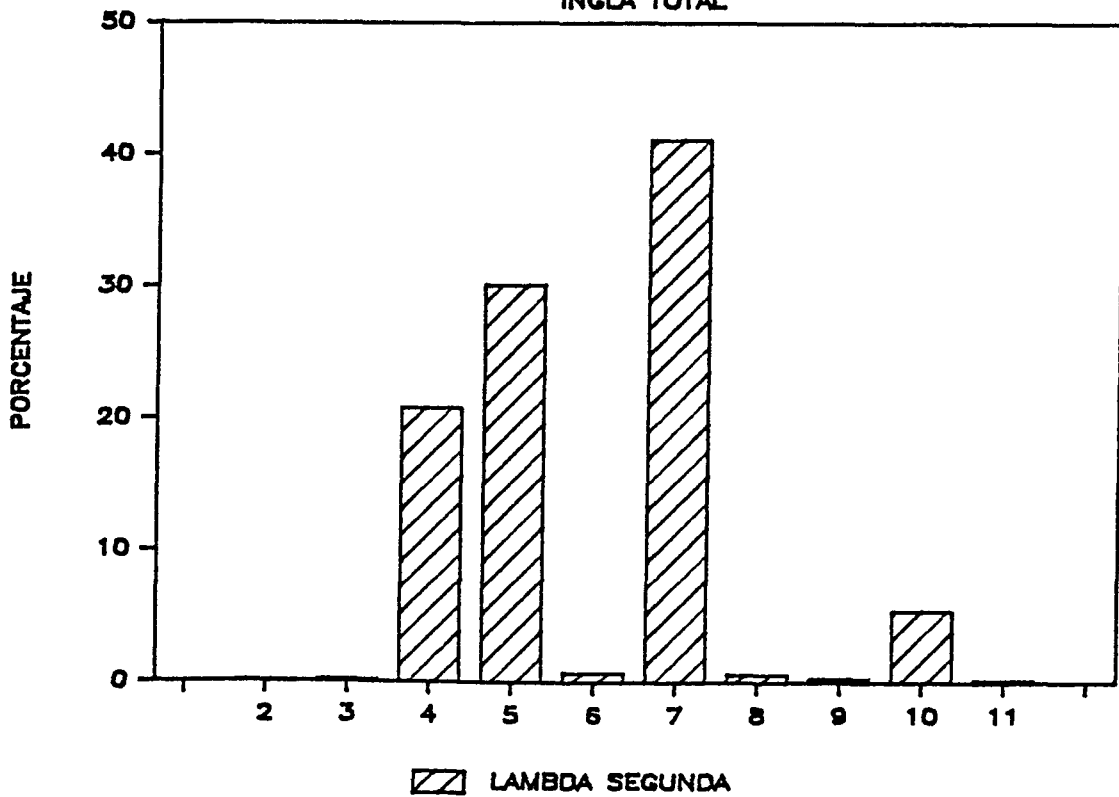
### E. asper (Larvas)

INGLA TOTAL



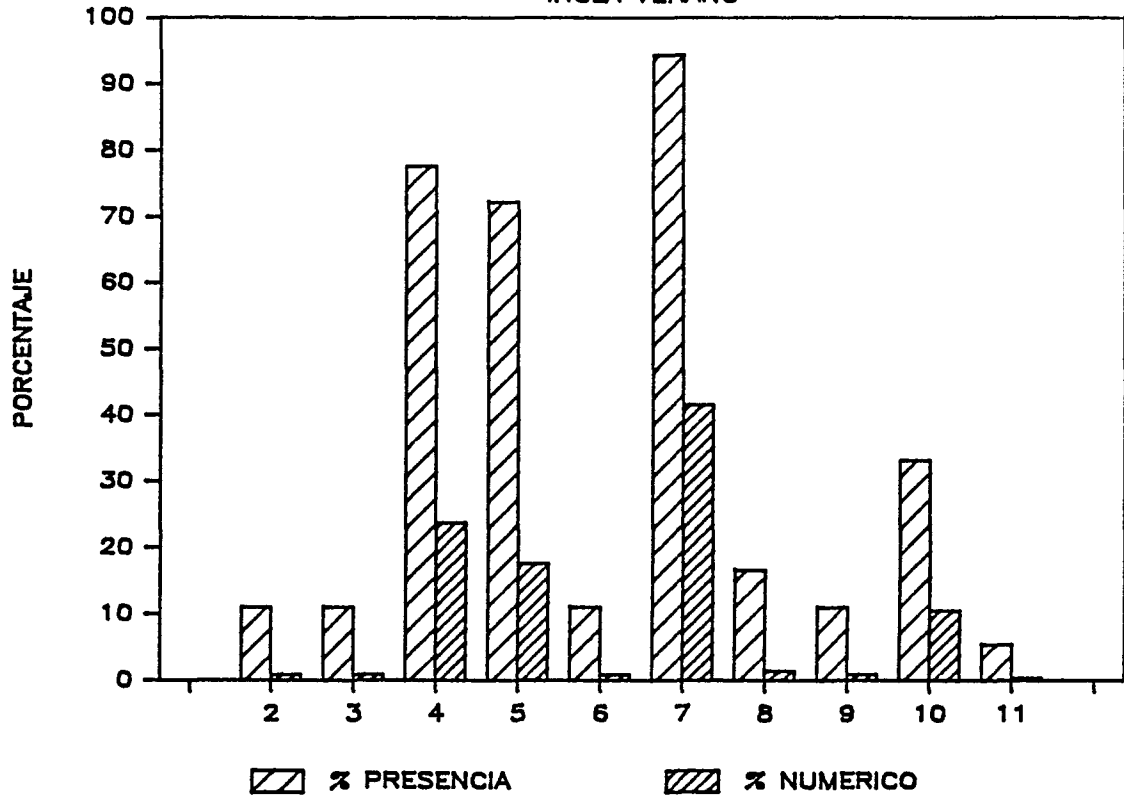
### E. asper (LARVAS)

INGLA TOTAL



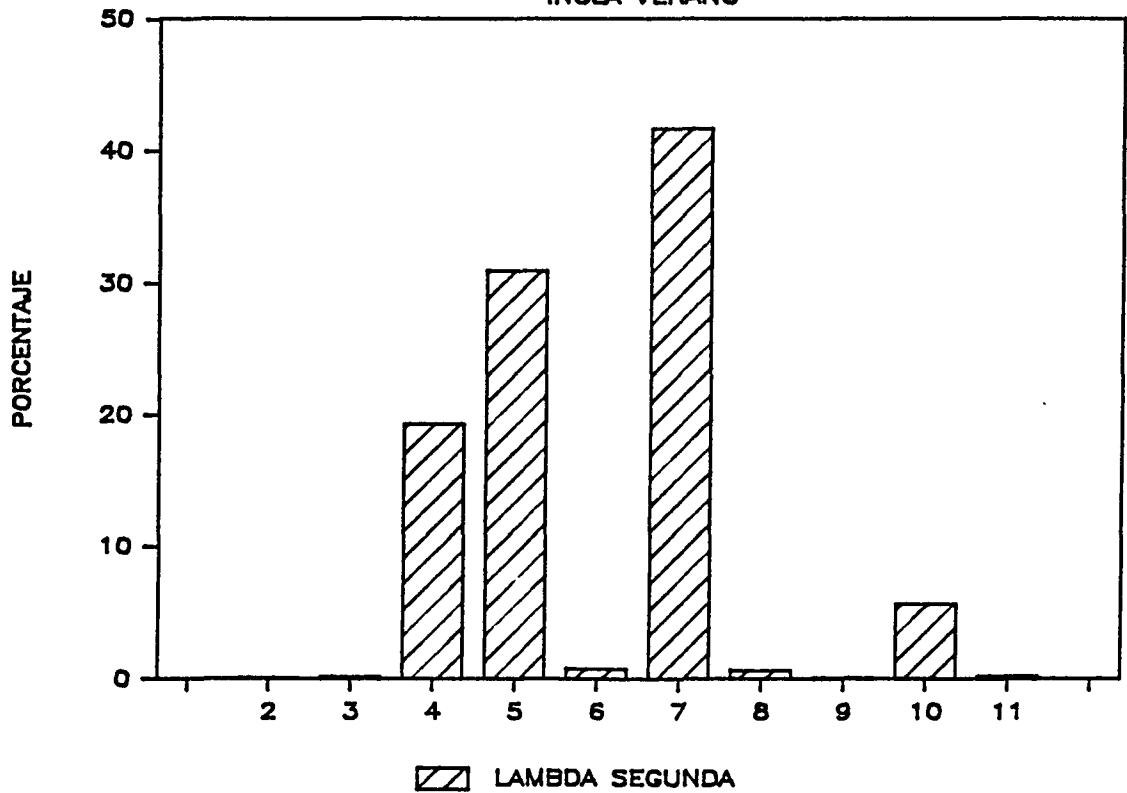
### E. asper (Larvas)

INGLA VERANO



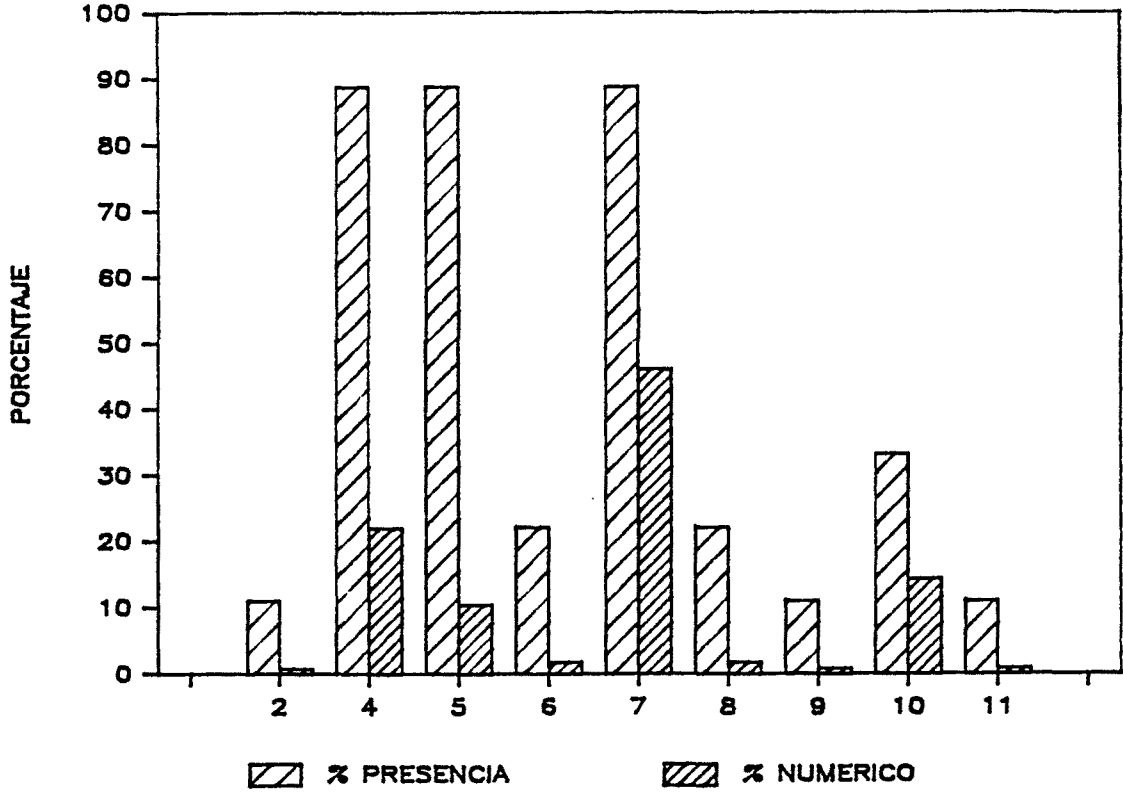
### E. asper (LARVAS)

INGLA VERANO



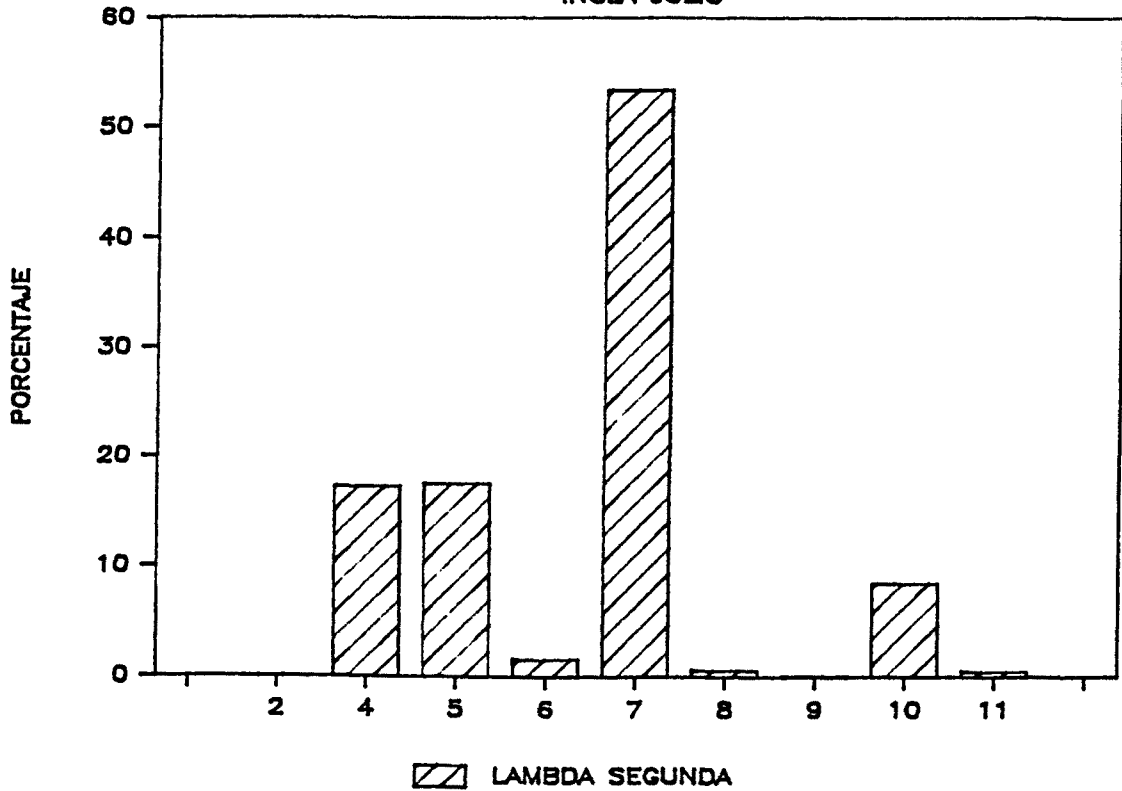
# E. asper (Larvas)

INGLA JULIO



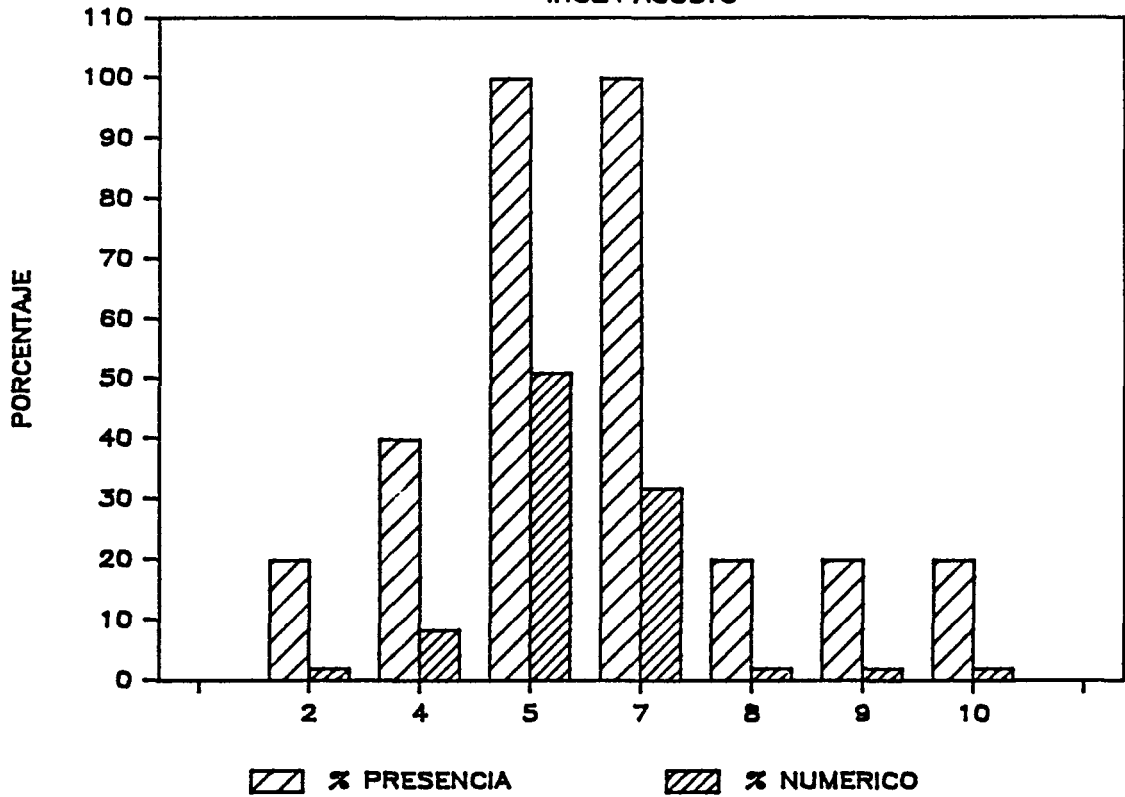
# E. asper (LARVAS)

INGLA JULIO



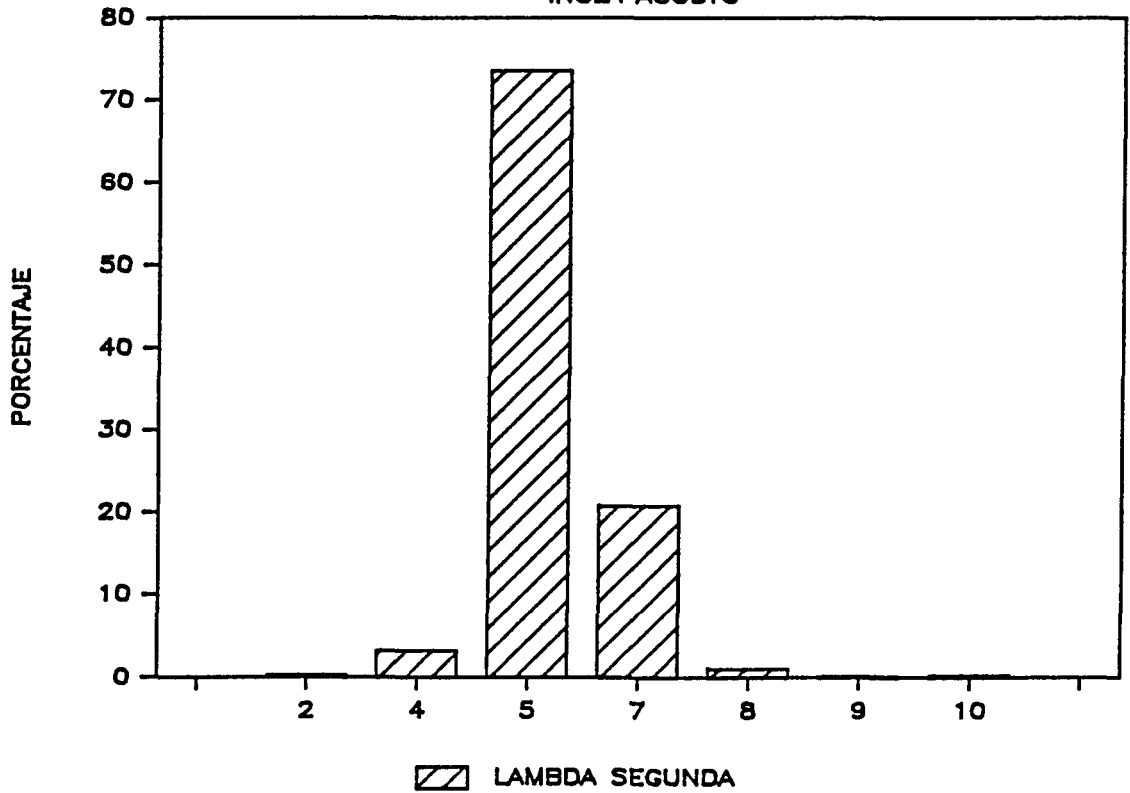
# E. asper (Larvas)

INGLA AGOSTO



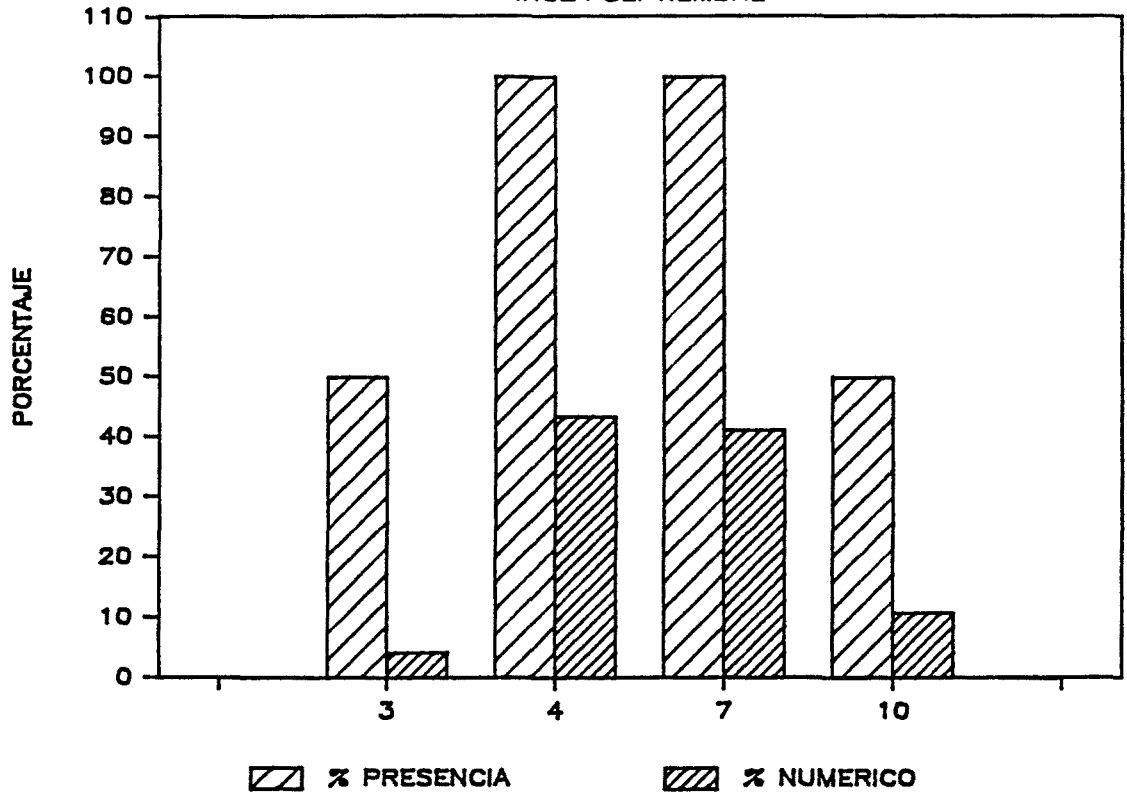
# E. asper (LARVAS)

INGLA AGOSTO



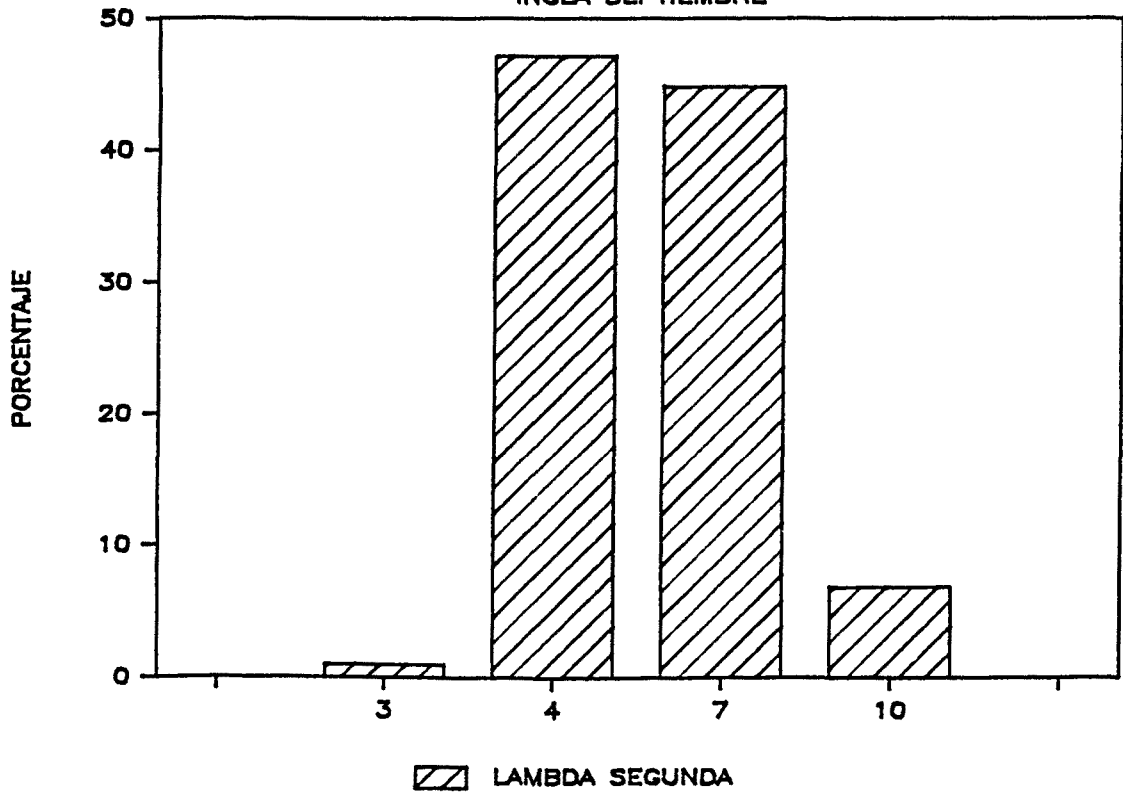
# E. asper (Larvas)

INGLA SEPTIEMBRE



# E. asper (LARVAS)

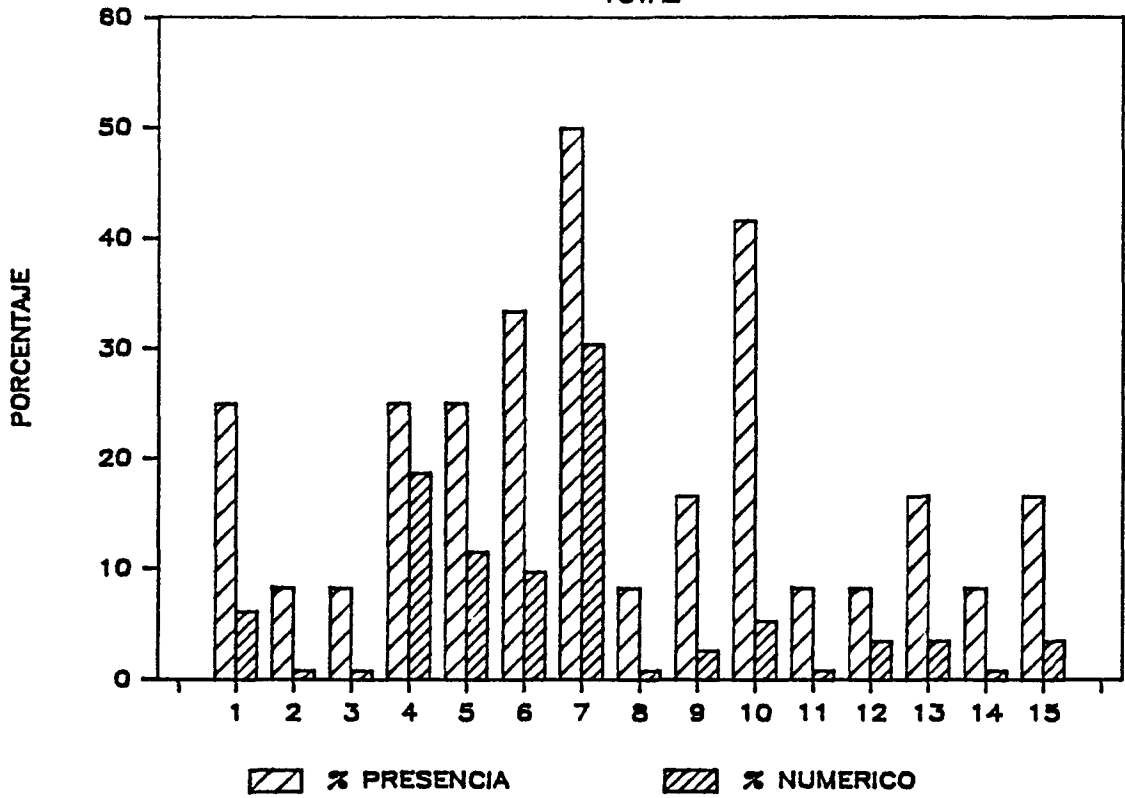
INGLA SEPTIEMBRE





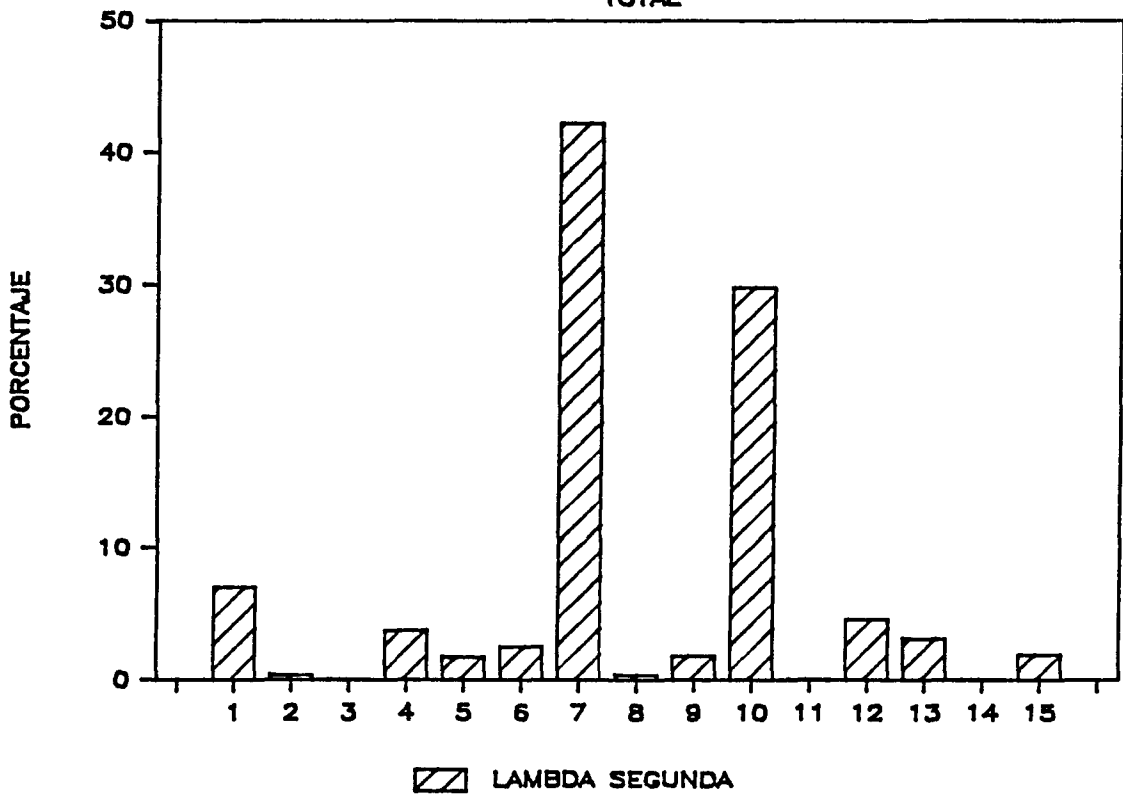
### E. asper (RM)

TOTAL



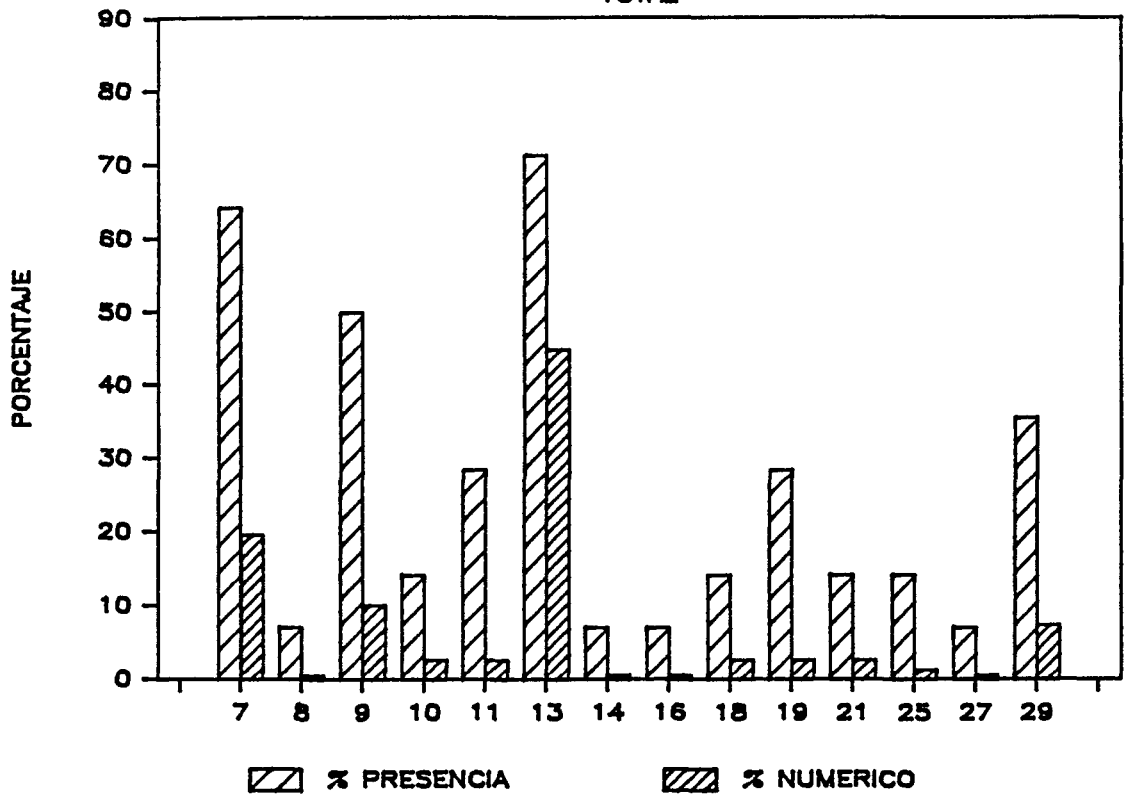
### E. asper (RM)

TOTAL



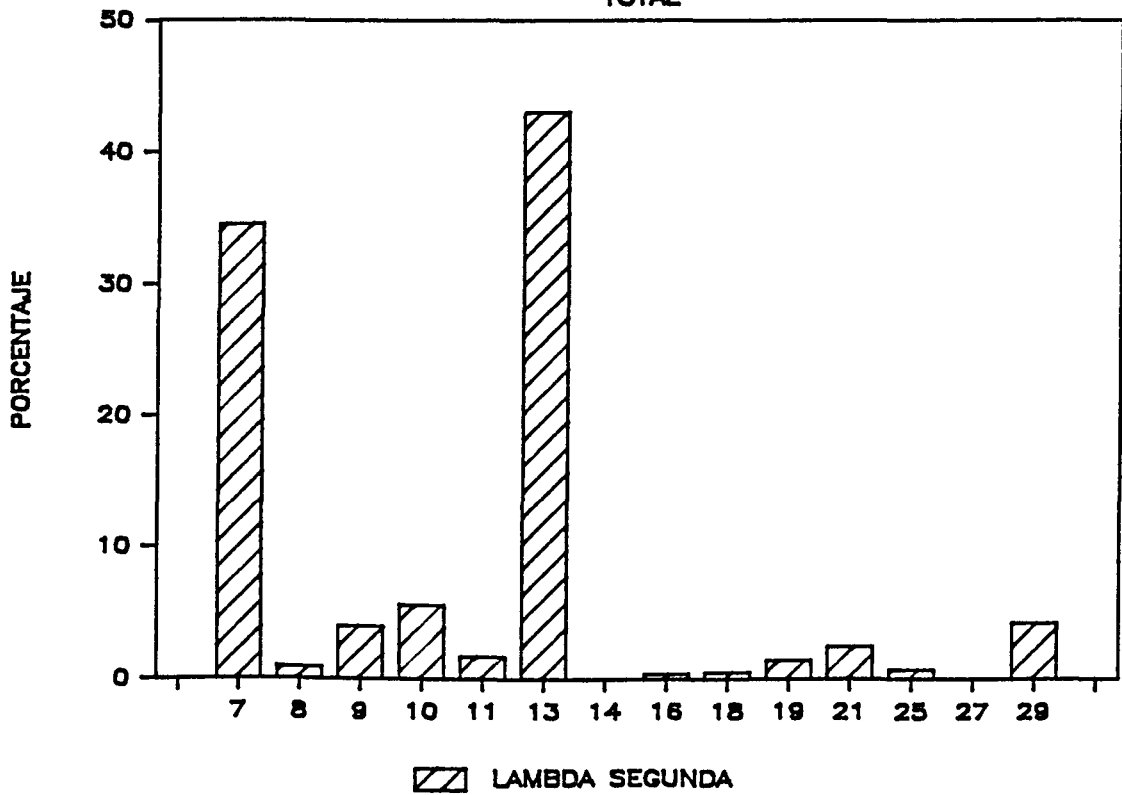
### E. asper (SA)

TOTAL



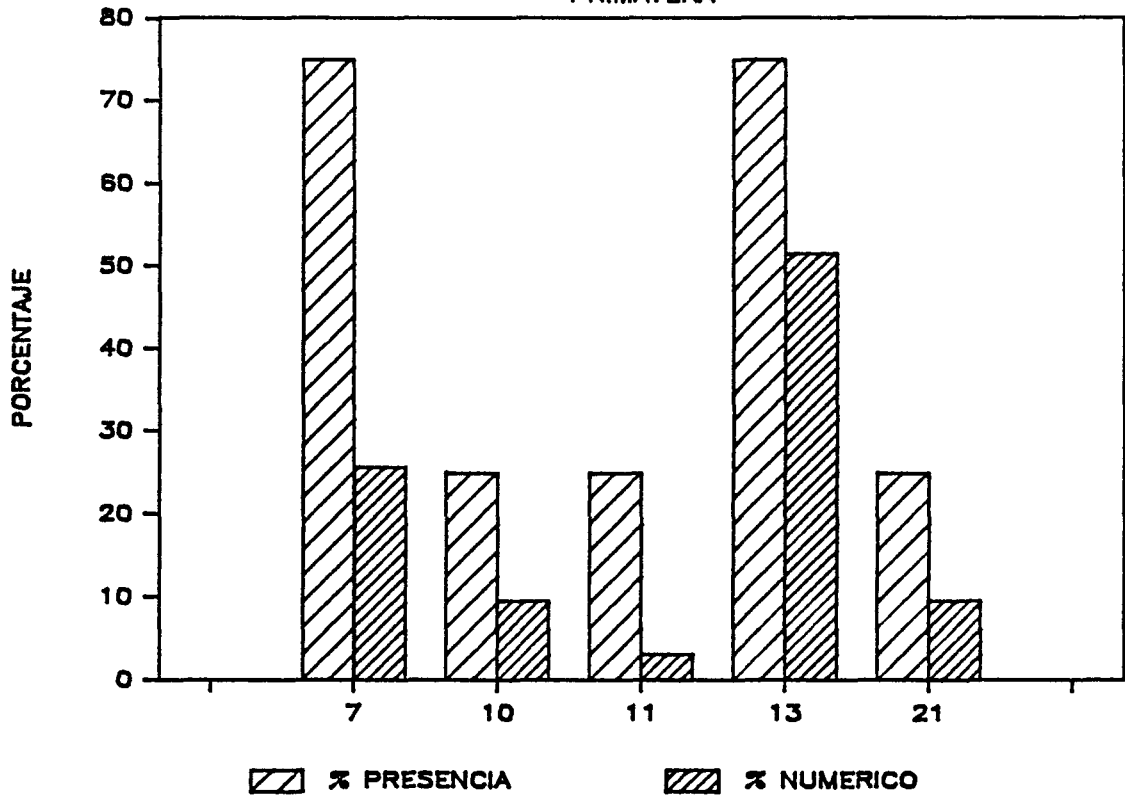
### E. asper (SA)

TOTAL



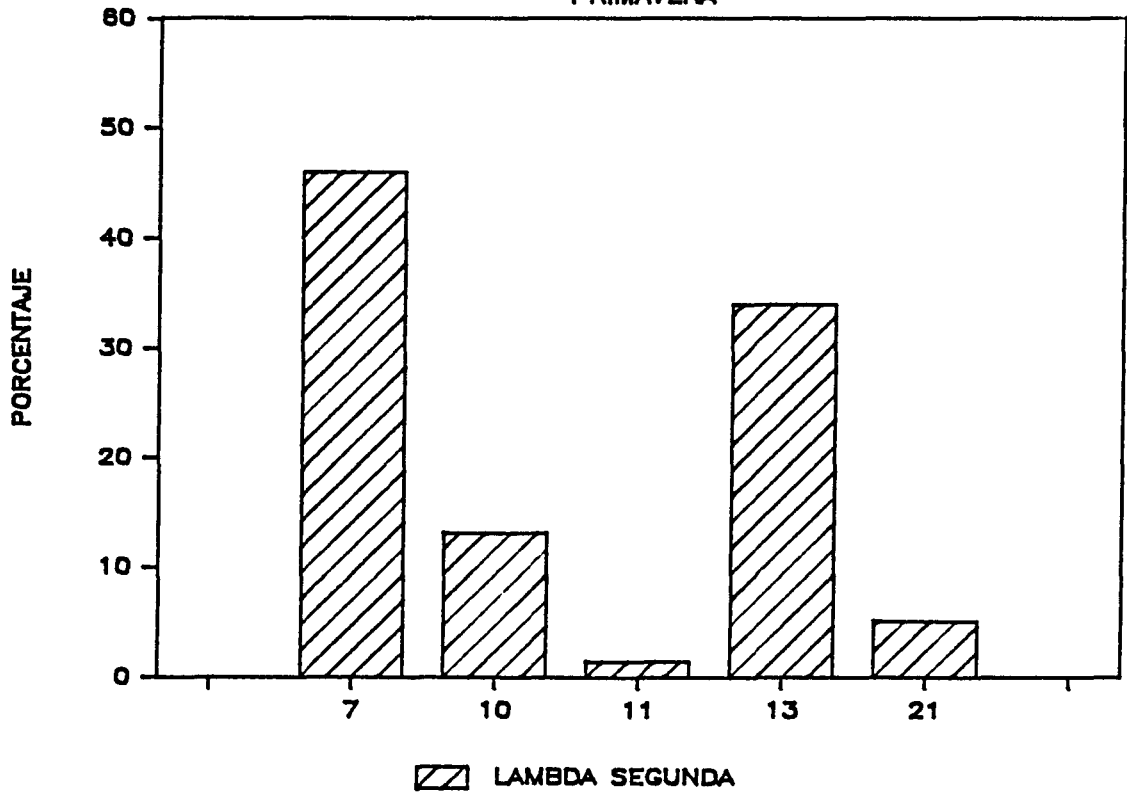
### E. asper (SA)

PRIMAVERA



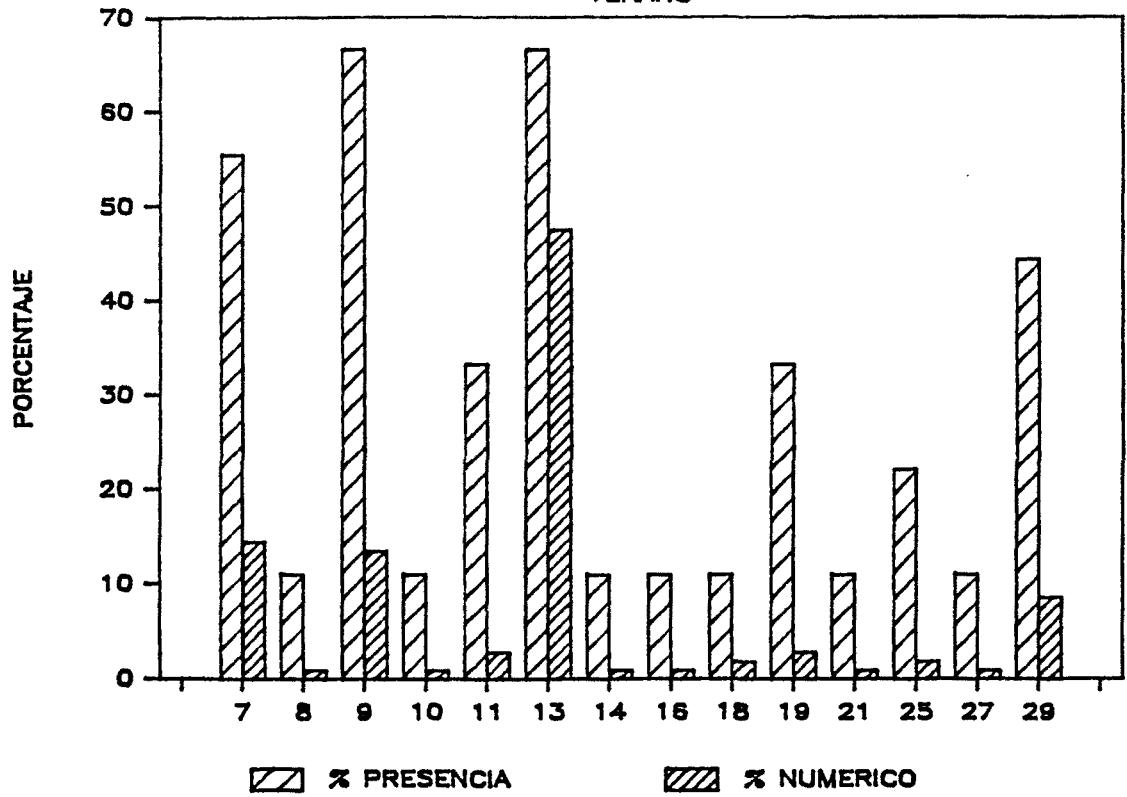
### E. asper (SA)

PRIMAVERA



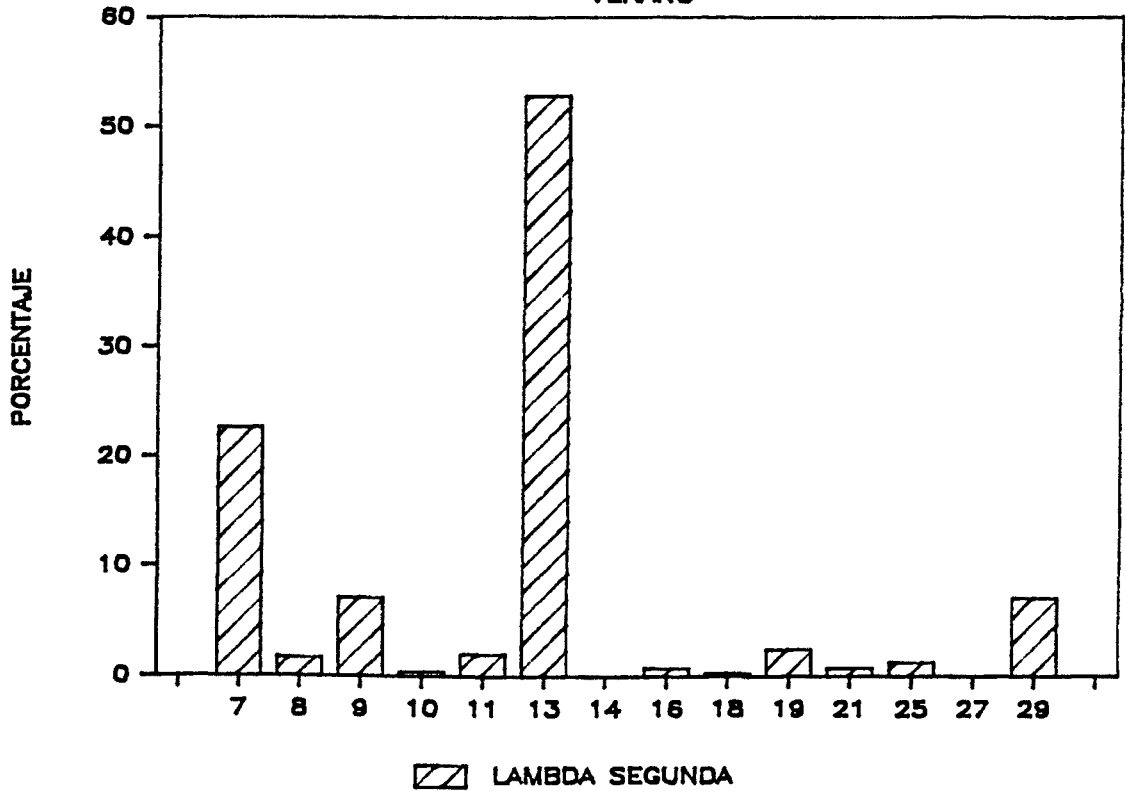
### E. asper (SA)

VERANO



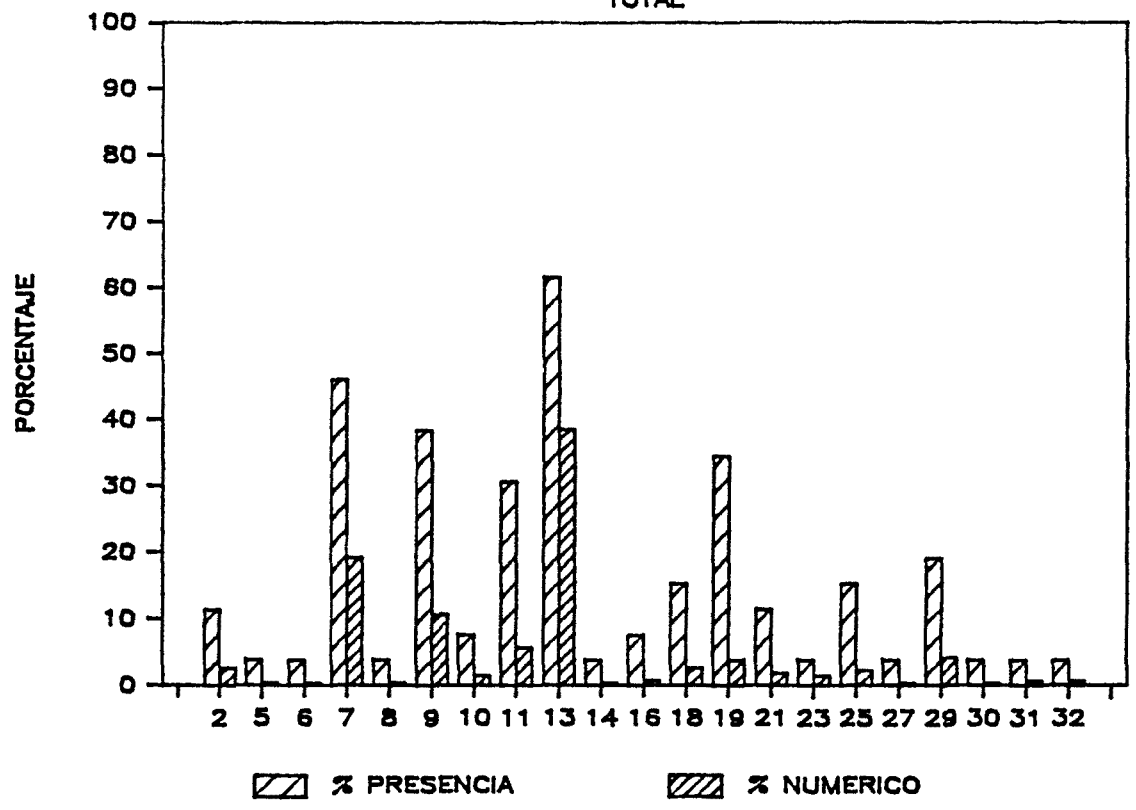
### E. asper (SA)

VERANO



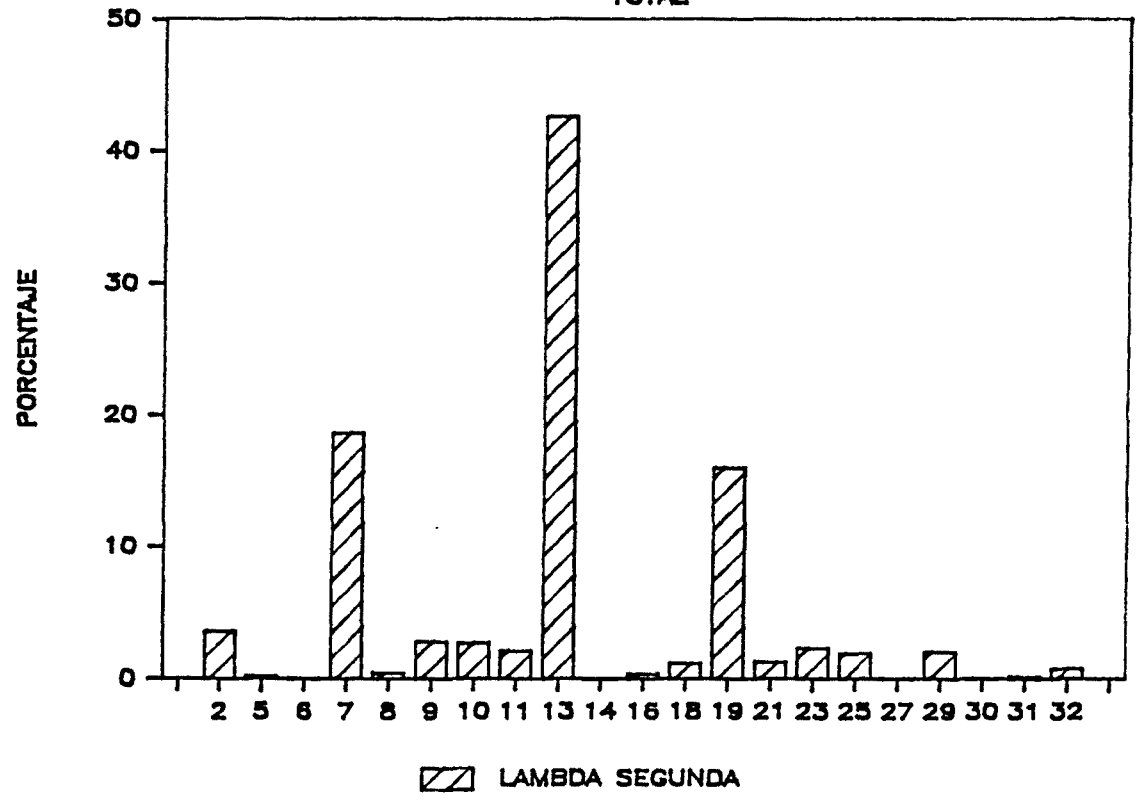
### E. asper (RM+SA)

TOTAL



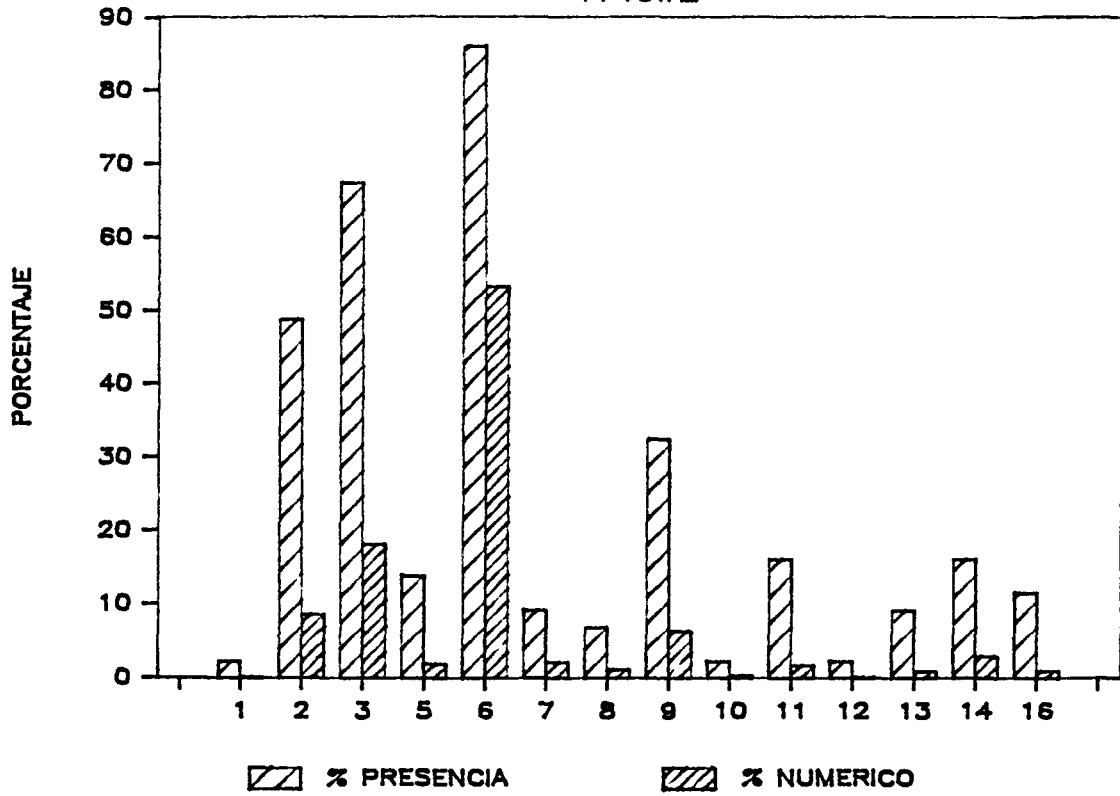
### E. asper (RM+SA)

TOTAL



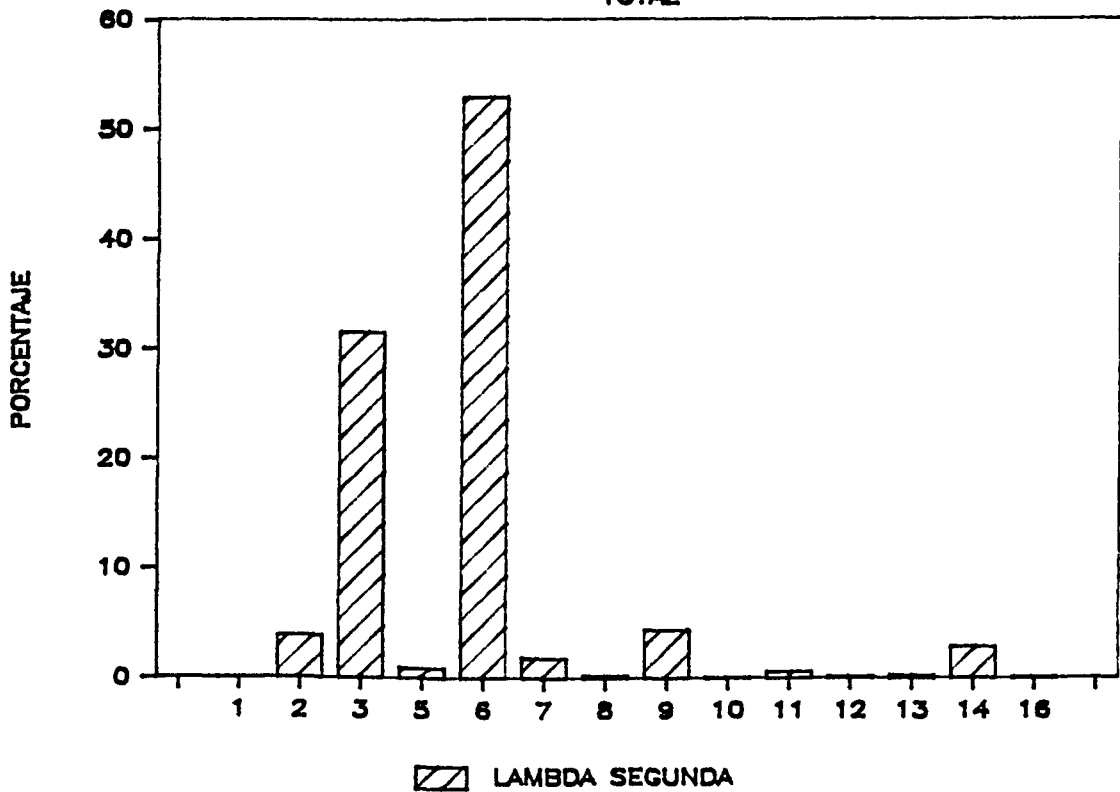
### S. salamandra (LARVAS)

PI TOTAL



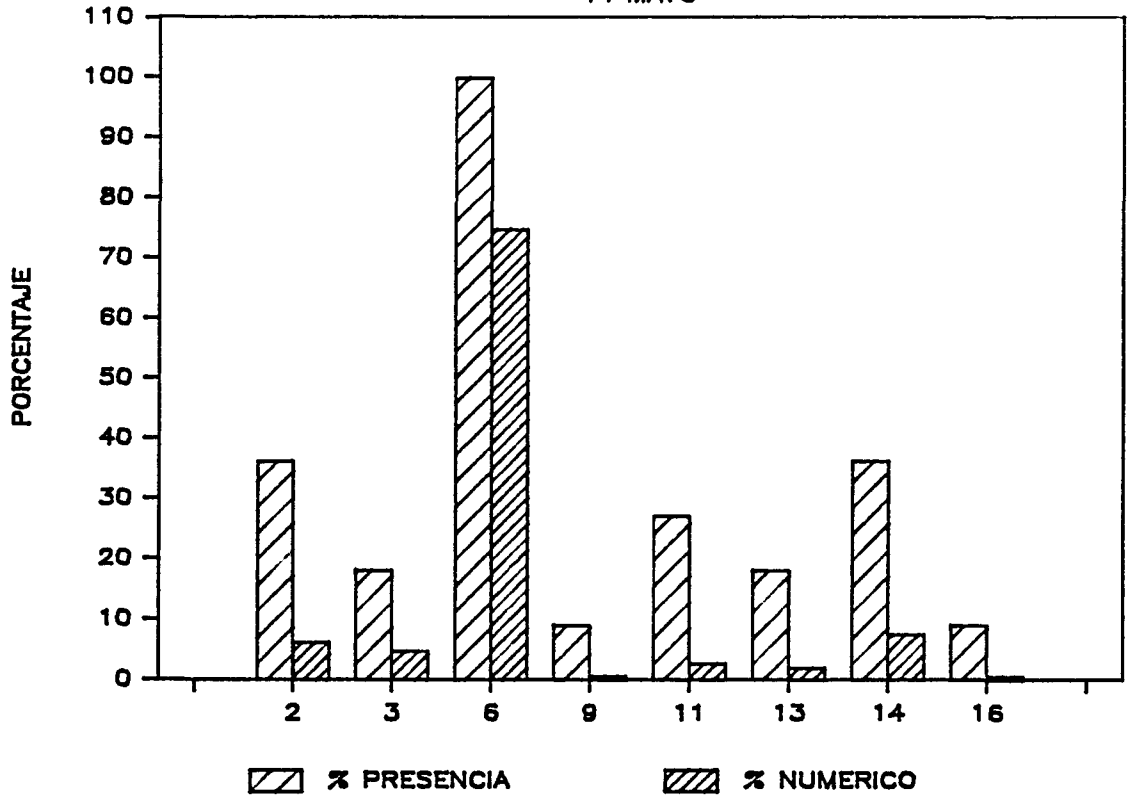
### S. salamandra (LARVAS)

TOTAL



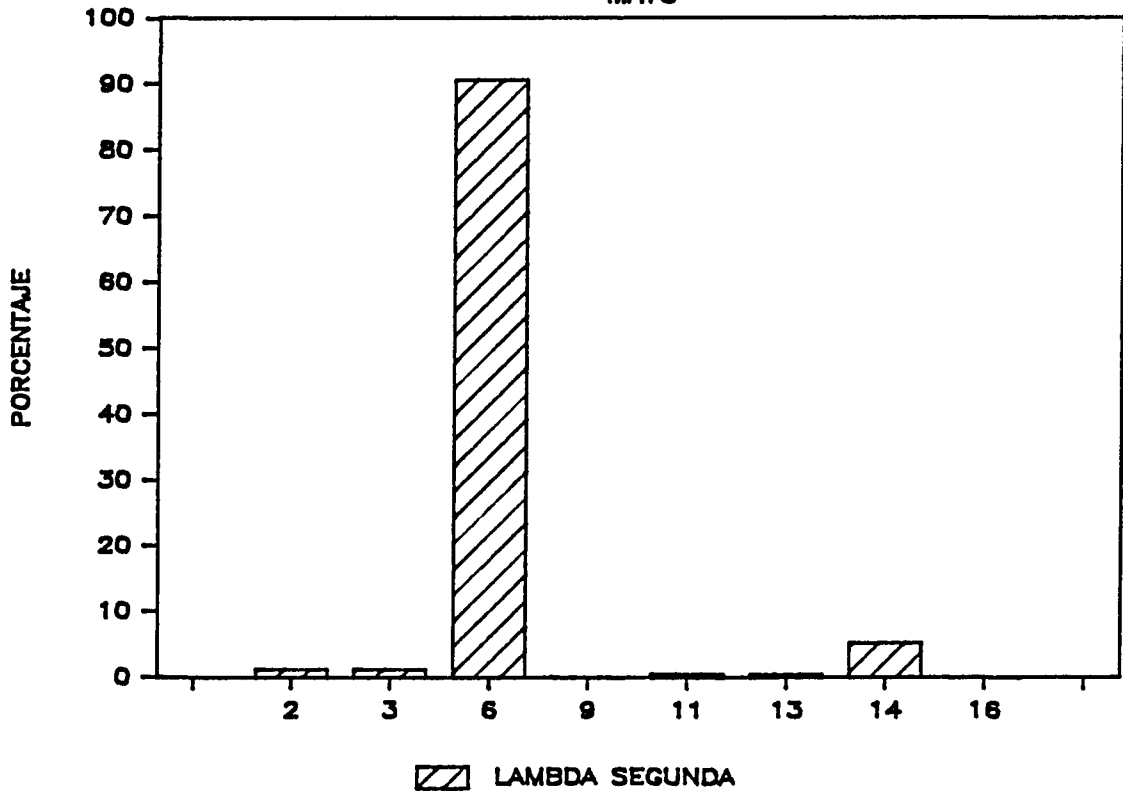
## S. salamandra (LARVAS)

PI MAYO



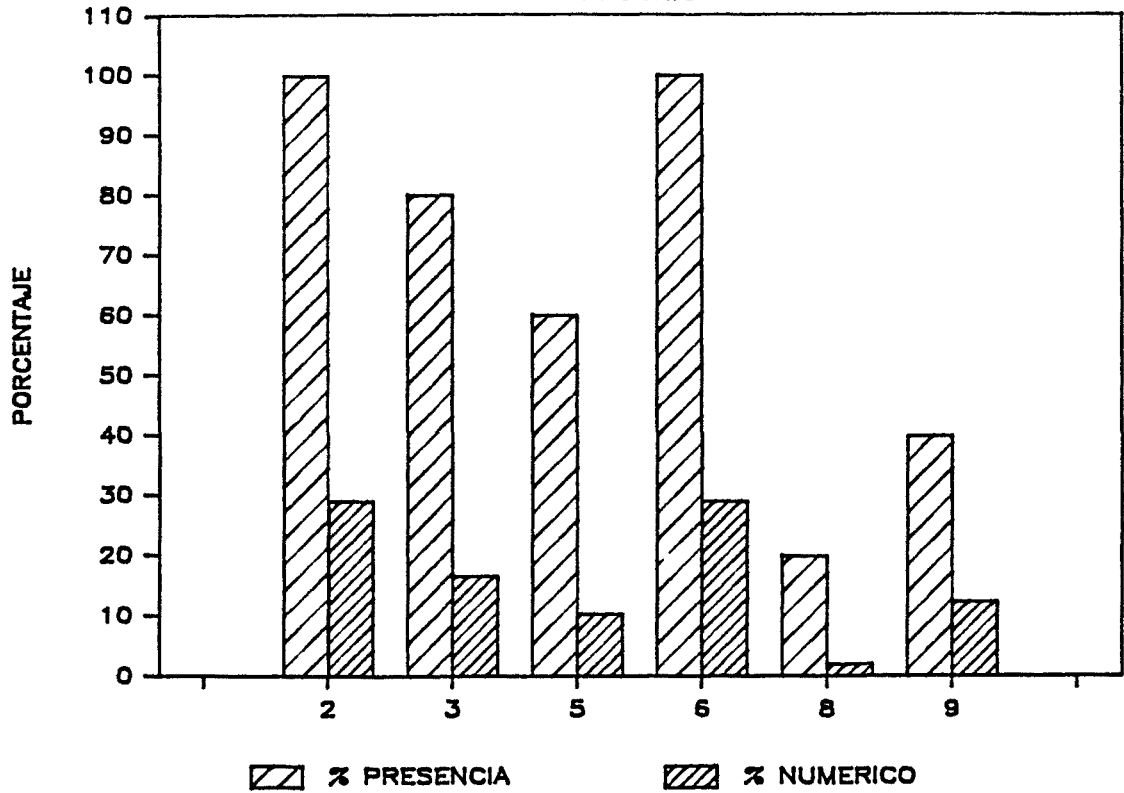
## S. salamandra (LARVAS)

MAYO



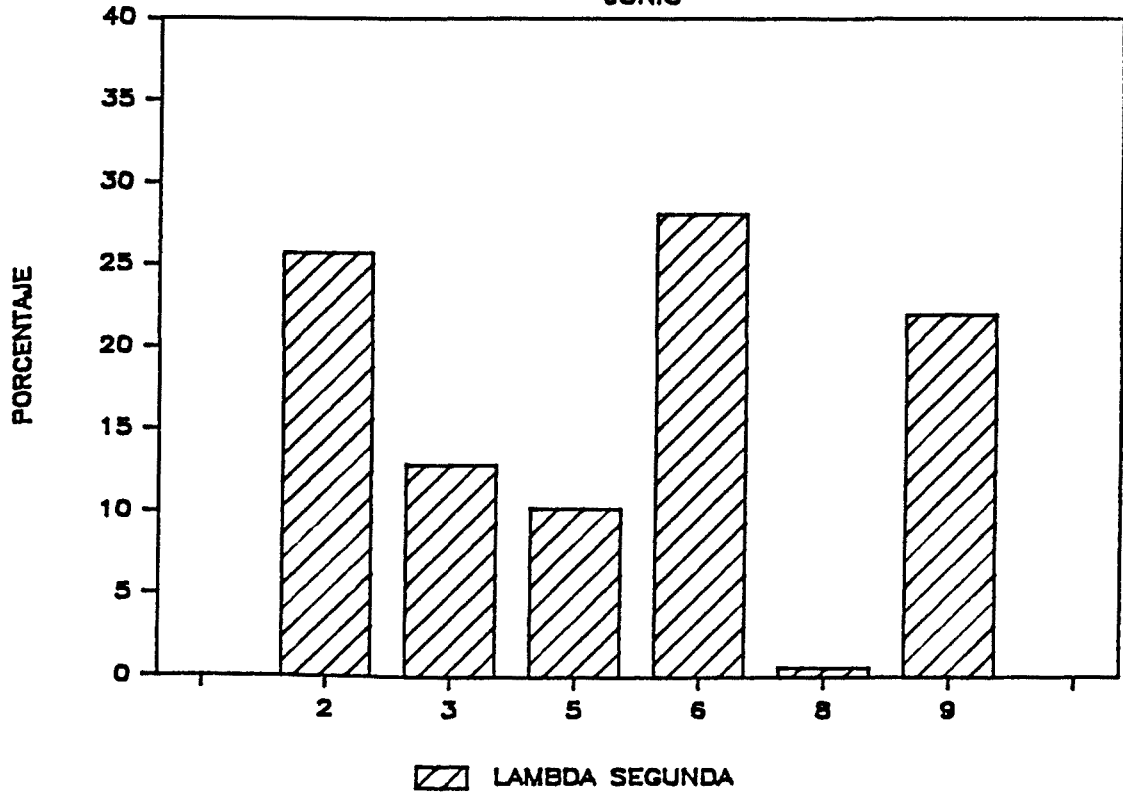
### S. salamandra (LARVAS)

PI JUNIO



### S. salamandra (LARVAS)

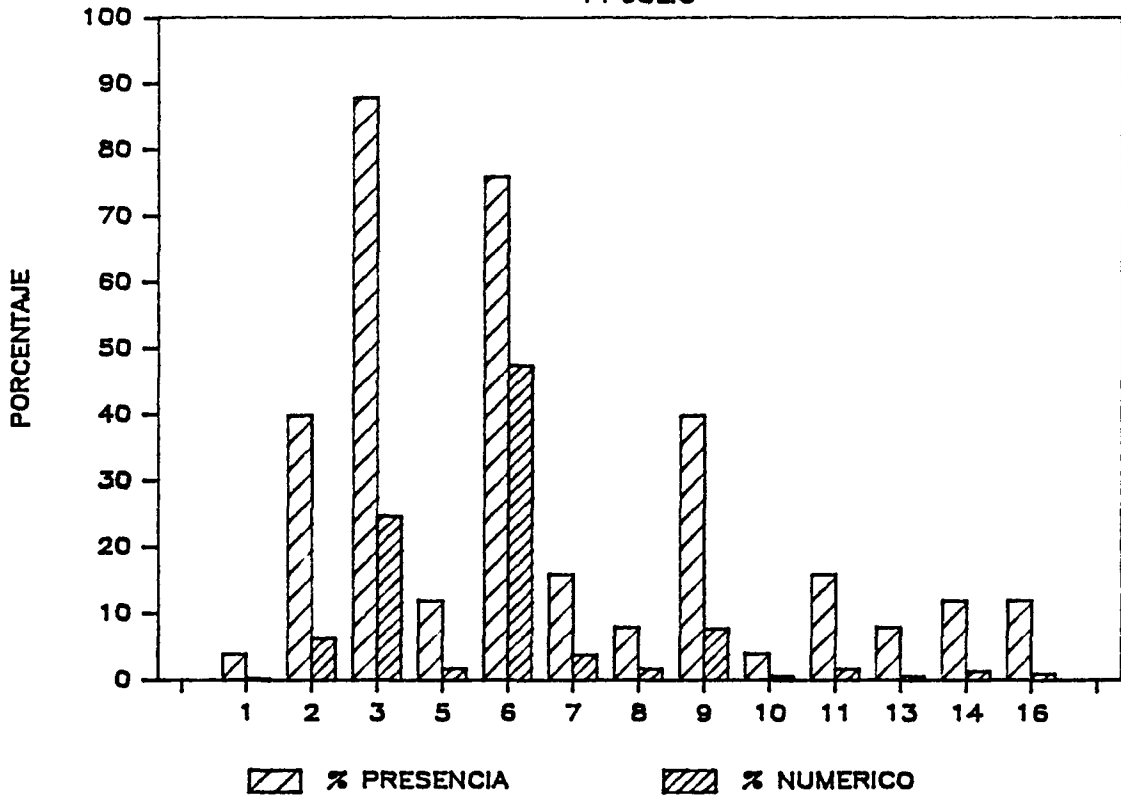
JUNIO





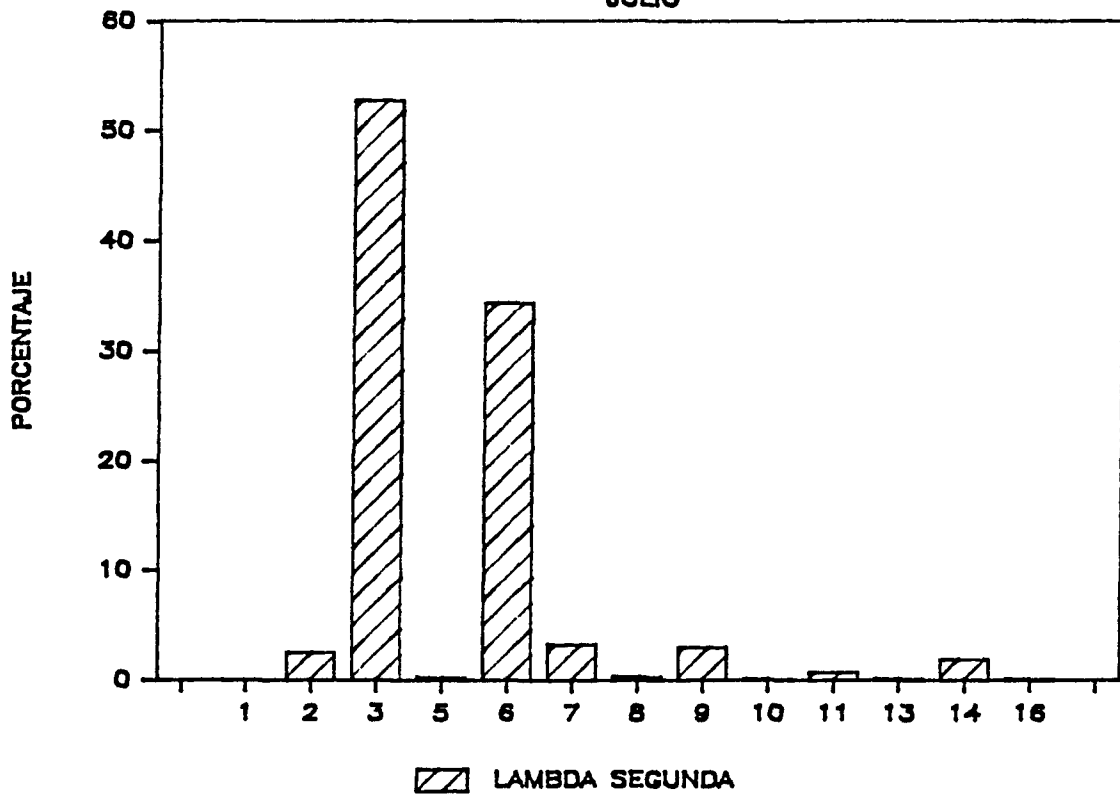
### S. salamandra (LARVAS)

PI JULIO



### S. salamandra (LARVAS)

JULIO





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