

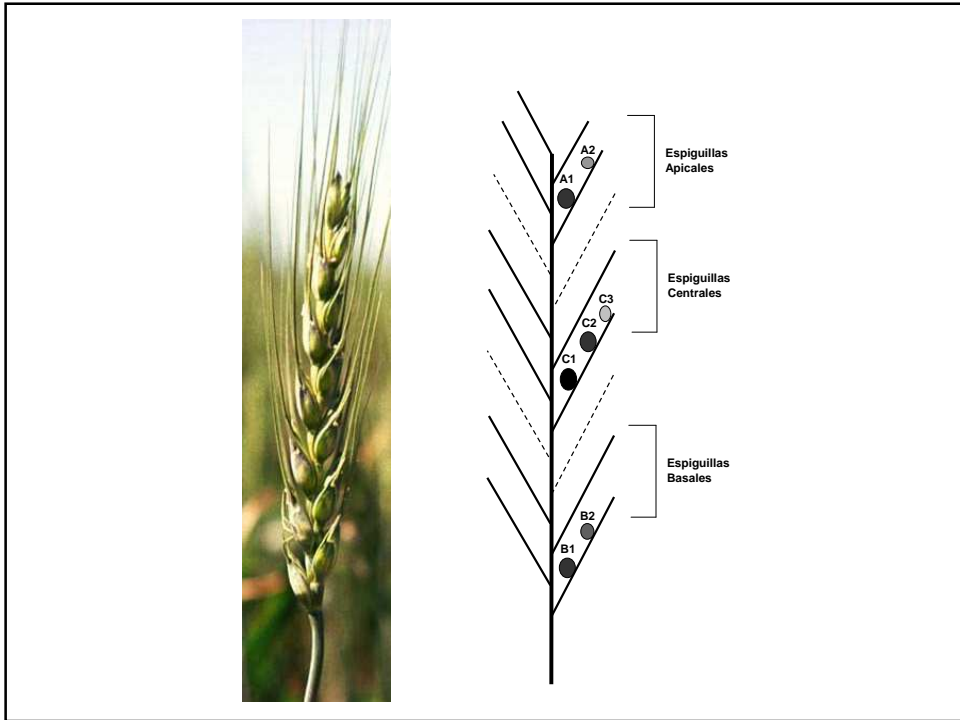

**Red 110RT0394**      **METRICE**  
*Mejorar la eficiencia en el uso de insumos y el ajuste fenológico en cultivos de trigo y cebada*  
 Universidad Autónoma del Estado de México



# Determinación del Peso Potencial de los Granos

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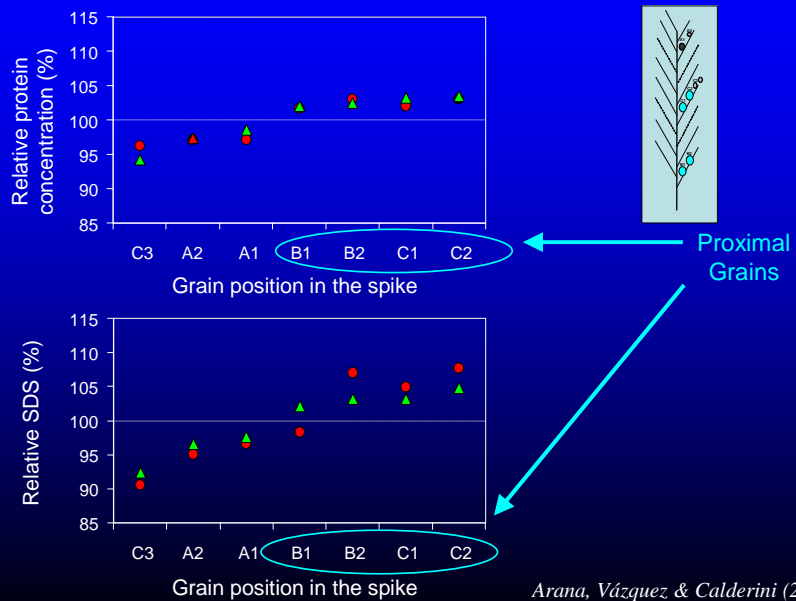
  
 Toluca, septiembre de 2011

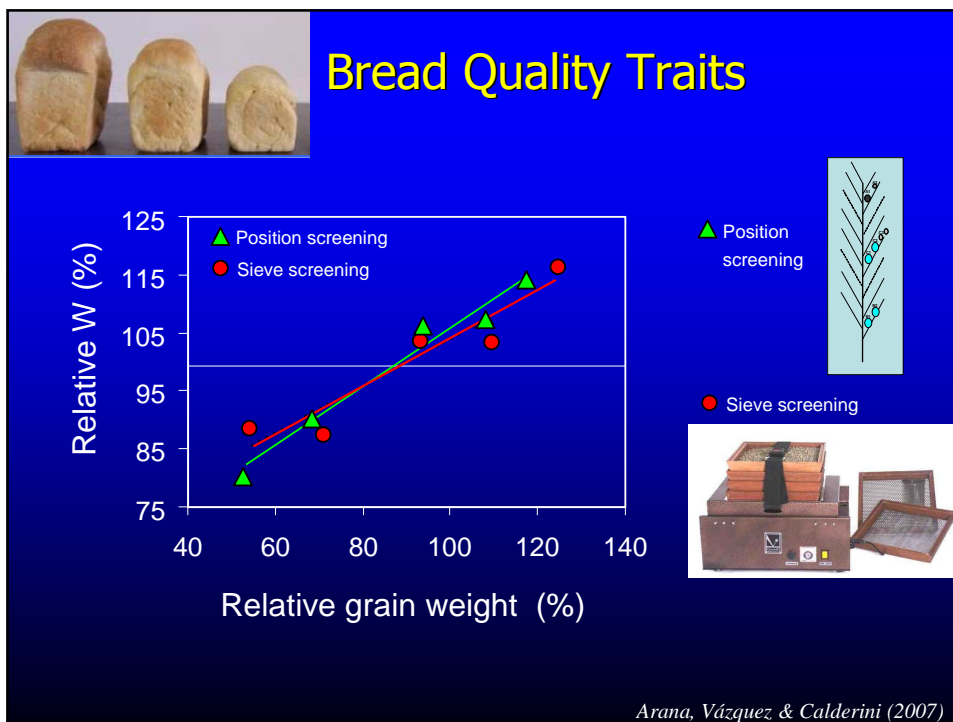



Peso promedio de los granos (mg) y relativo al PMG de la muestra para los dos grupos de datos

Posición	Grupo a				Grupo b								
	CC		CL		Calibre	CC		CL					
	mg	%PMG	mg	%PMG		mg	%PMG	mg	%PMG				
<b>C3</b>	20,5	a	62	23,4	a	72	<b>1</b>	19,6	a	54	19,3	a	53
<b>A2</b>	24,5	b	74	26,9	b	82	<b>2</b>	25,7	b	71	24,7	b	69
<b>A1</b>	27,3	c	82	29,3	c	90	<b>3</b>	33,7	c	93	33,9	c	94
<b>B1</b>	35,6	d	108	34,8	d	107	<b>4</b>	39,7	d	110	39,1	c	108
<b>B2</b>	35,3	d	107	35,5	d	109	<b>5</b>	45,0	e	125	42,5	e	117
<b>C1</b>	42,9	e	129	38,2	e	117							
<b>C2</b>	44,4	e	134	39,9	e	122							

### Uneven Distribution of Proteins Within the Spike

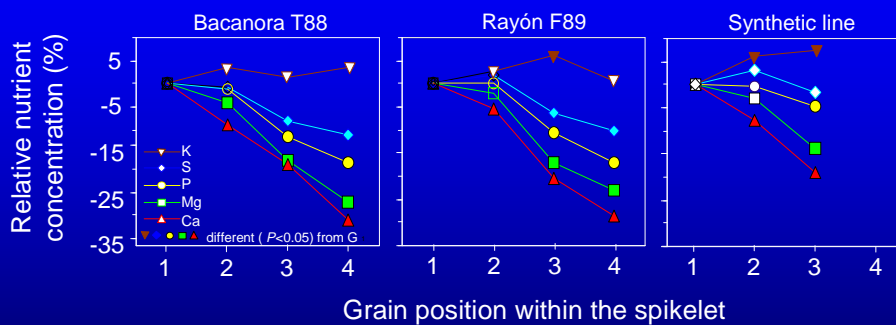




### Concentración de Proteína en Granos en Respuesta a La Fertilización Nitrogenada

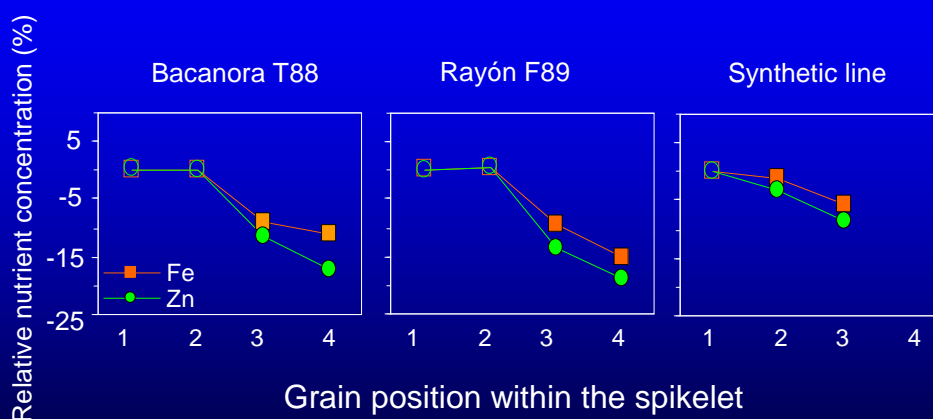
Cultivar	Fertilización	G 1	G 2	G 3	G 4
Baviacora	-N	8,73	8,89	8,30	8,01
	Mac.	9,25	9,47	9,05	8,39
	Bota	11,41	11,59	10,77	10,21
H 45	-N	8,78	9,07	8,83	8,20
	Mac.	9,69	9,92	9,63	9,25
	Bota	11,78	12,26	11,68	10,84

## Uneven Distribution of Nutrients Within the Spike



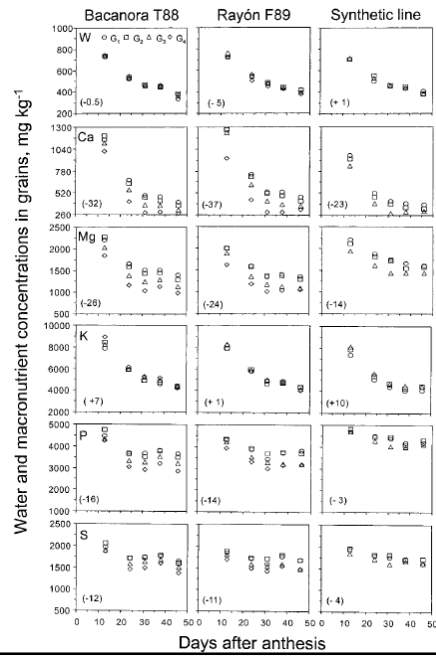
Calderini & Ortiz-Monasterio (2003)  
*Crop Science*

## Micronutrients (Fe and Zn) concentration in different grain positions

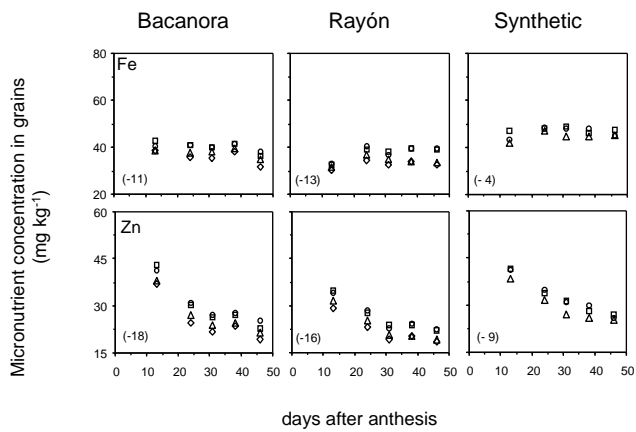


Calderini & Ortiz-Monasterio (2003)  
*Crop Science*

## Dynamic of water and macronutrient concentration



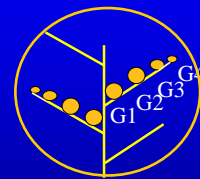
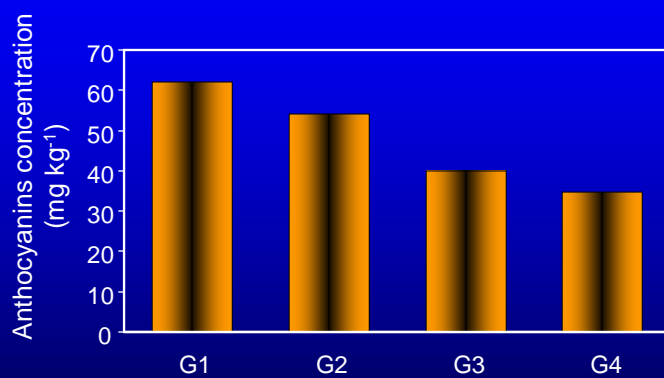
## Dynamic of micronutrient (Fe and Zn) concentration



## Purple wheat

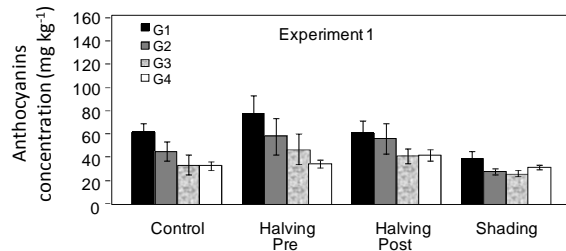


## ANTHOCYANINS CONCENTRATION IN GRAINS

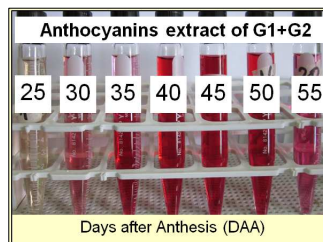
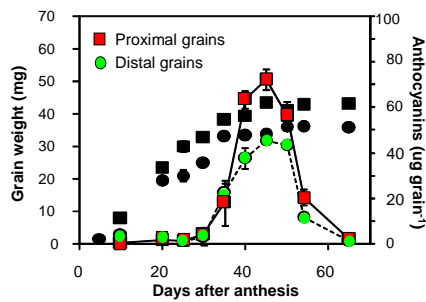


*Bustos & Calderini (2011)*

## Concentración de Antocianinas en los Granos



## ANTHOCYANINS DYNAMIC IN GRAINS



Bustos & Calderini (2011)

