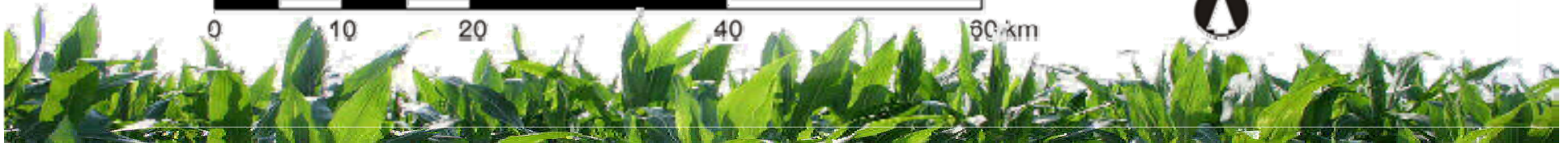
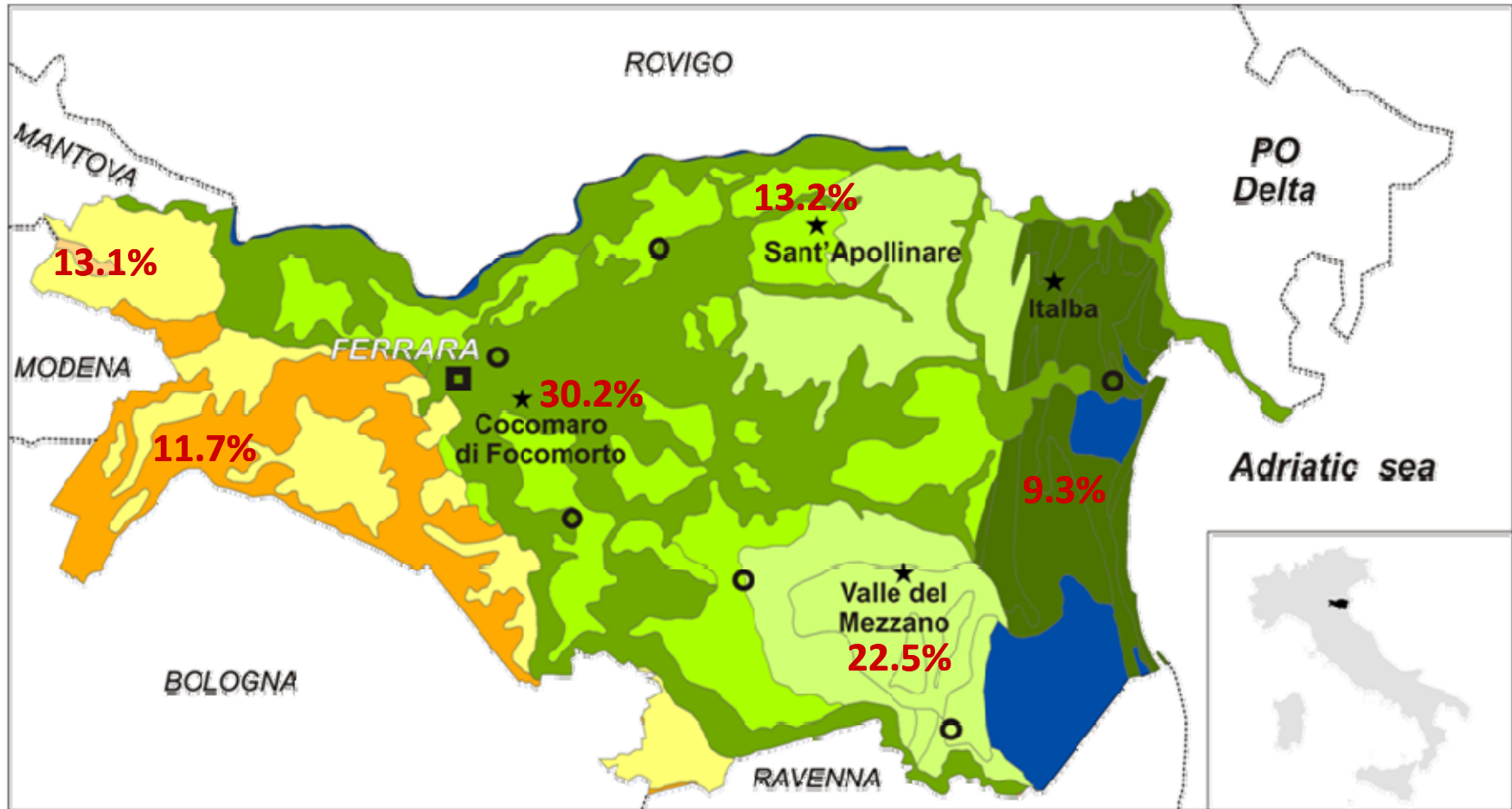
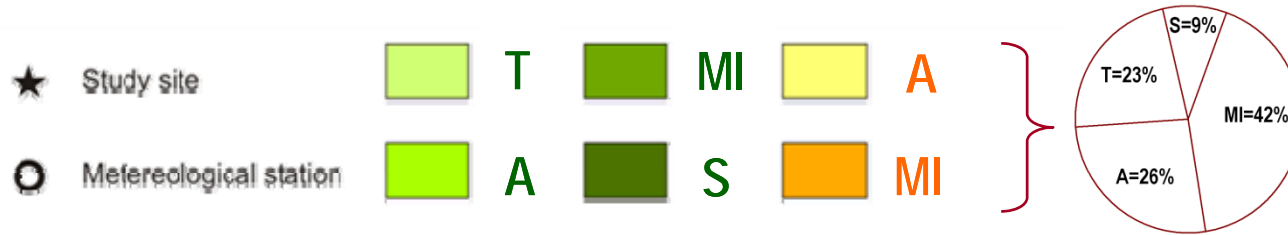


Risultati vegeto-produttivi di ibridi di mais e varietà di frumento a diversi livelli di concimazione azotata nei quattro terreni prevalenti della provincia di Ferrara

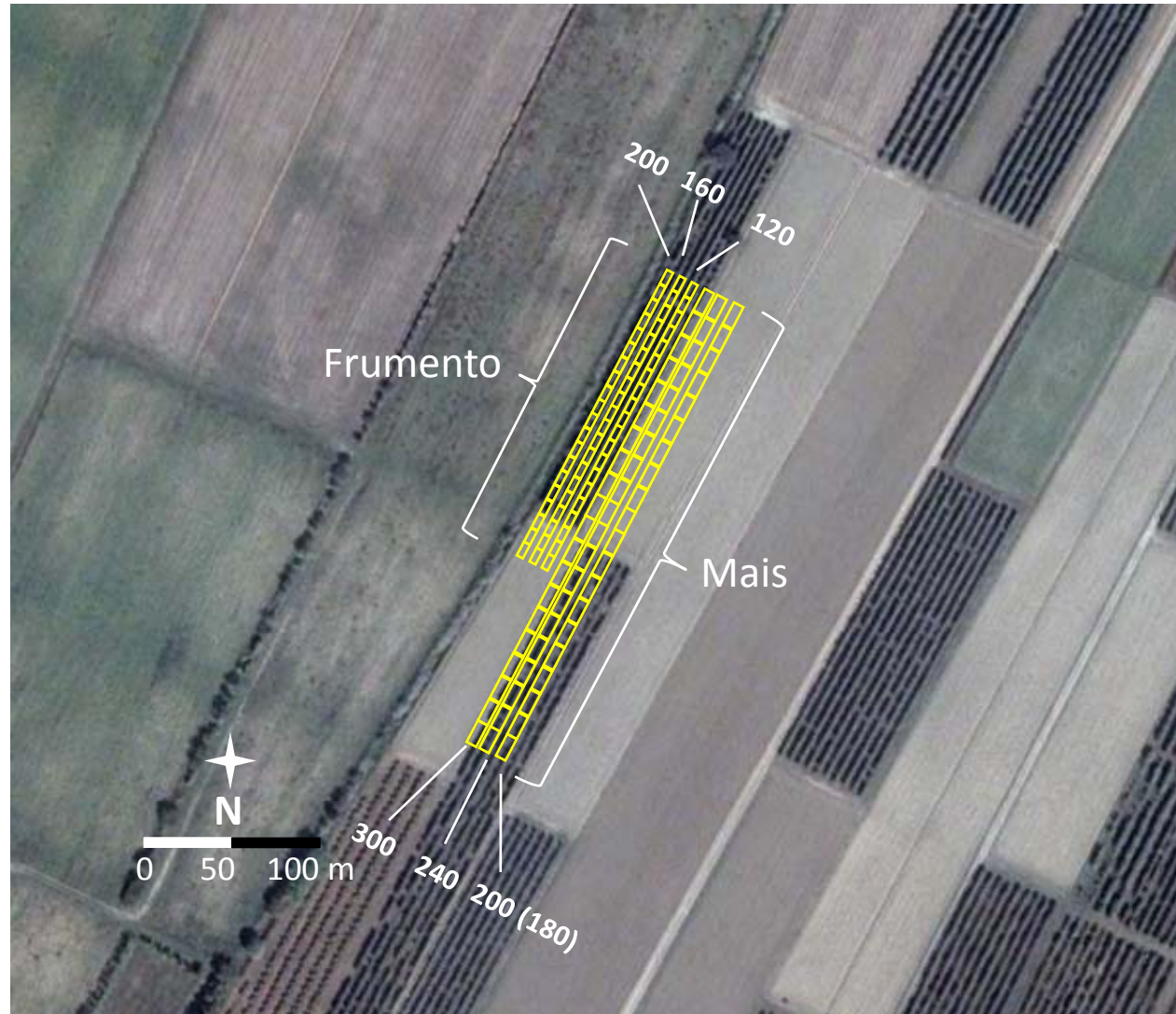
Sandro Bolognesi

Azienda Agraria Sperimentale “M. Marani”





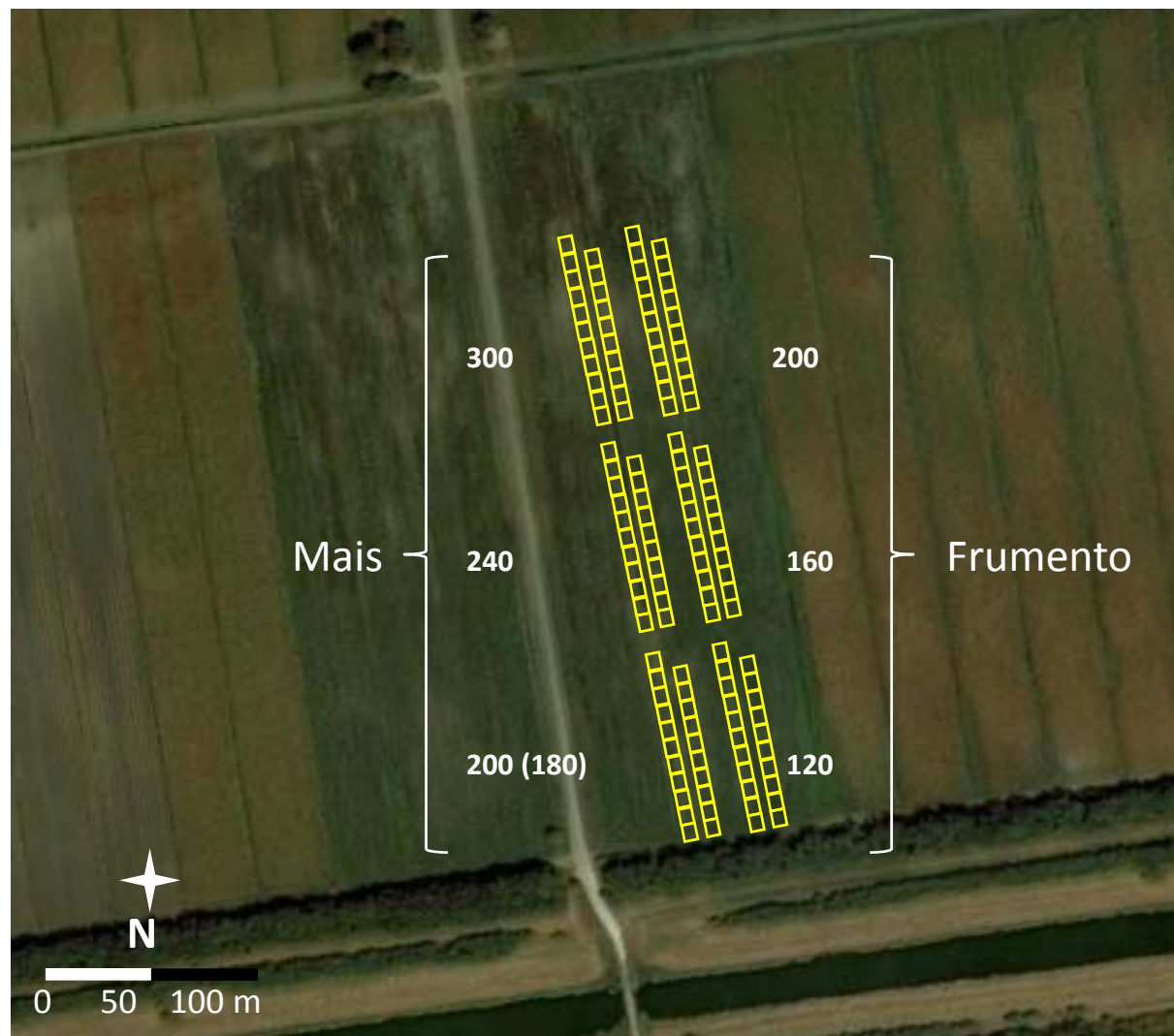
Medio impasto



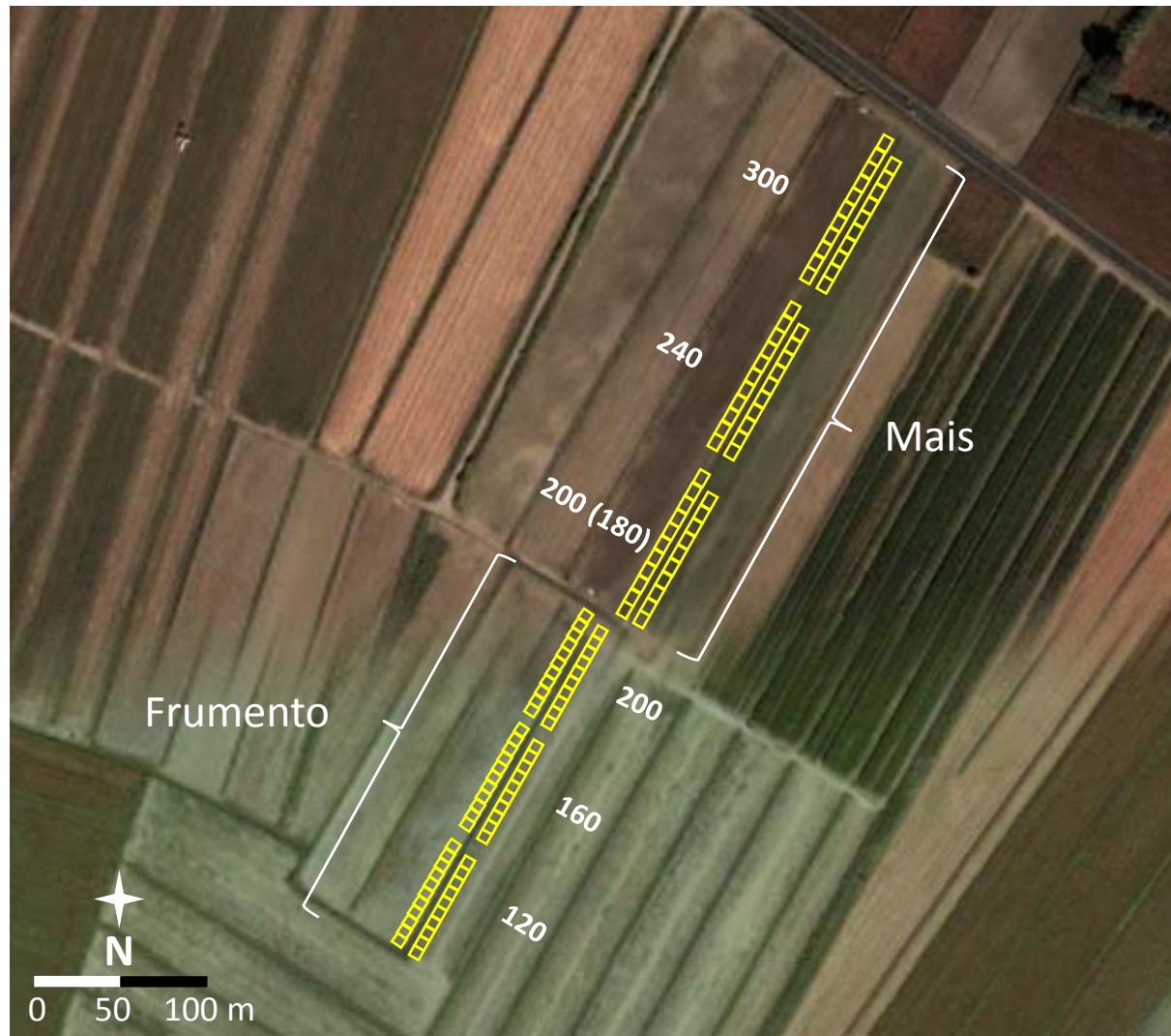
Argilla



Torba

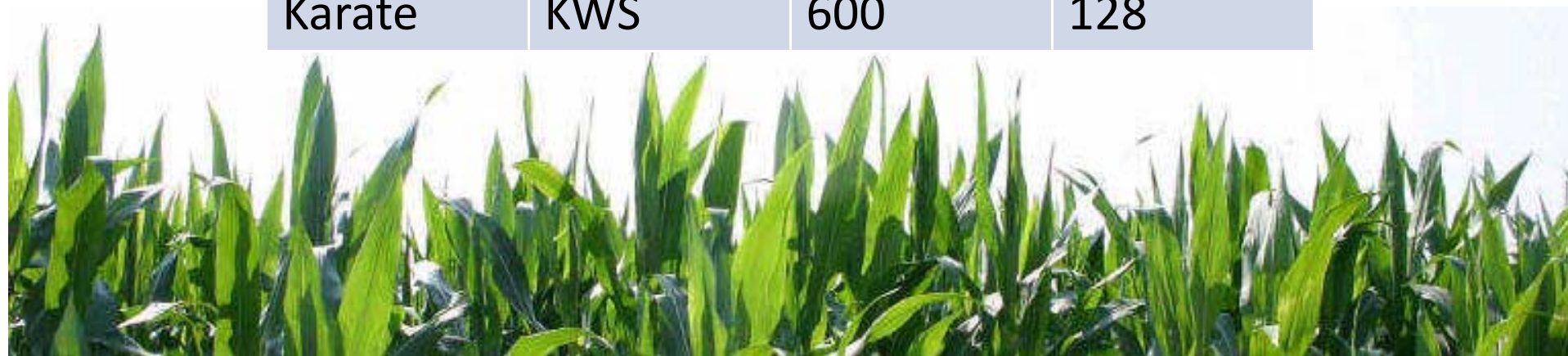


Sabbia



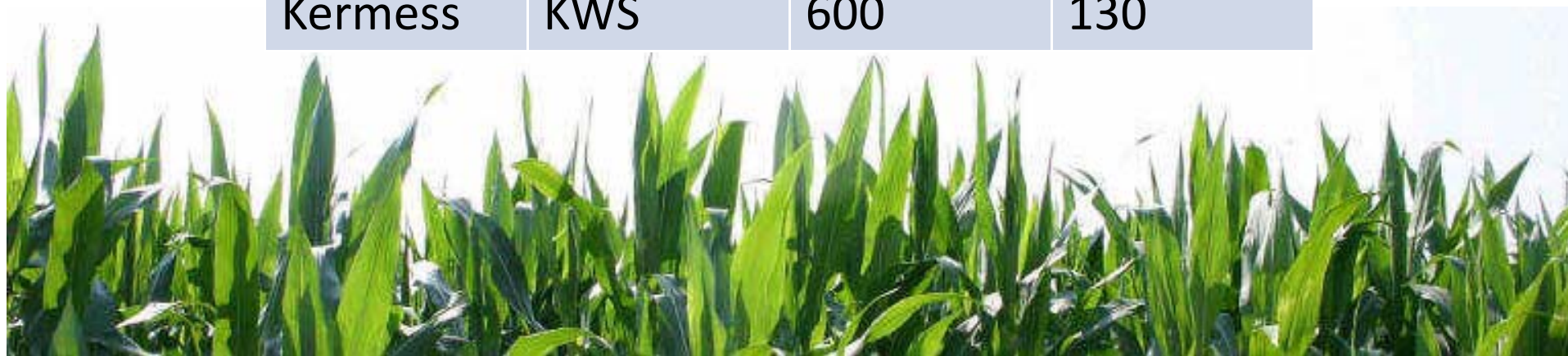
Mais 2007

Varietà	Società	Classe FAO	Giorni
PR34N84	Pioneer	500	122
Keplero	KWS	500	122
DKC 5783	Dekalb	500	123
Kandal	KWS	500	125
PR33A46	Pioneer	500	128
DKC 6040	Dekalb	500	128
Karate	KWS	600	128



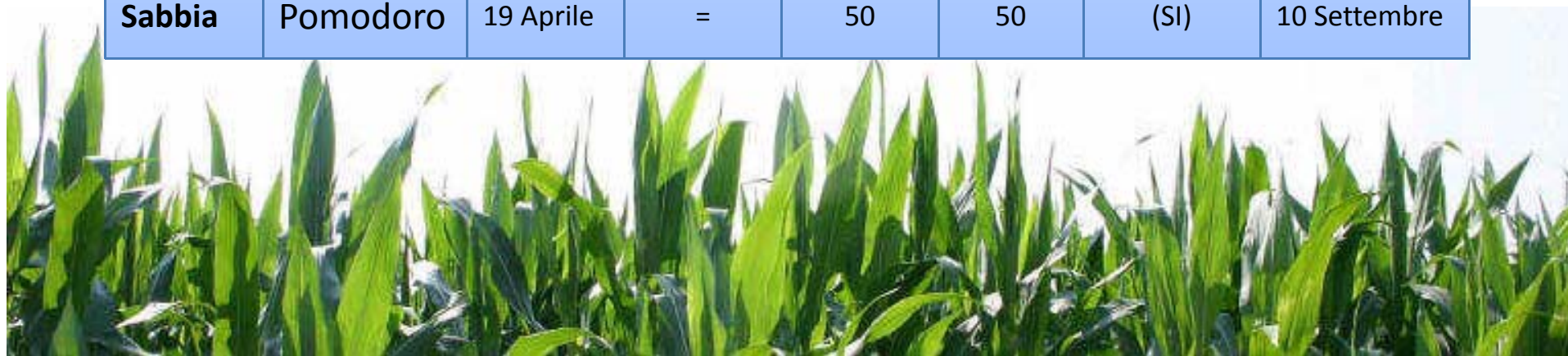
Mais 2008

Varietà	Società	Classe FAO	Giorni
DK 440	Dekalb	300	105
PR36B08	Pioneer	300	112
DKC 5143	Dekalb	400	115
Agrister	Verneuil	500	125
DKC 6040	Dekalb	500	128
PR33A46	Pioneer	500	128
Kermess	KWS	600	130



Mais 2007

Terreno	Precessione	Semina	5Concimazione azotata			Irrigazione	Raccolta
			Pre-semina	Prima copertura	Seconda copertura		
		Data	Kg/ha	%	%		Data
Argilla	Frumento	18 Aprile	50	50	50	SI	7 Settembre
Medio impasto	Bietola	18 Aprile	50	50	50	NO	6 Settembre
Torba	Frumento	19 Aprile	=	50	50	(SI)	11 Settembre
Sabbia	Pomodoro	19 Aprile	=	50	50	(SI)	10 Settembre



Mais 2008

Terreno	Precessione	Semina	Concimazione azotata			Irrigazione	Raccolta
			Pre-semina	Prima copertura	Seconda copertura		
		Data	Kg/ha	%	%		Data
Argilla	Mais	2 Aprile	50	50	50	SI	12 Settembre
Medio impasto	Mais	2 Aprile	50	50	50	NO	9 Settembre
Torba	Mais	3 Aprile	=	50	50	(SI)	=
Sabbia	Mais	3 Aprile	=	50	50	(SI)	11 Settembre





Mais - Rilievi

Aspetti agronomici

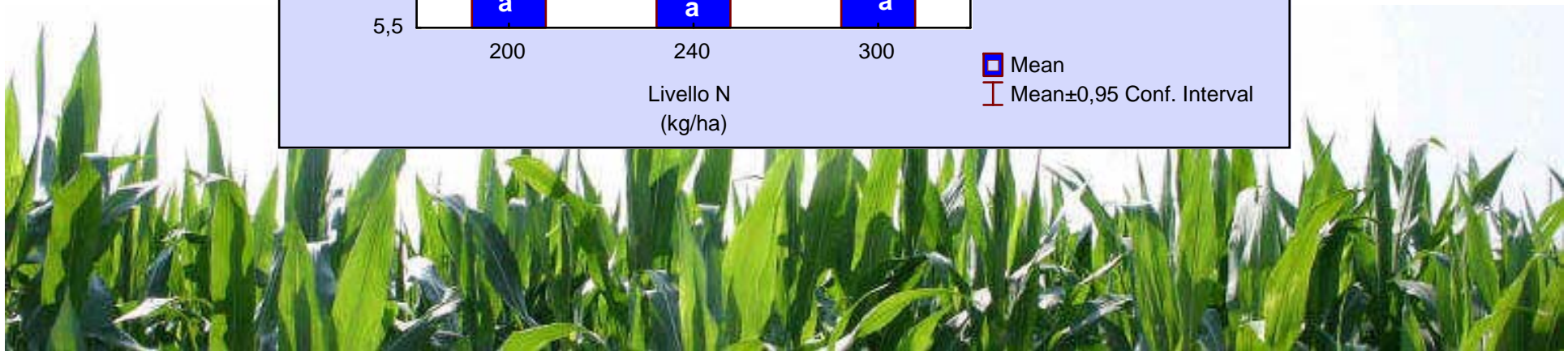
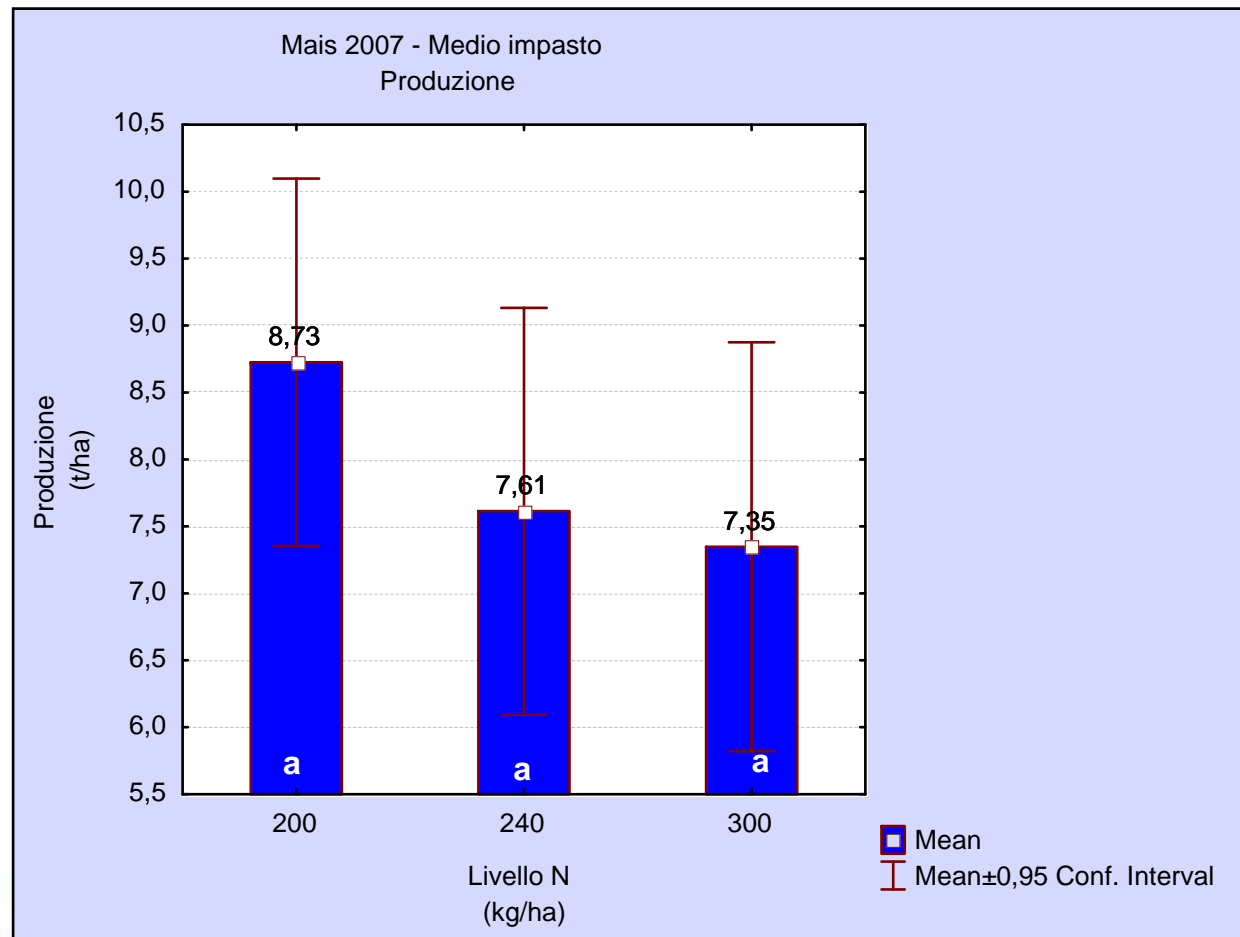
- Altezza pianta
- Altezza spiga
- Piante allettate
- Piante stroncate

Aspetti produttivi e qualitativi

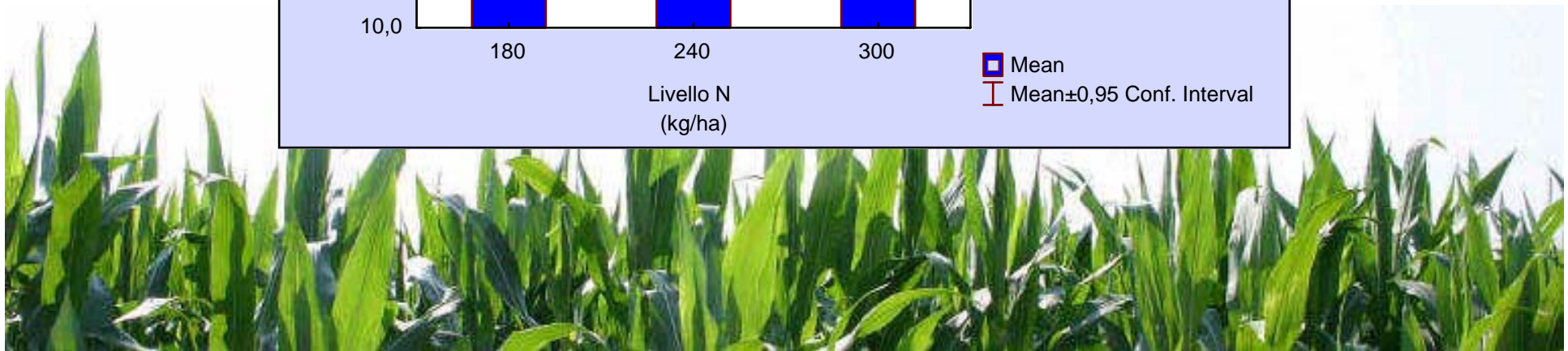
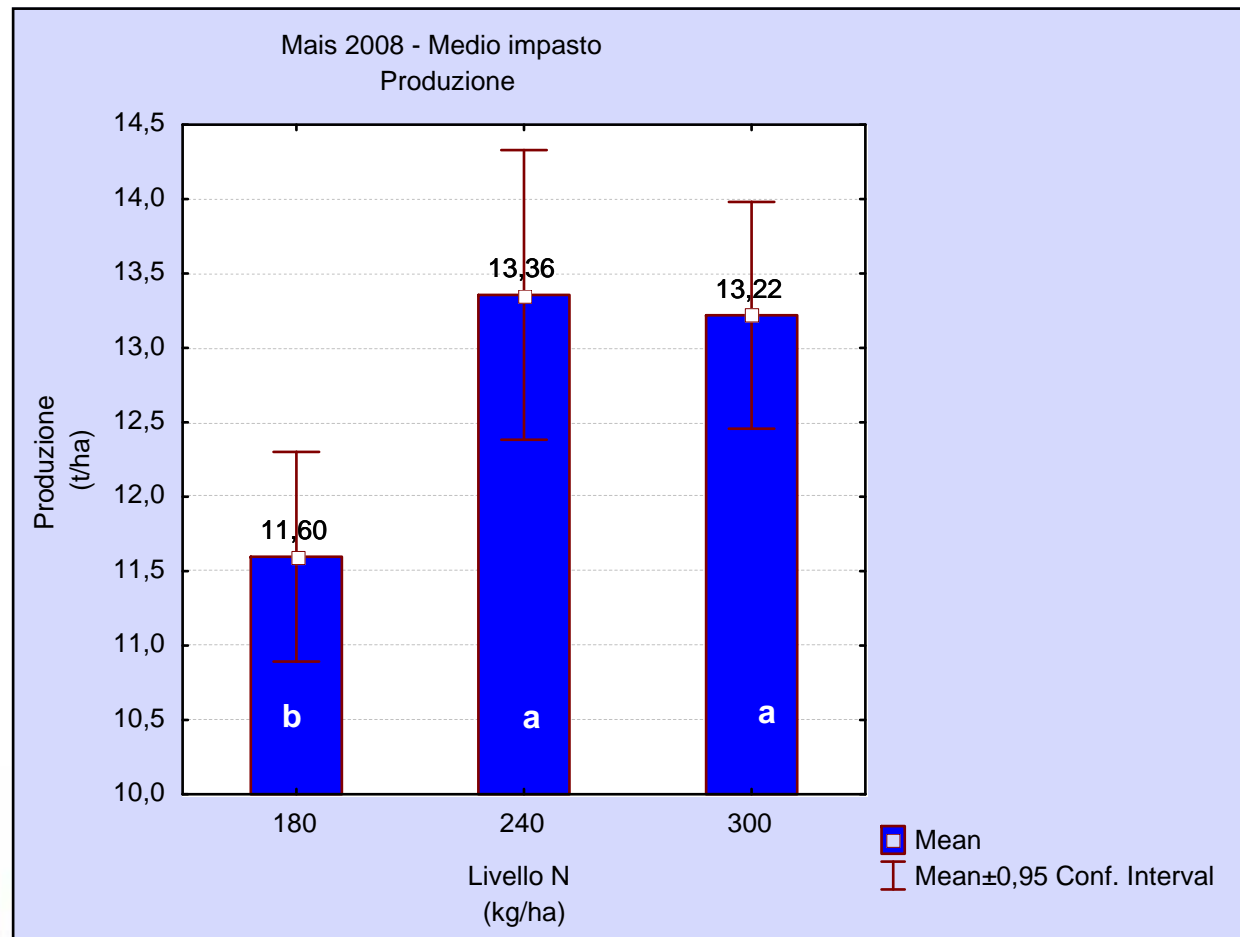
- **Produzione/ettaro (al 15,5% di umidità)**
- Umidità alla raccolta
- **Peso ettolitrico**
- Peso 1000 semi



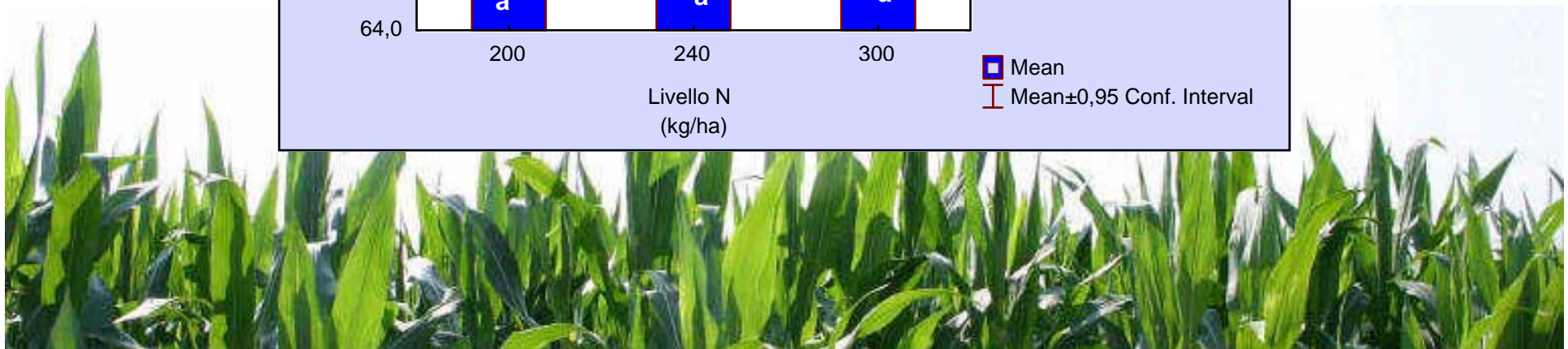
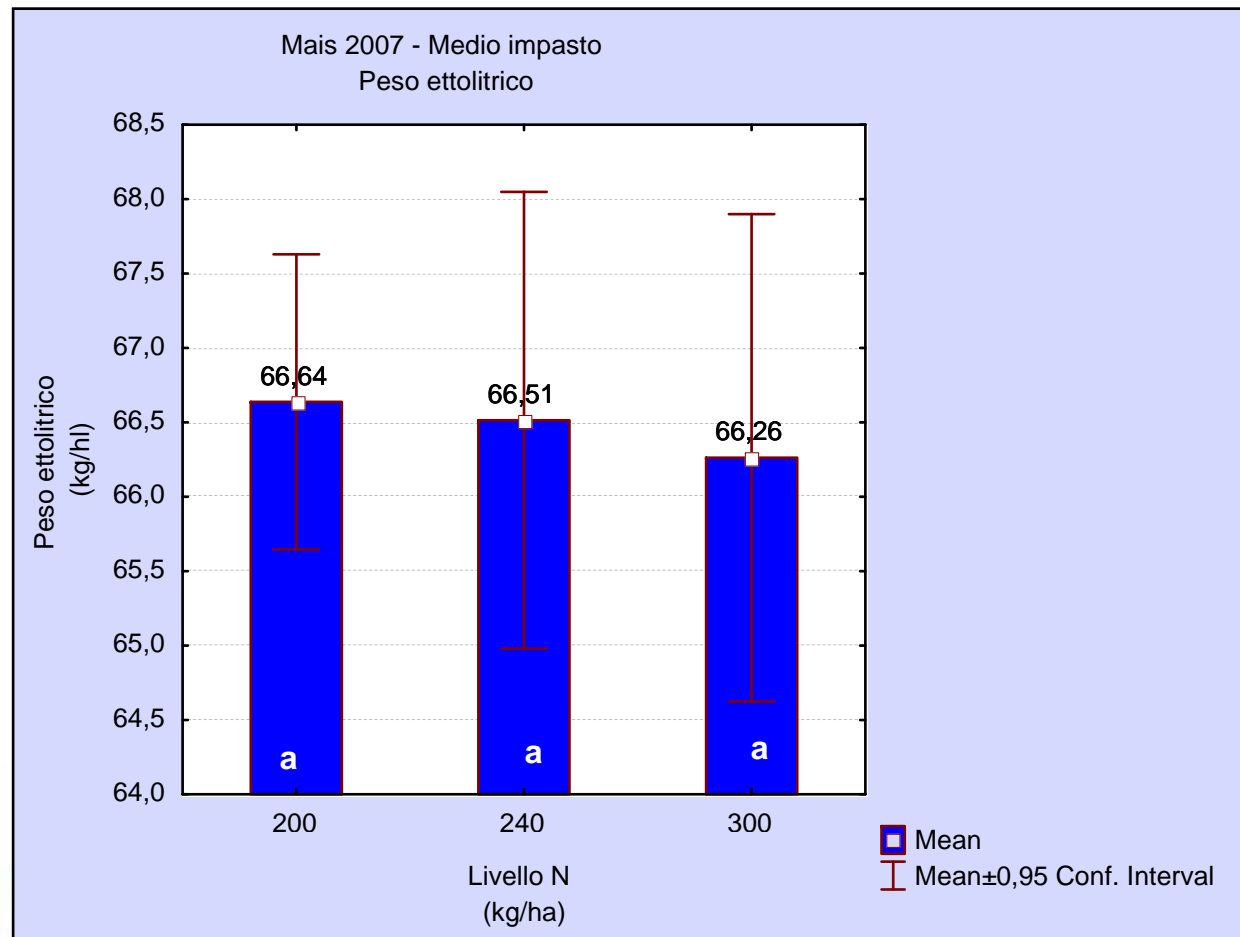
Mais 2007



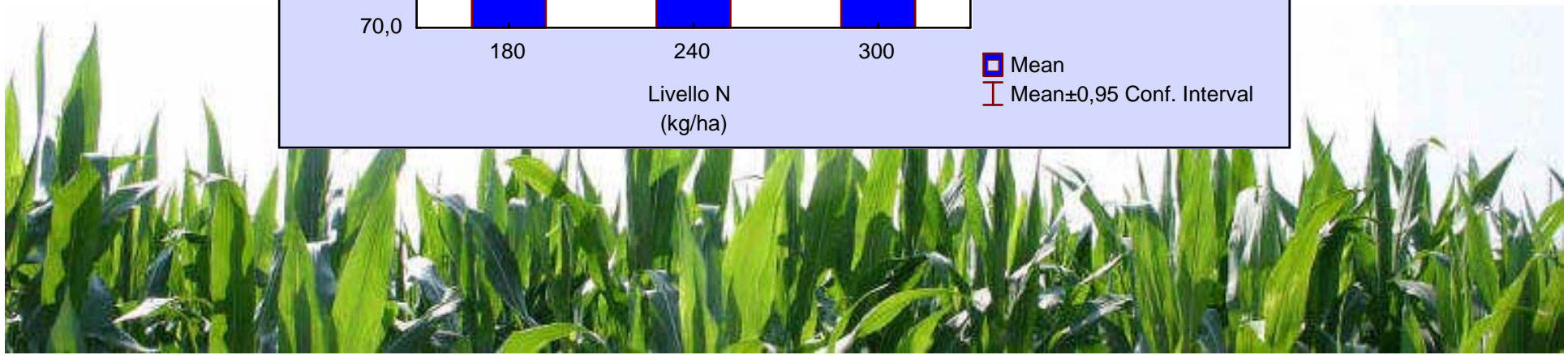
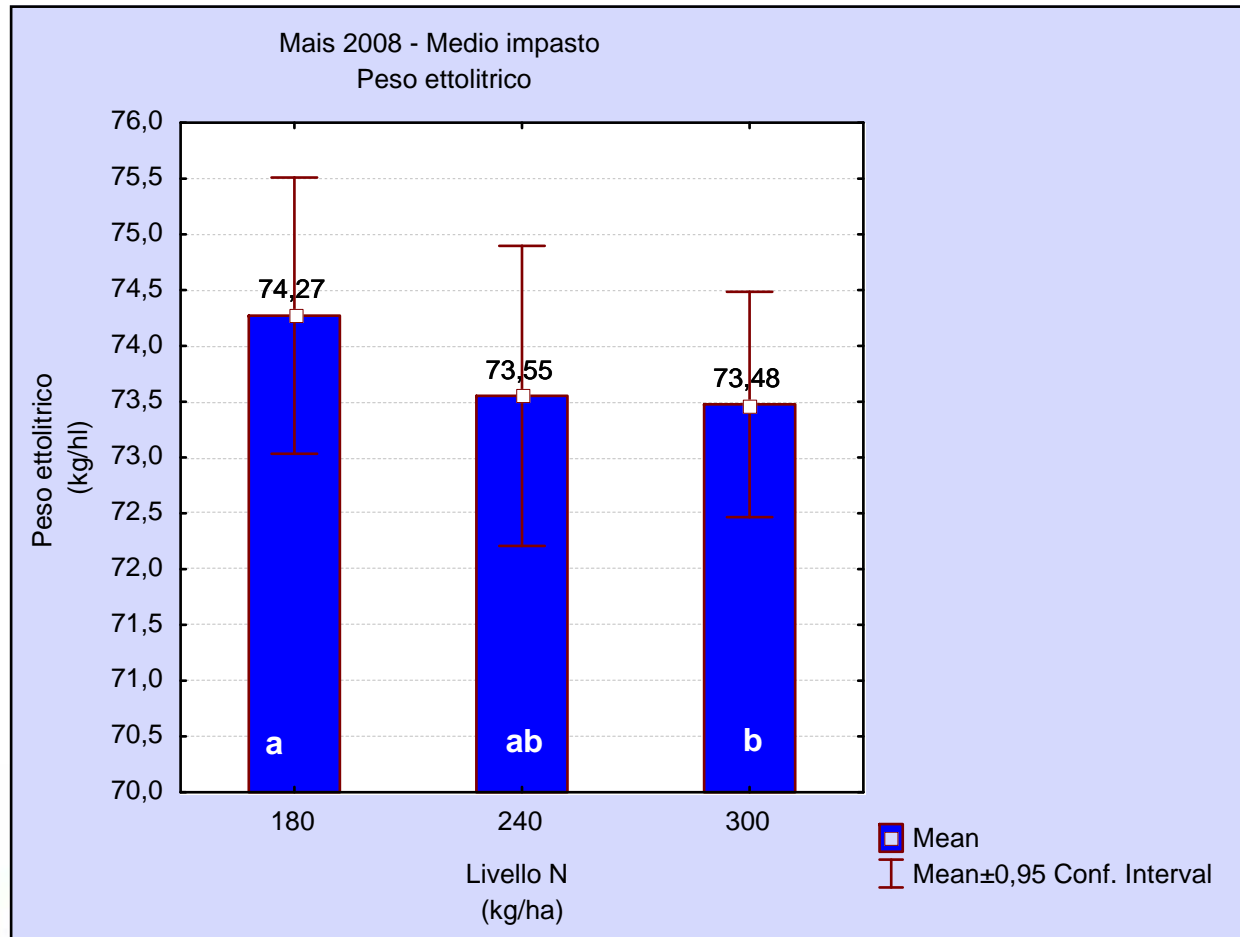
Mais 2008



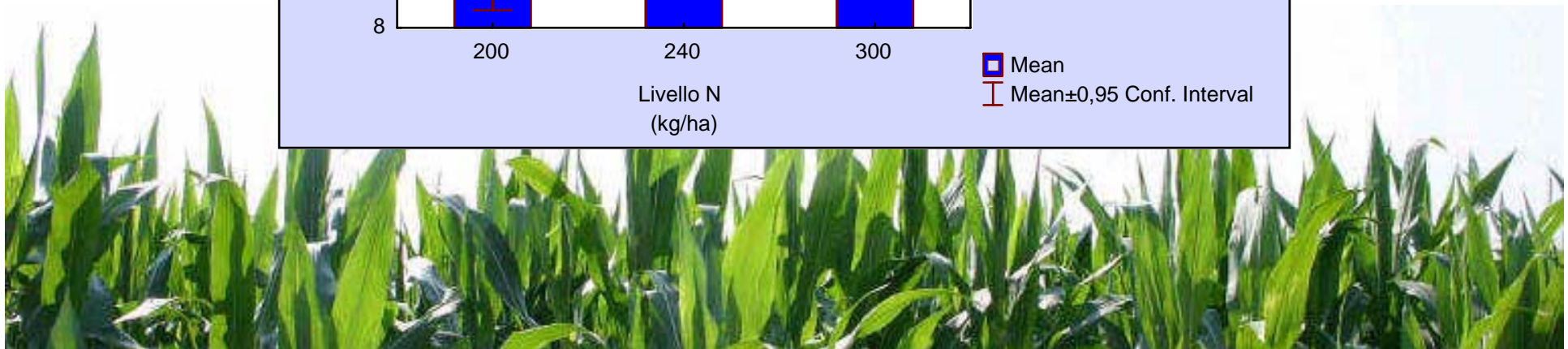
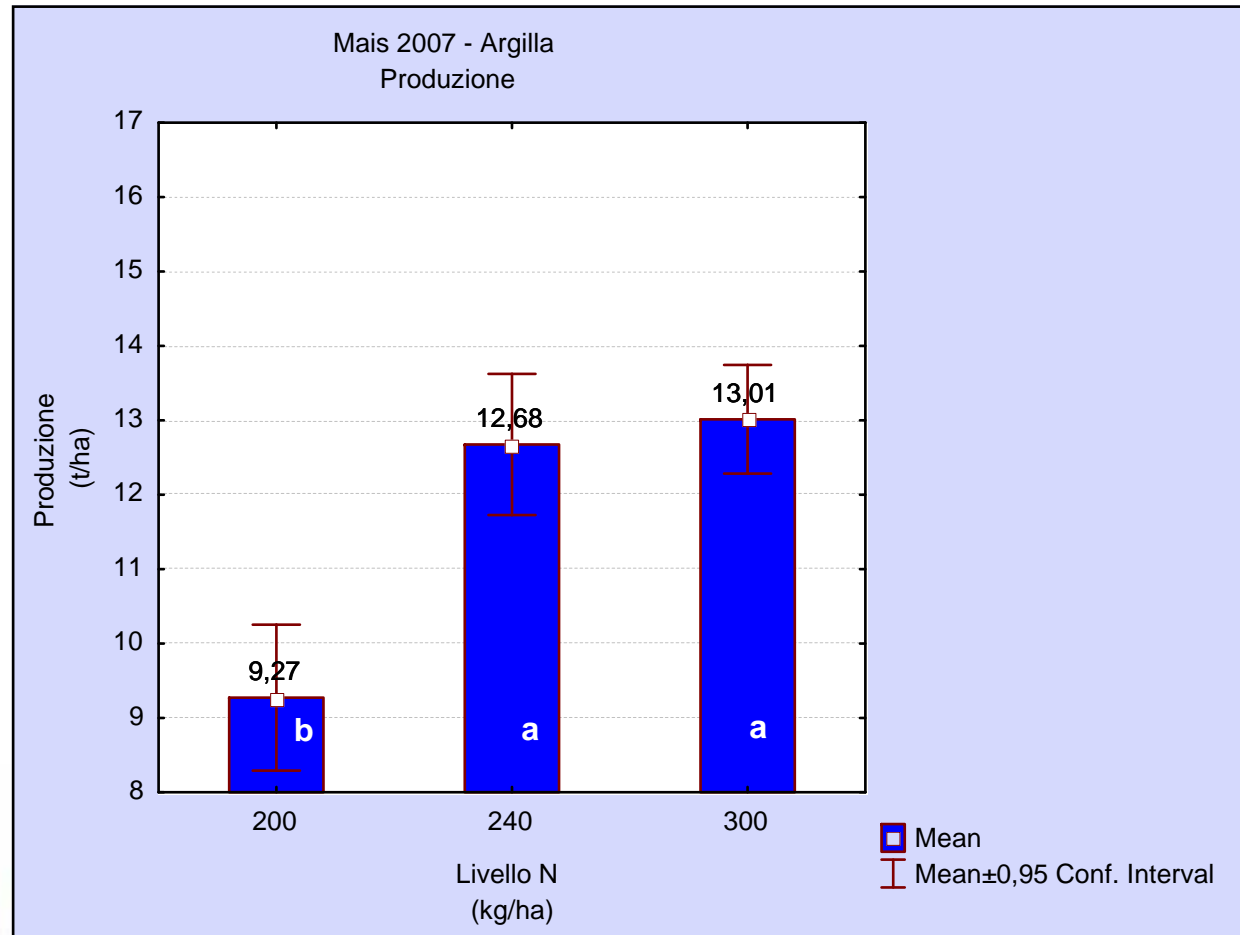
Mais 2007



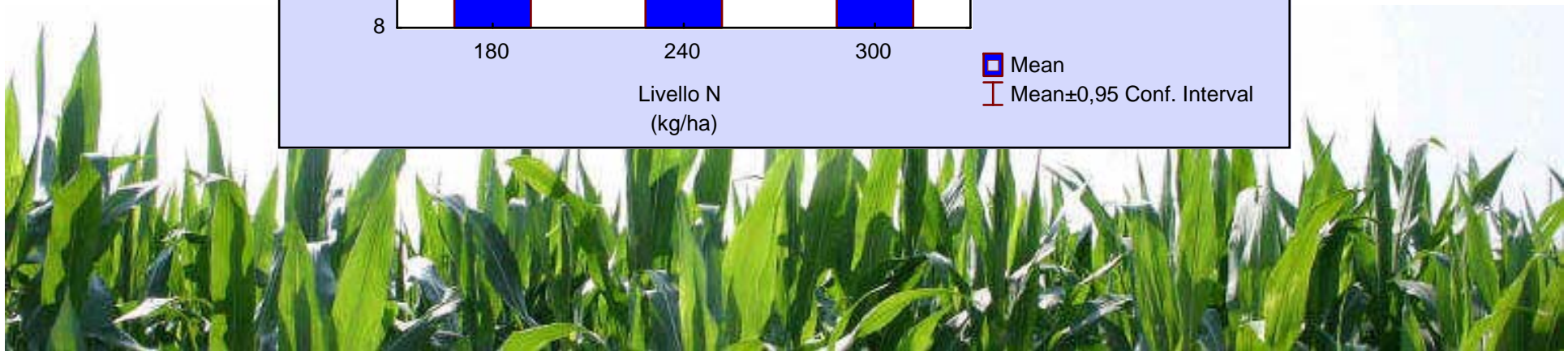
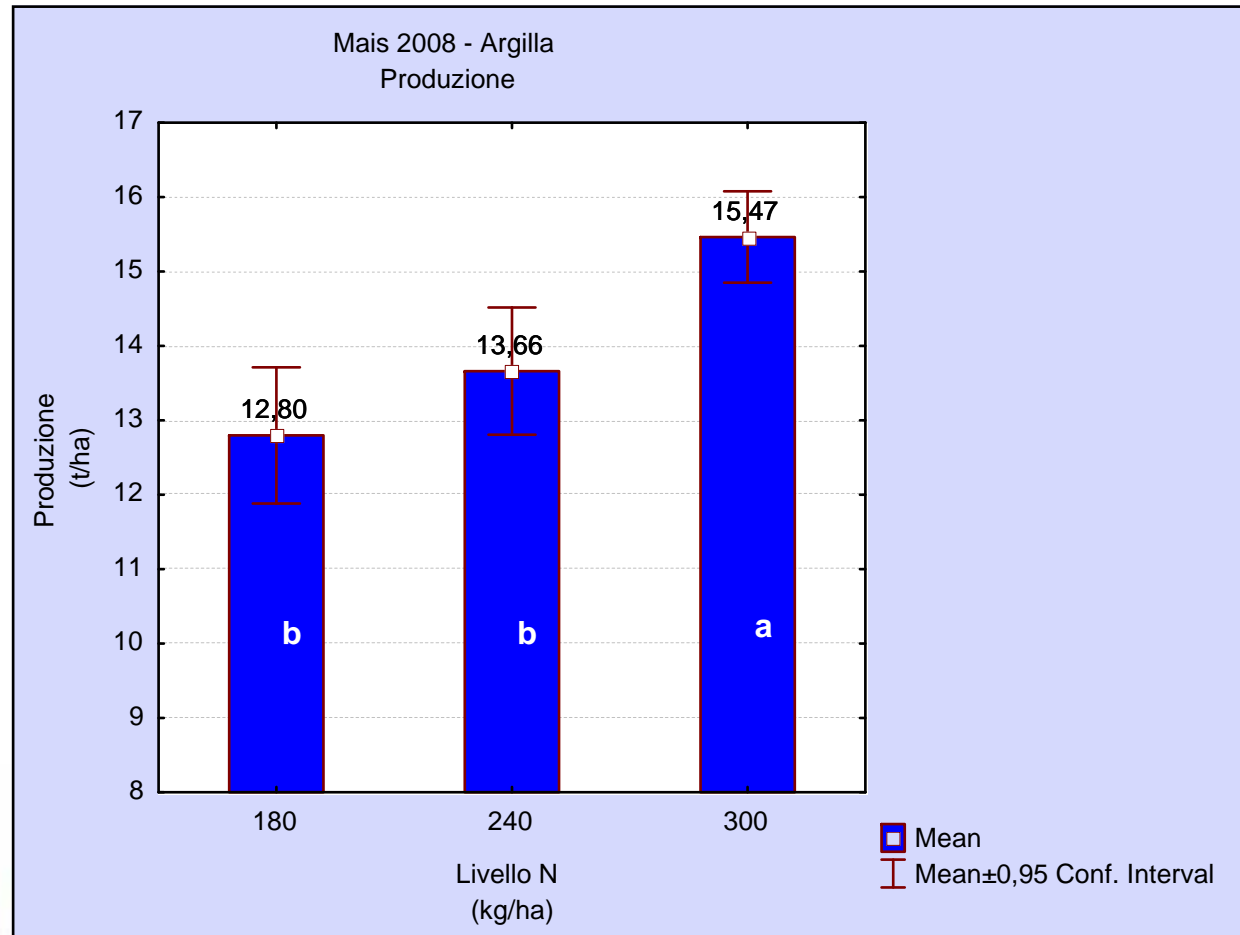
Mais 2008



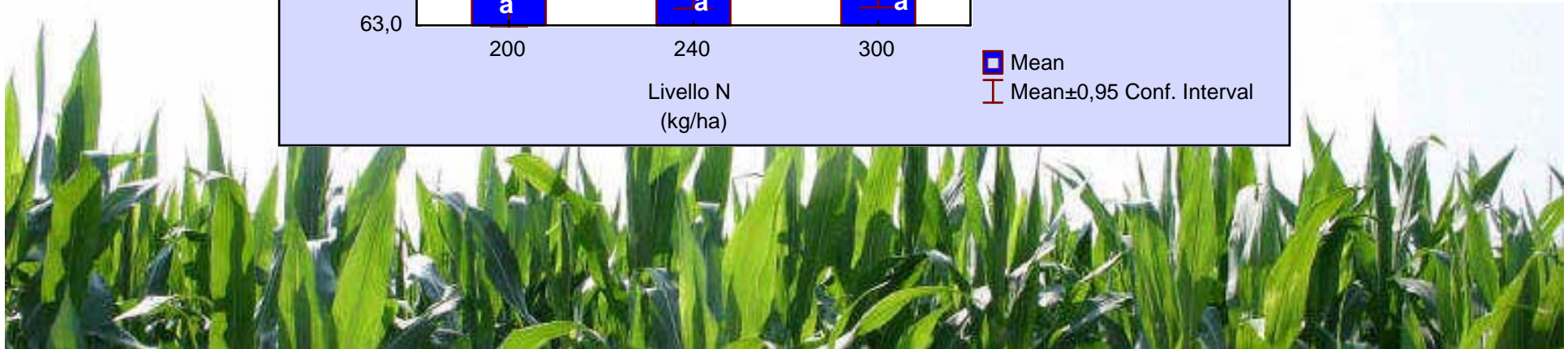
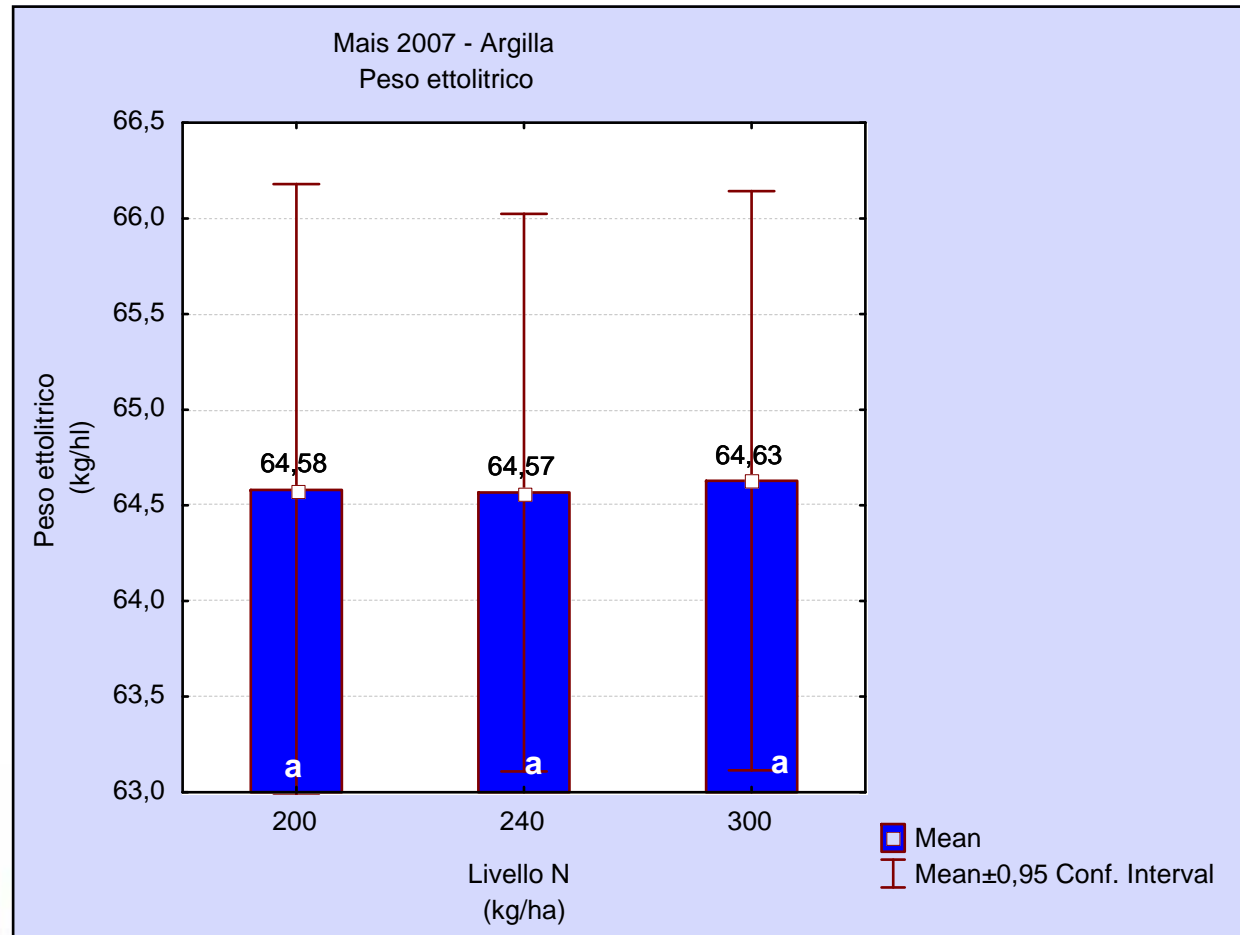
Mais 2007



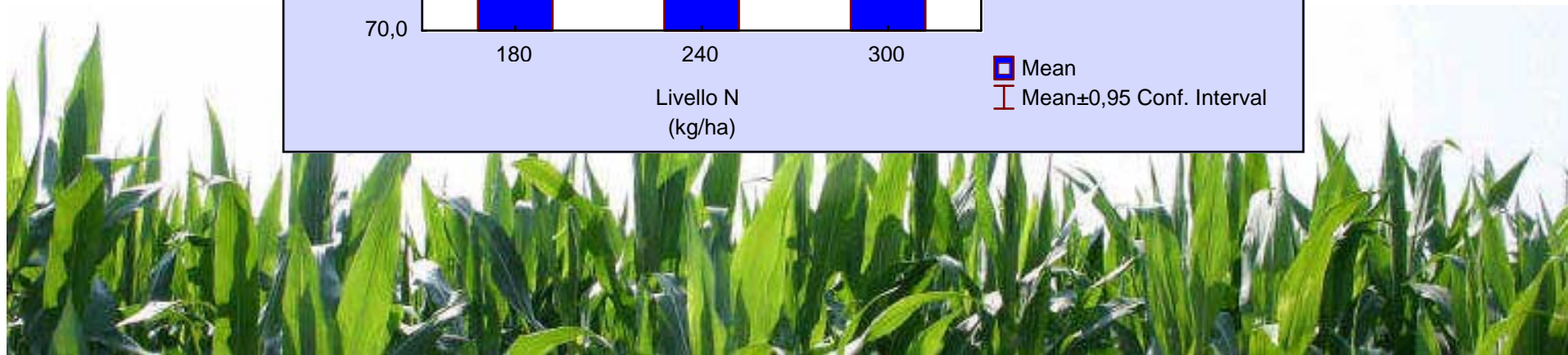
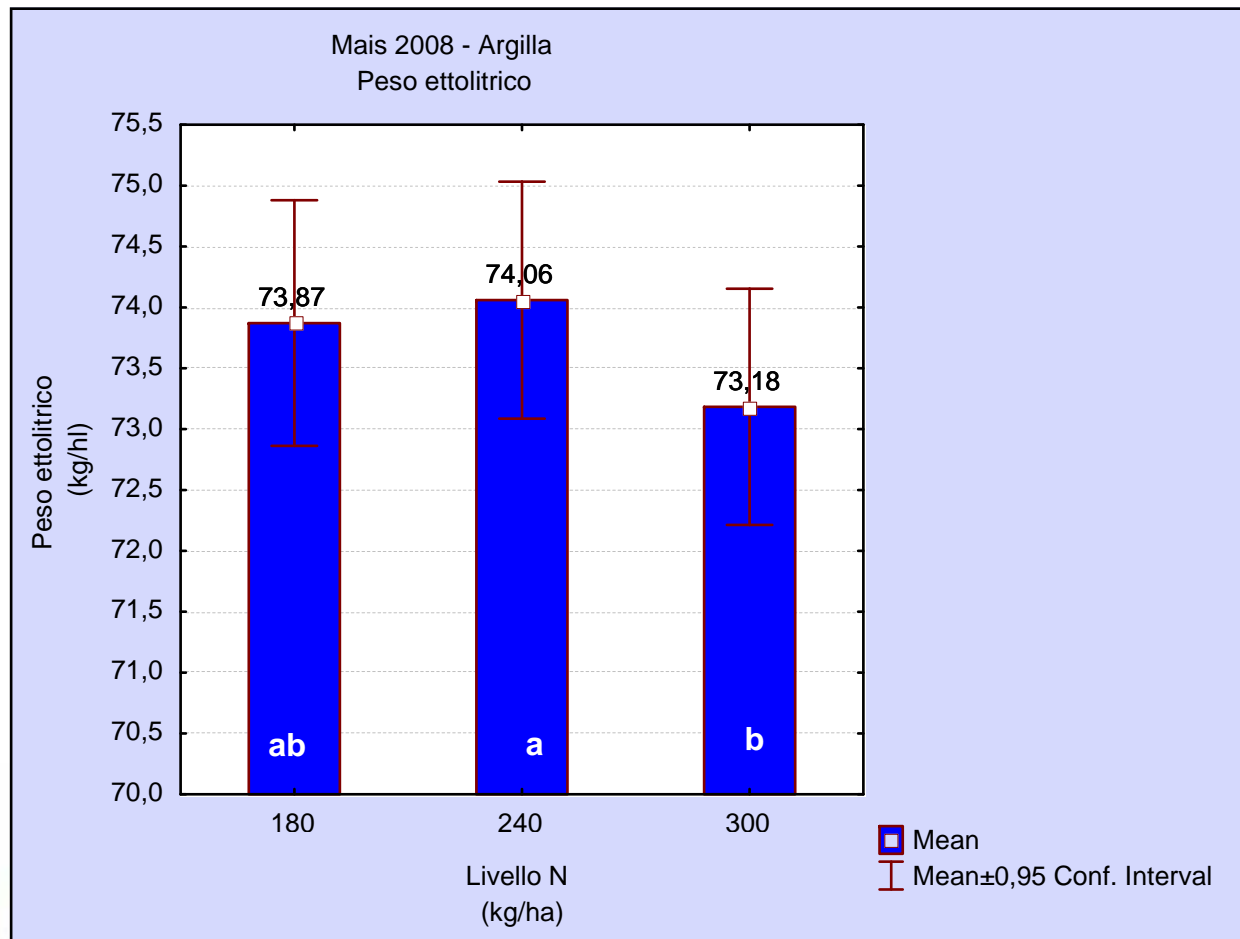
Mais 2008



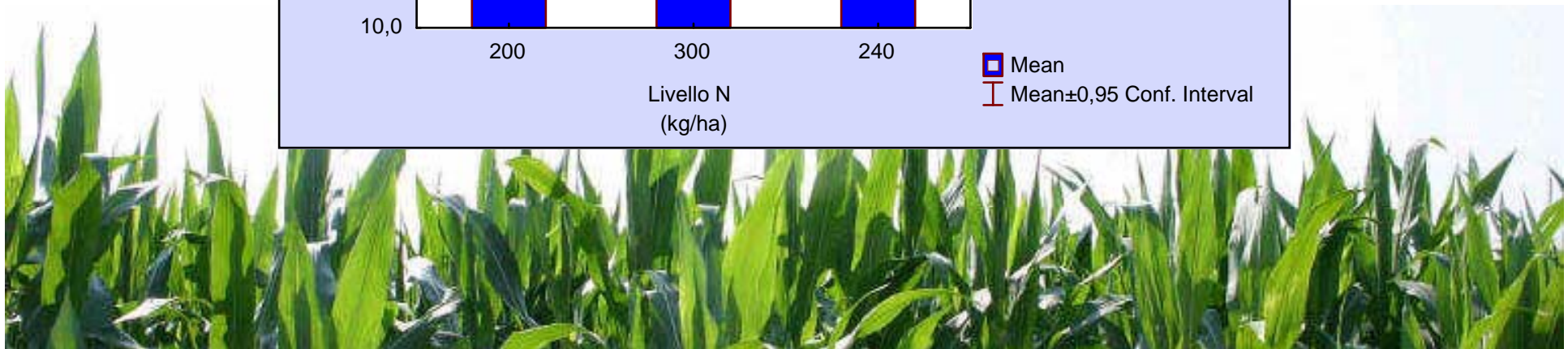
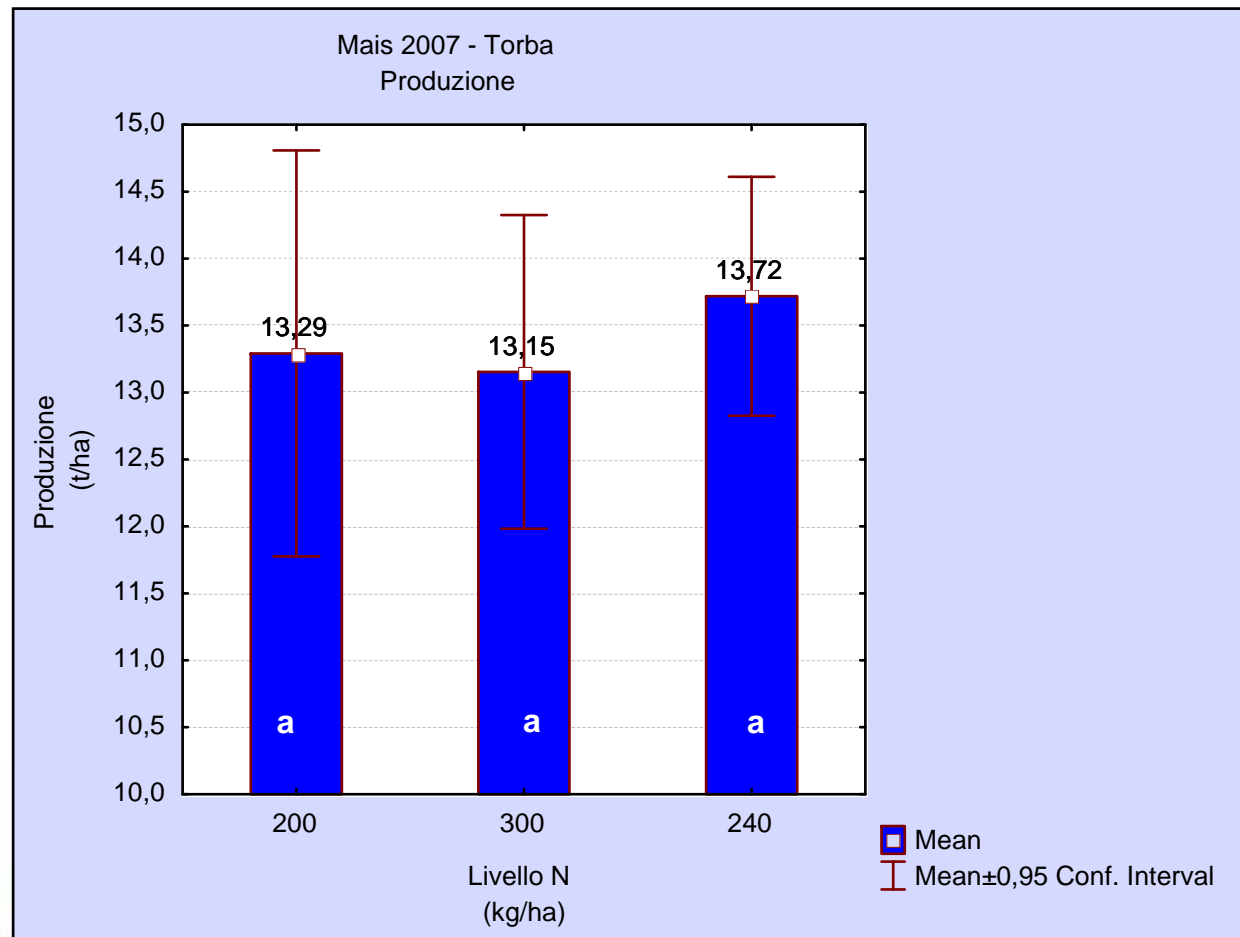
Mais 2007



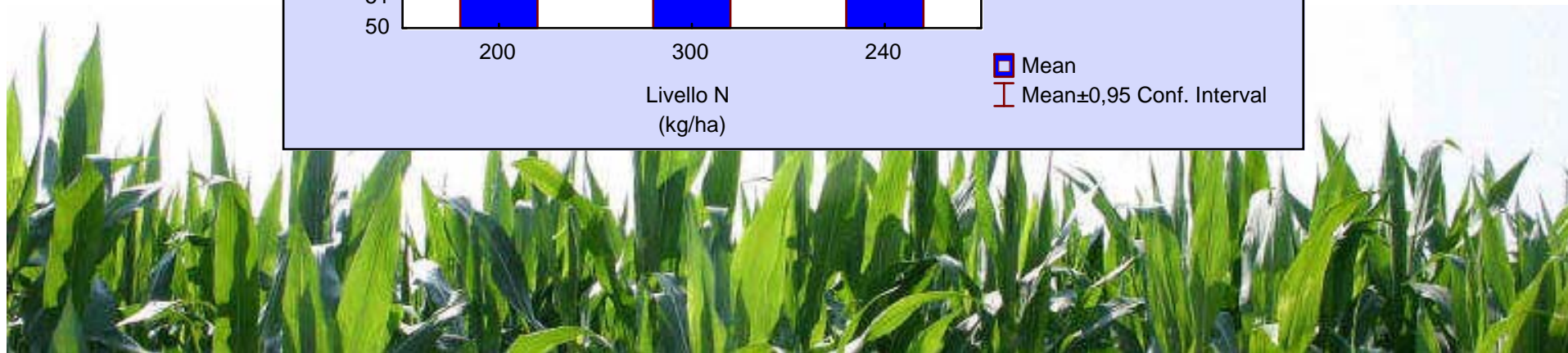
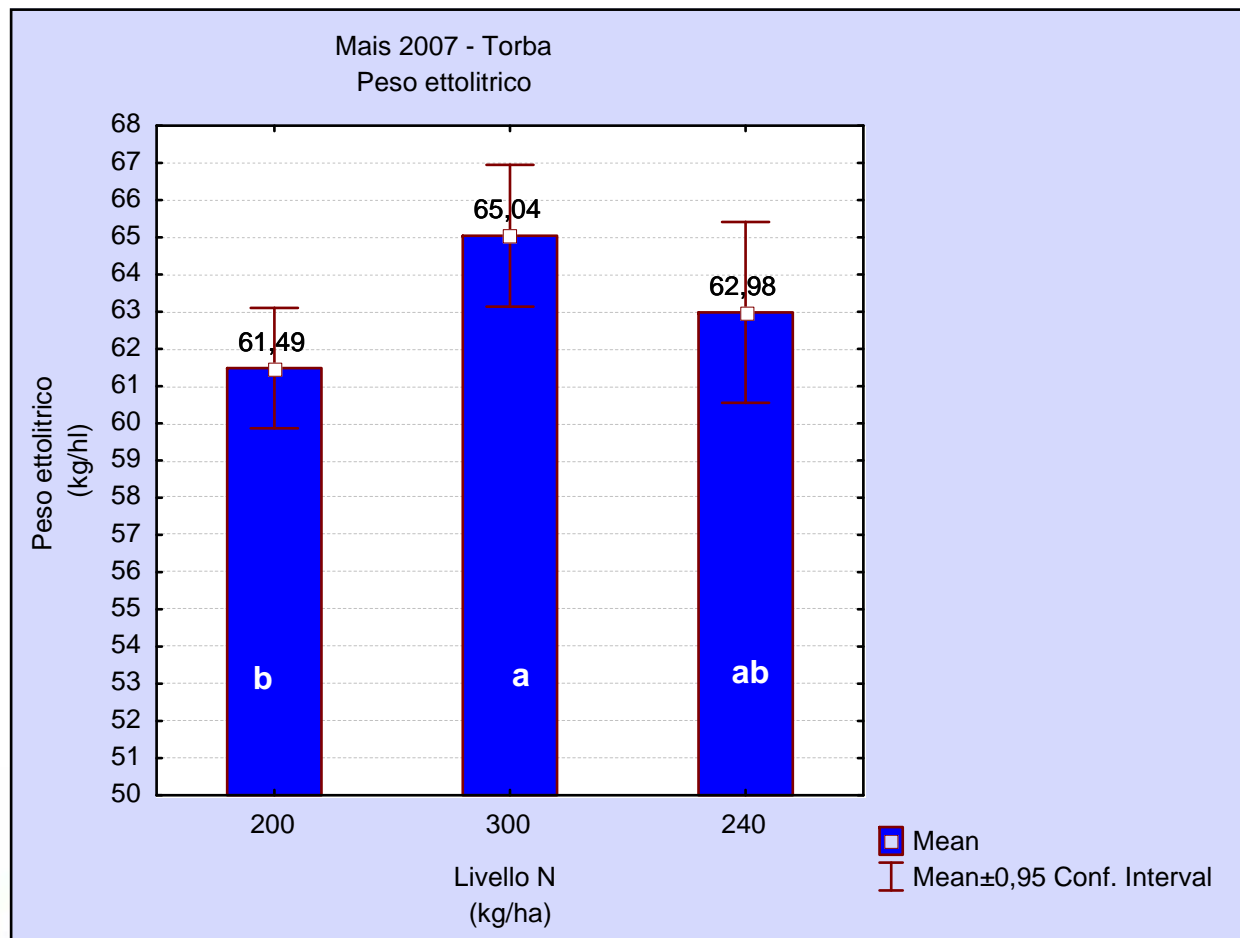
Mais 2008



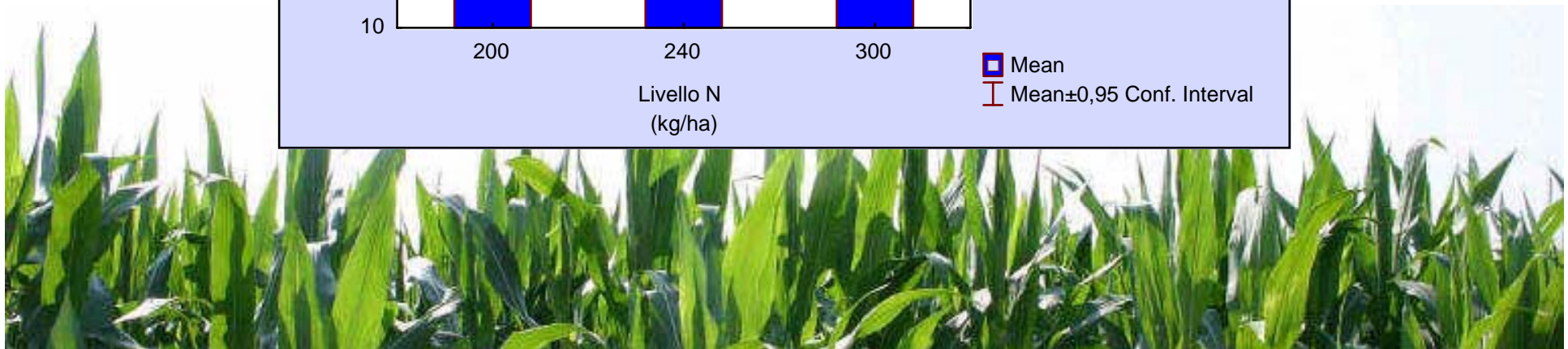
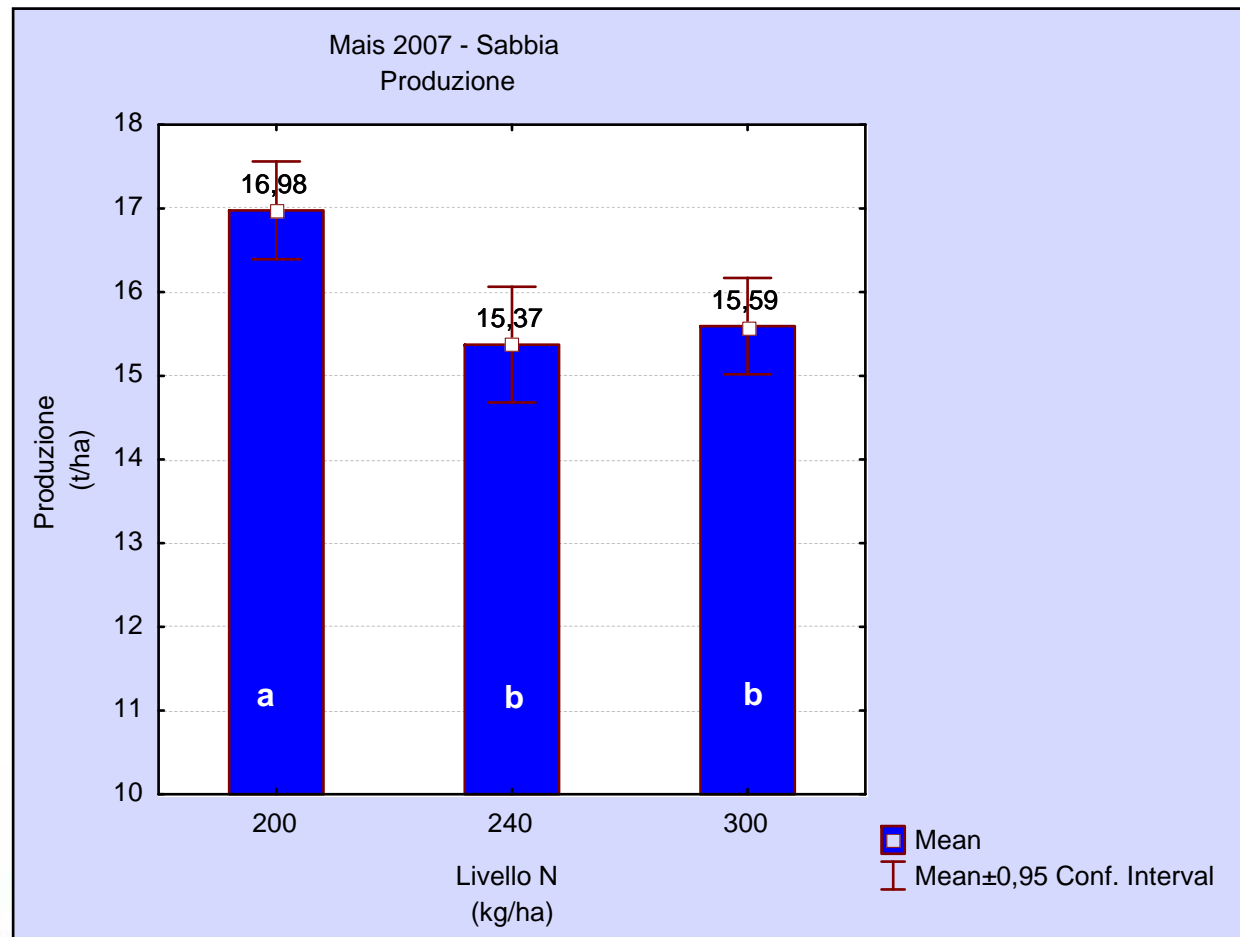
Mais 2007



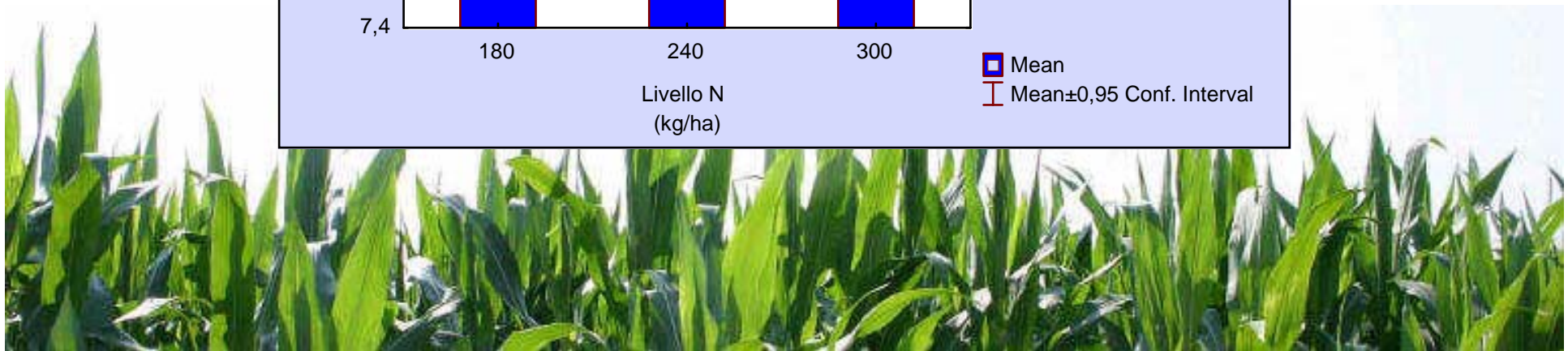
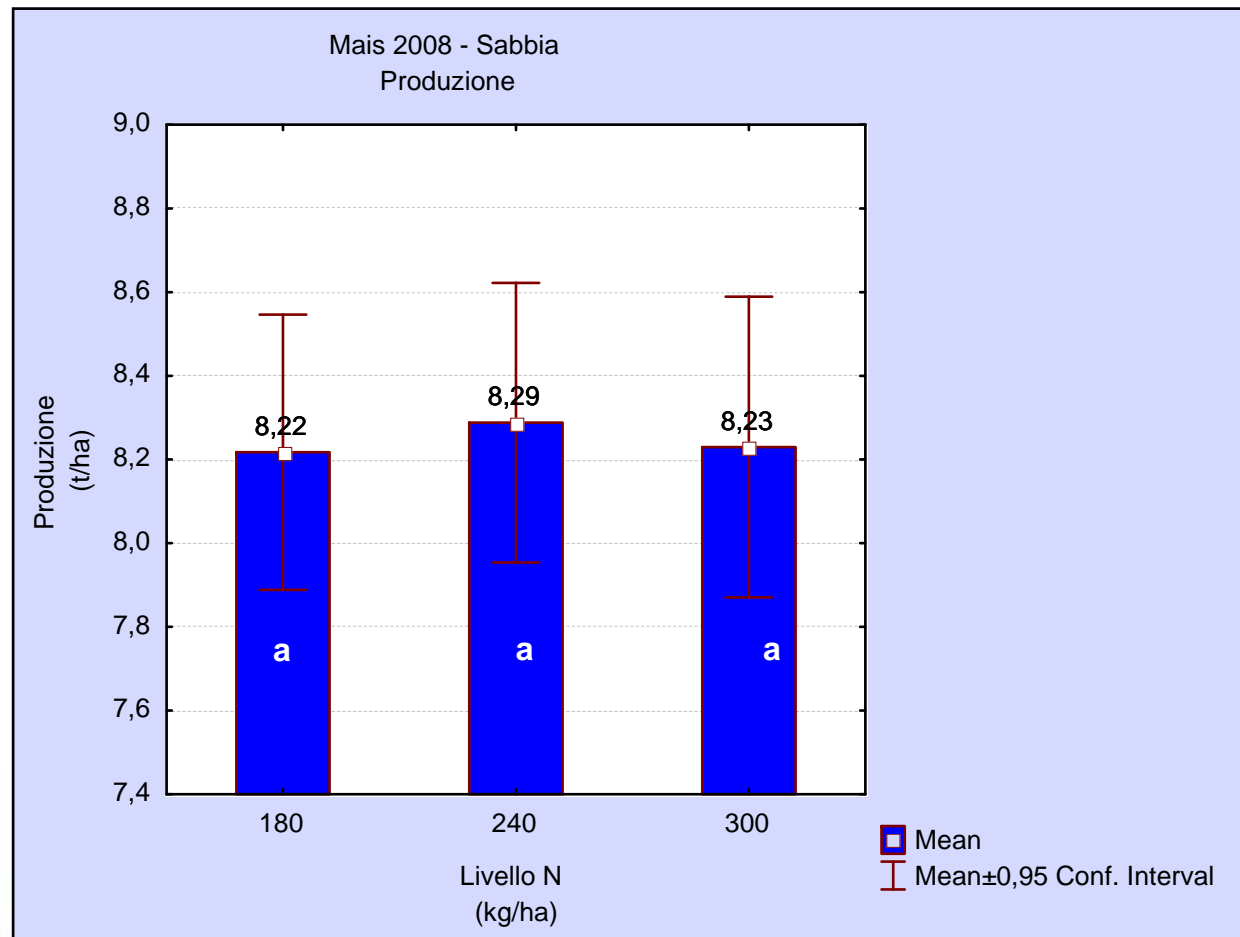
Mais 2007



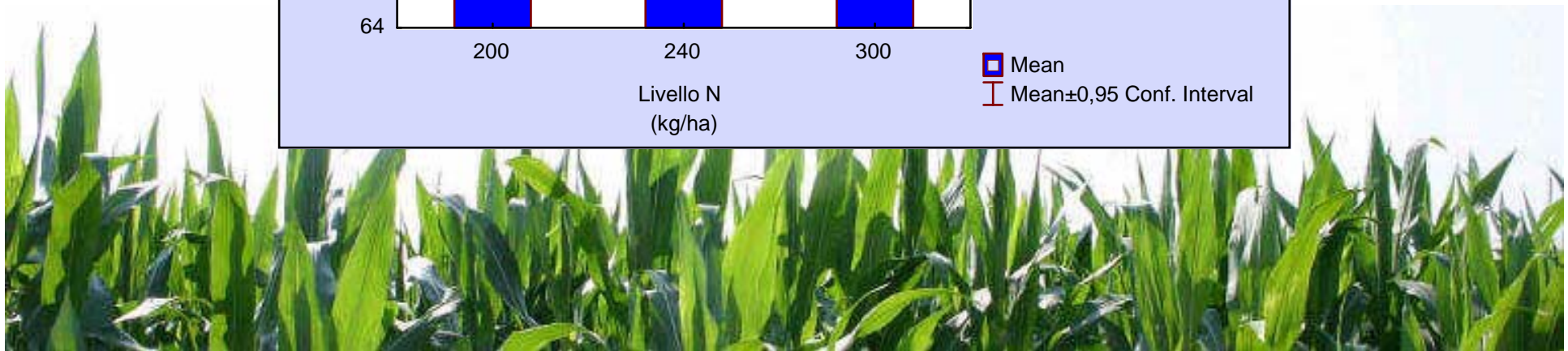
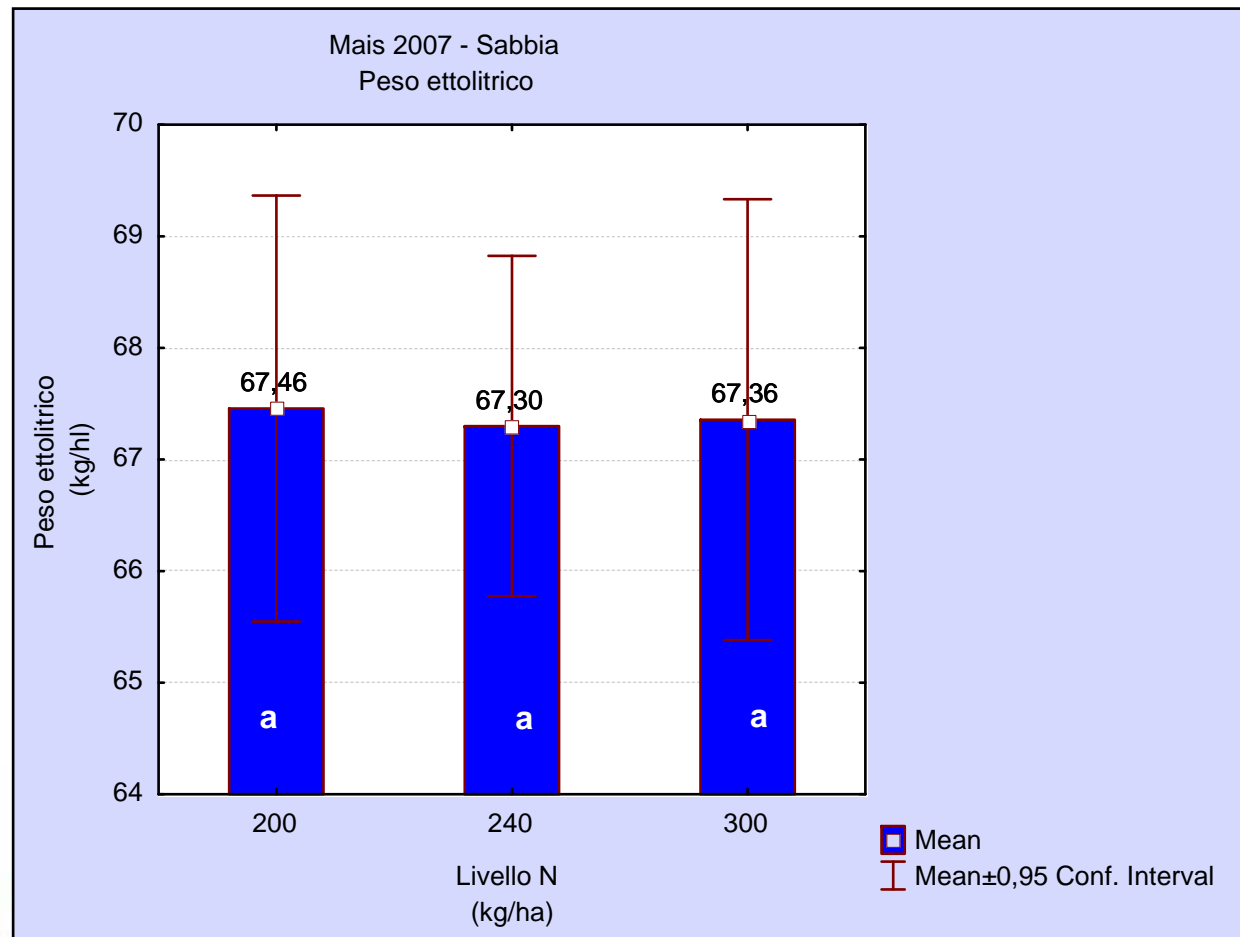
Mais 2007



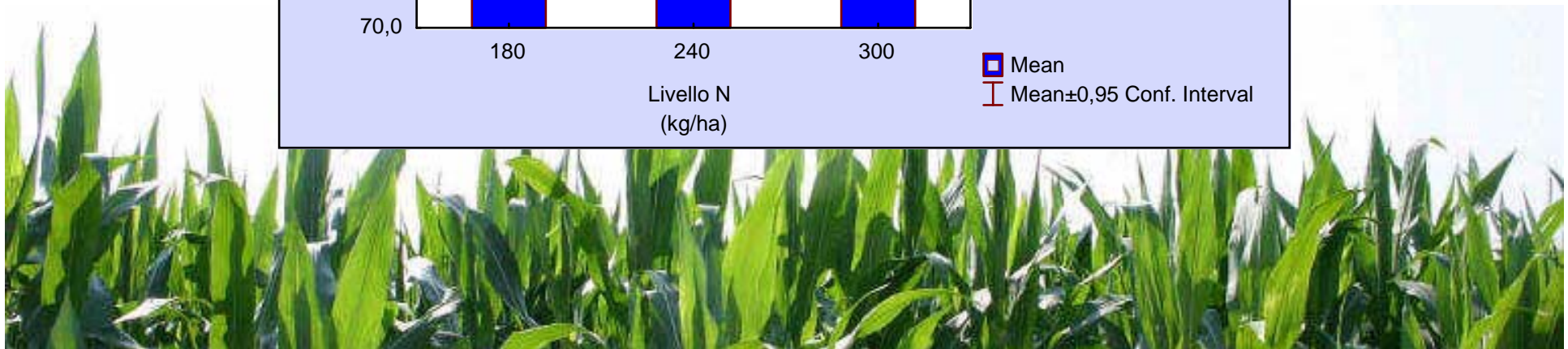
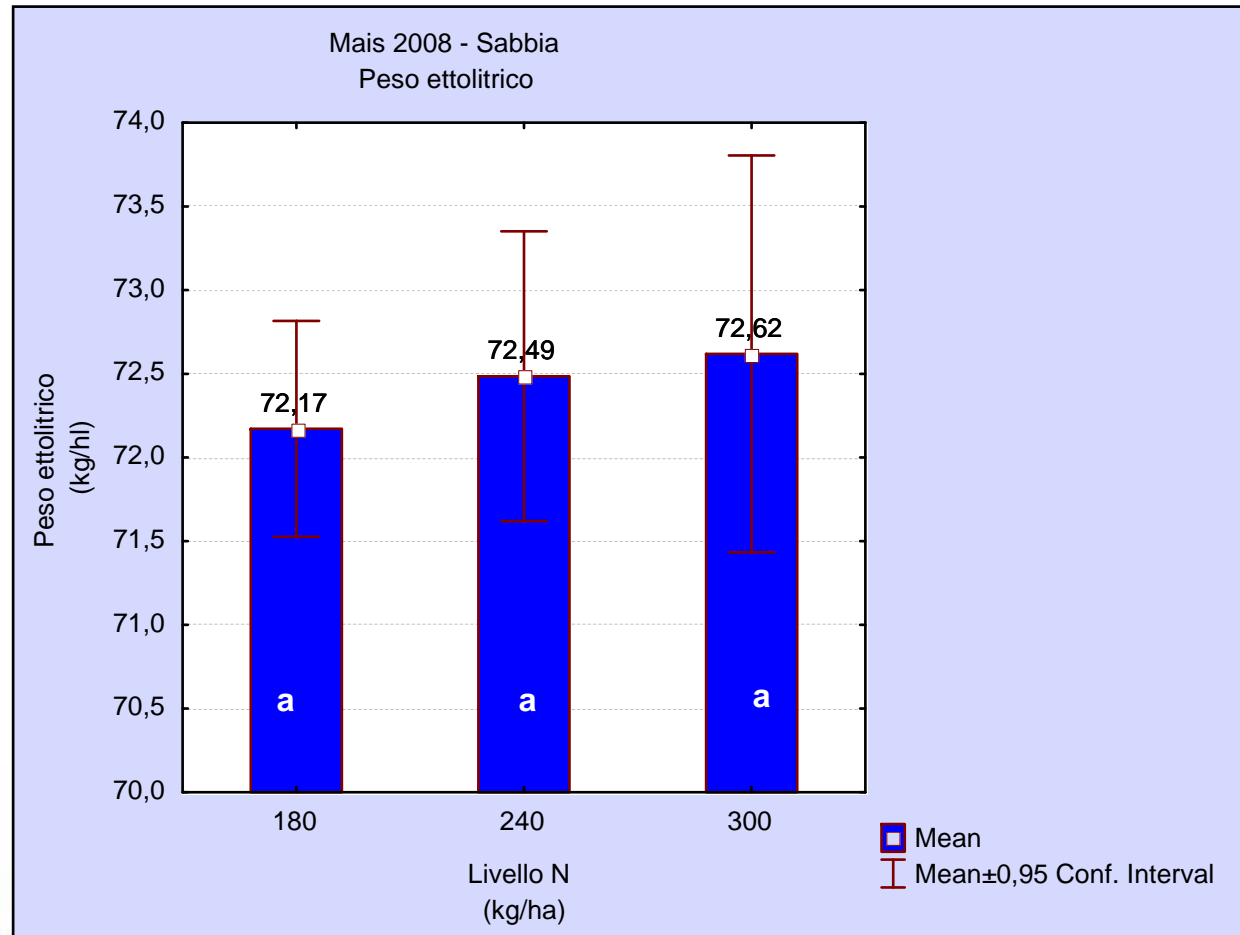
Mais 2008



Mais 2007



Mais 2008



Frumento 2008

Varietà	Società	Tipologia
Blasco	Co.Na.Se	Rosso
Palesio	S.I.S.	Rosso
Mieti	Solgea	Tenero
Trofeo	Venturoli	Tenero
Orobel	S.I.S.	Duro
Neodur	Apsovsementi	Duro
Saragolla	Soc. Prod. Sementi	Duro



Frumento 2008

Terreno	Precessione	Semina	Concimazione azotata						Raccolta
			Prima copertura		Seconda copertura		Terza copertura		
		Data	Data	%	Data	%	Data	%	Data
Argilla	Mais	7 Novembre	19 Febr.	40	19 Marzo	40	17 Aprile	20	4 Luglio
Medio impasto	Mais	7 Novembre	19 Febr.	40	19 Marzo	40	17 Aprile	20	3 Luglio
Torba	Mais	8 Novembre	21 Febr.	40	20 Marzo	40	18 Aprile	20	=
Sabbia	Radicchio	7 Novembre	21 Febr.	40	20 Marzo	40	18 Aprile	20	7 Luglio





Frumento - Rilievi

Aspetti agronomici

- Altezza pianta

- Allettamento (%)

Aspetti produttivi e qualitativi

- Produzione/ettaro (al 13% di umidità)

- Umidità alla raccolta

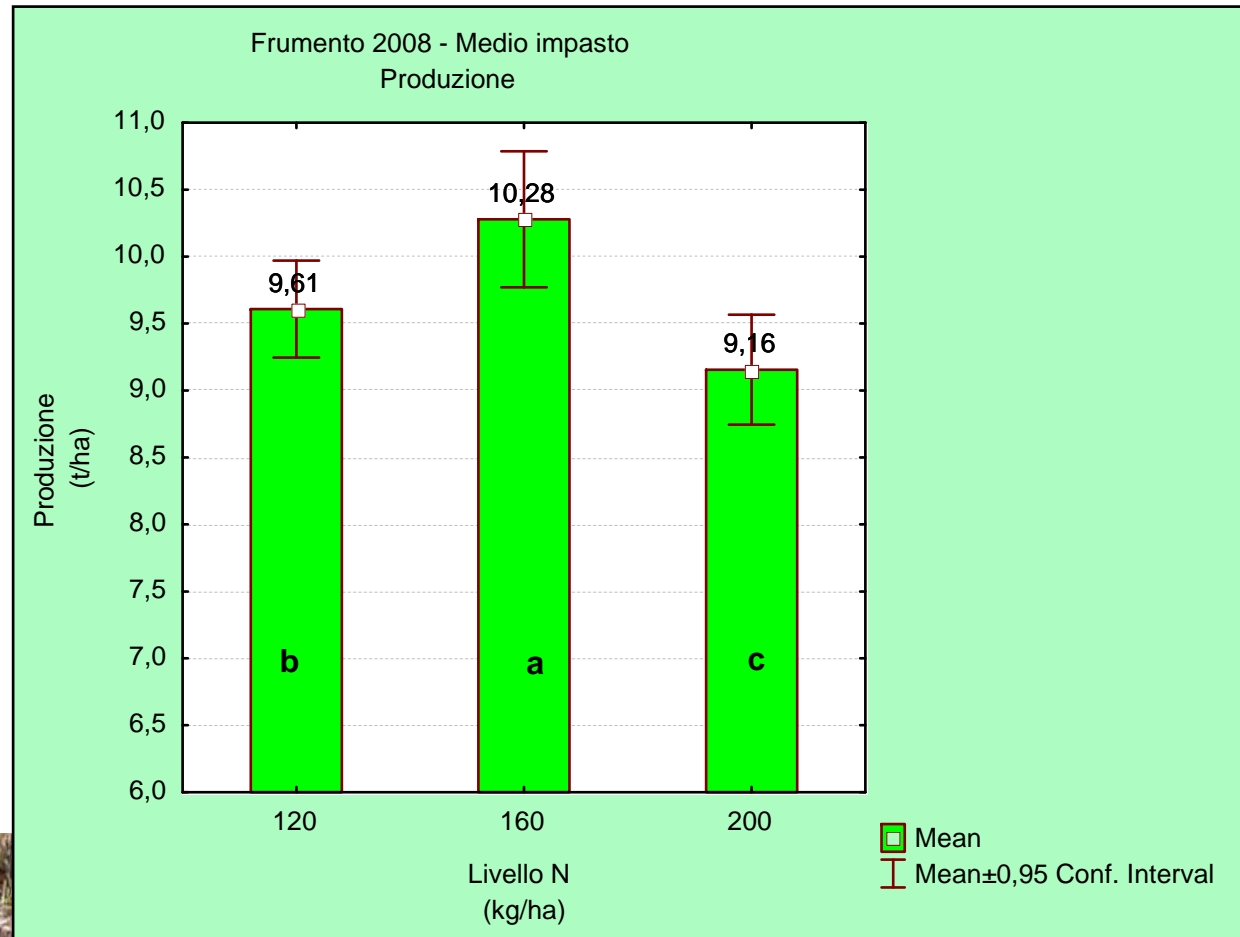
- Peso ettolitrico

- Peso 1000 semi

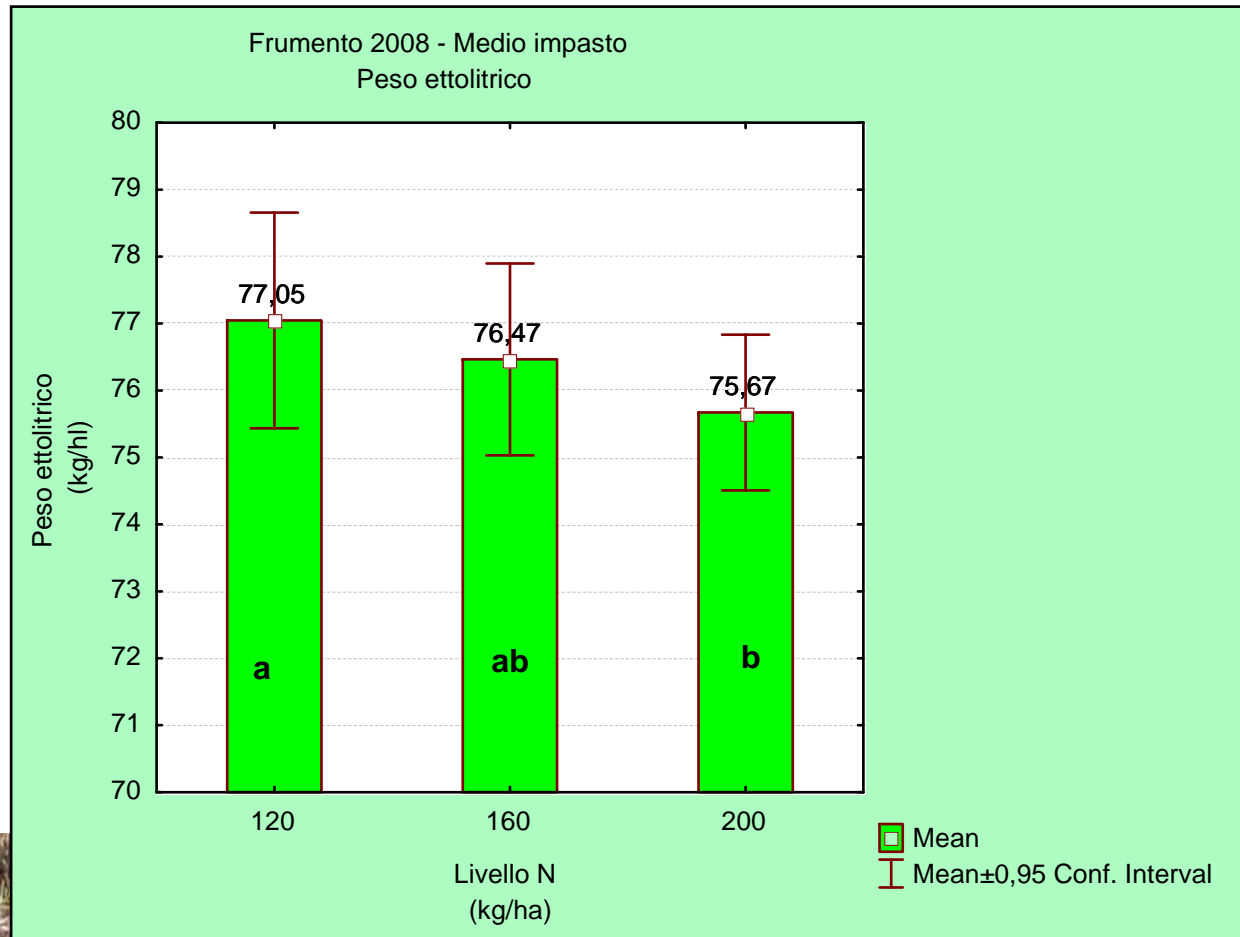
- Proteine (% - Metodo Kjeldal)



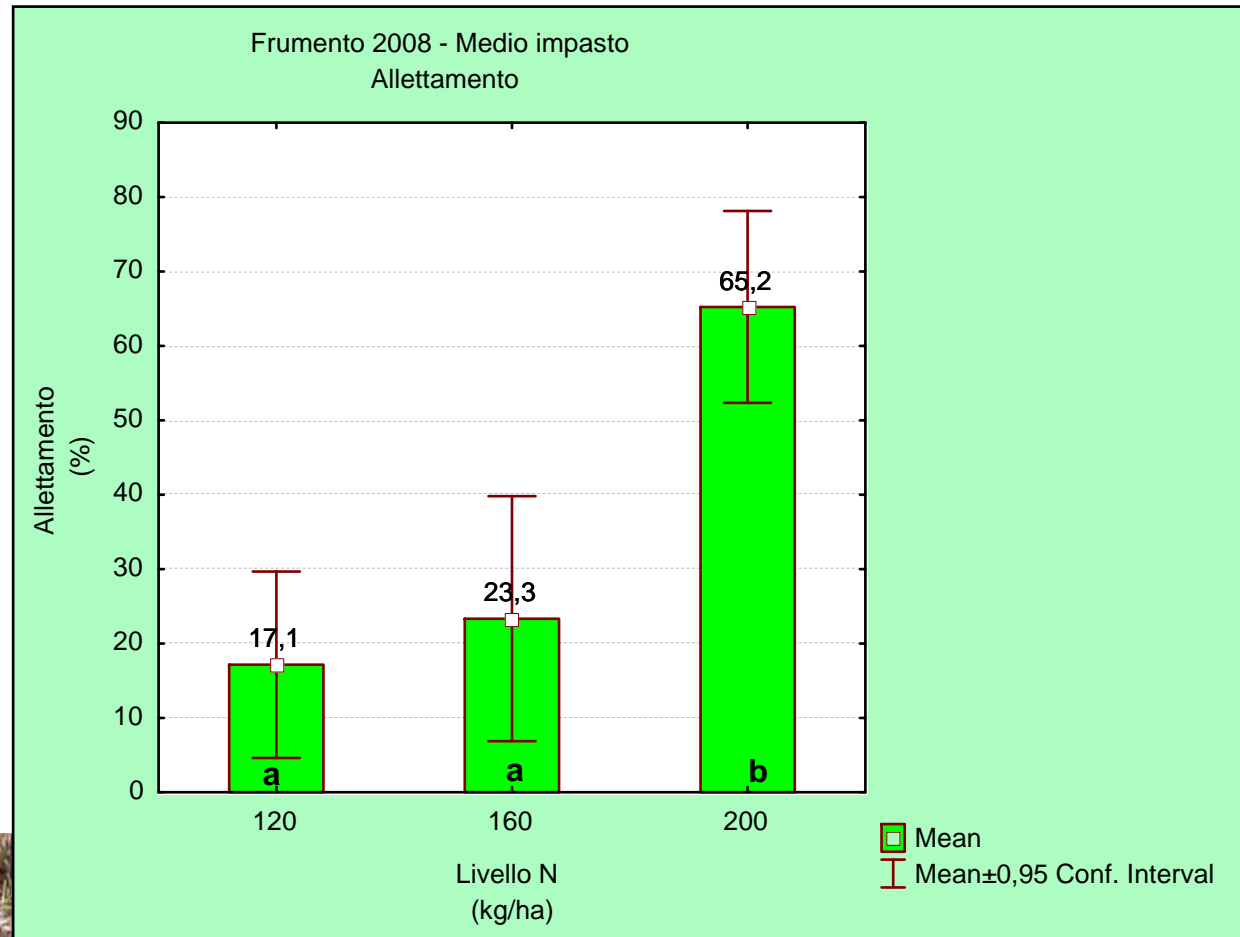
Frumento 2008



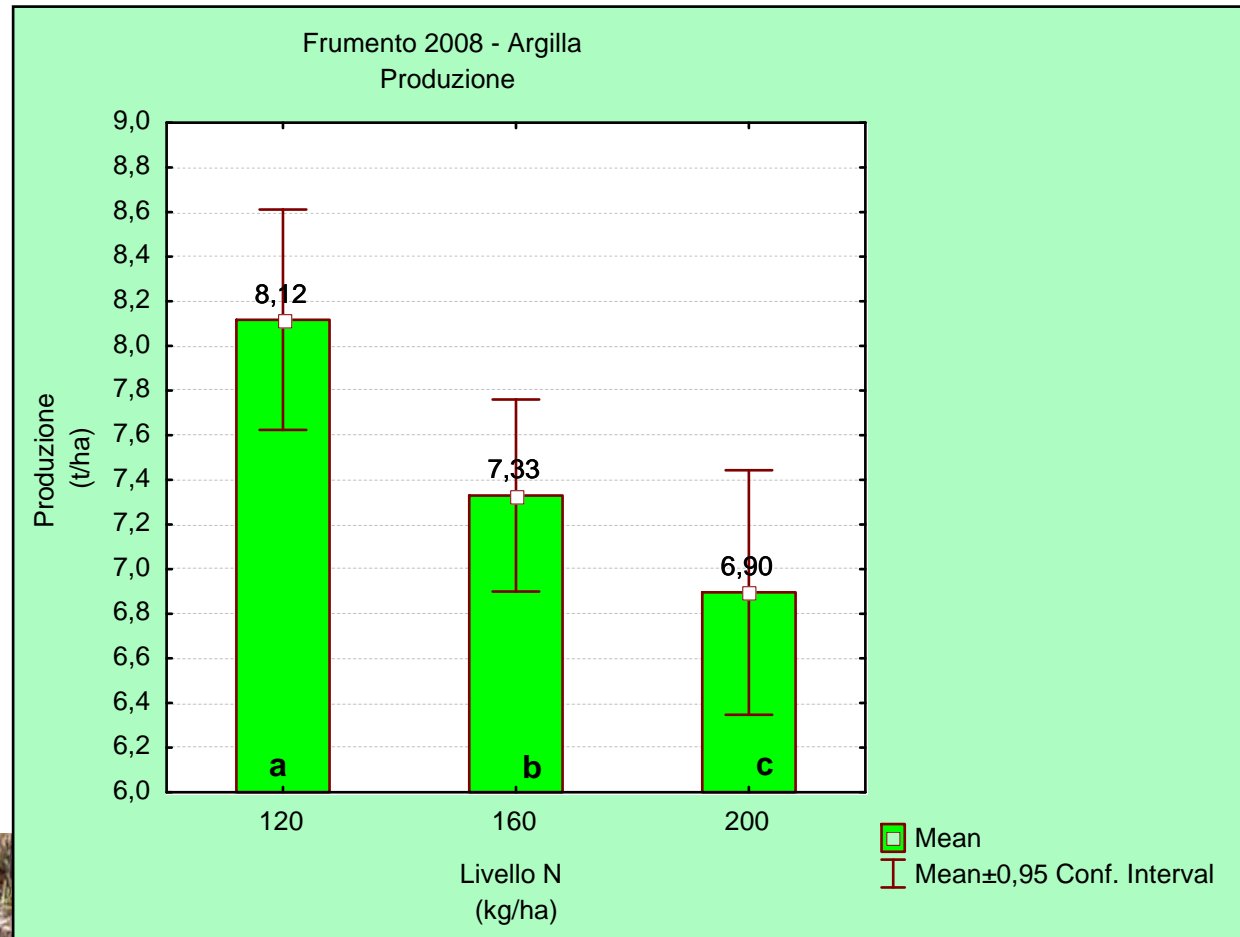
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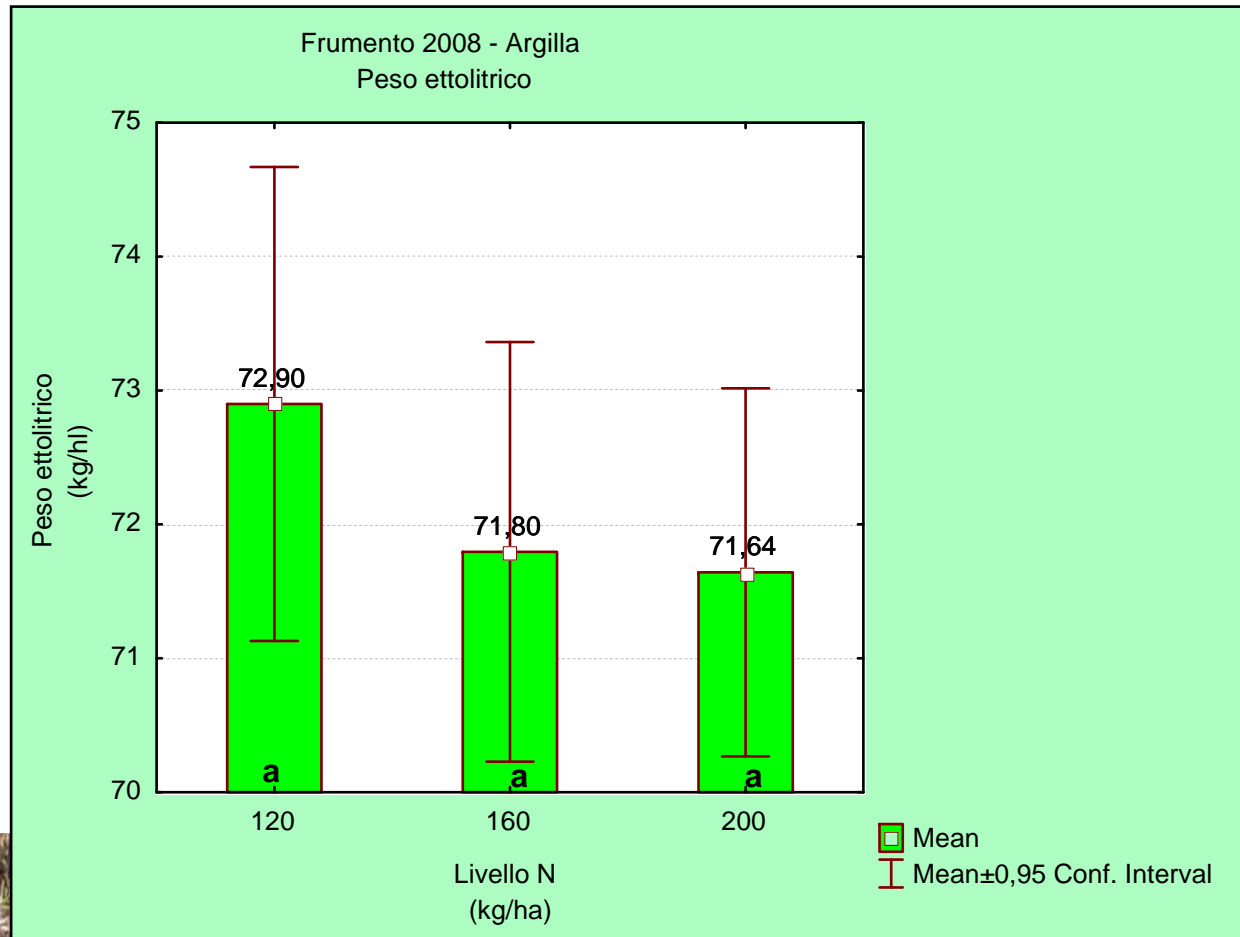
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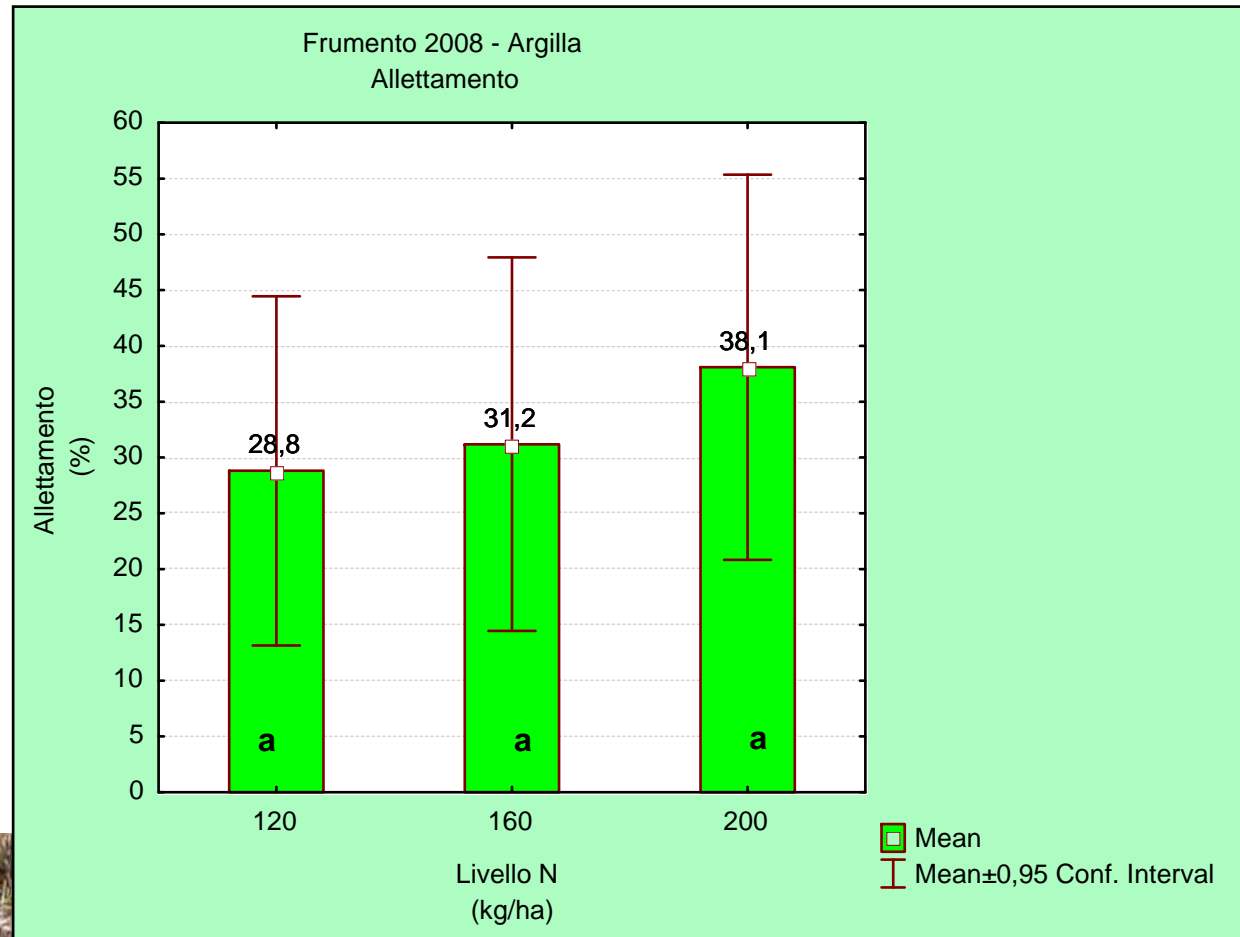
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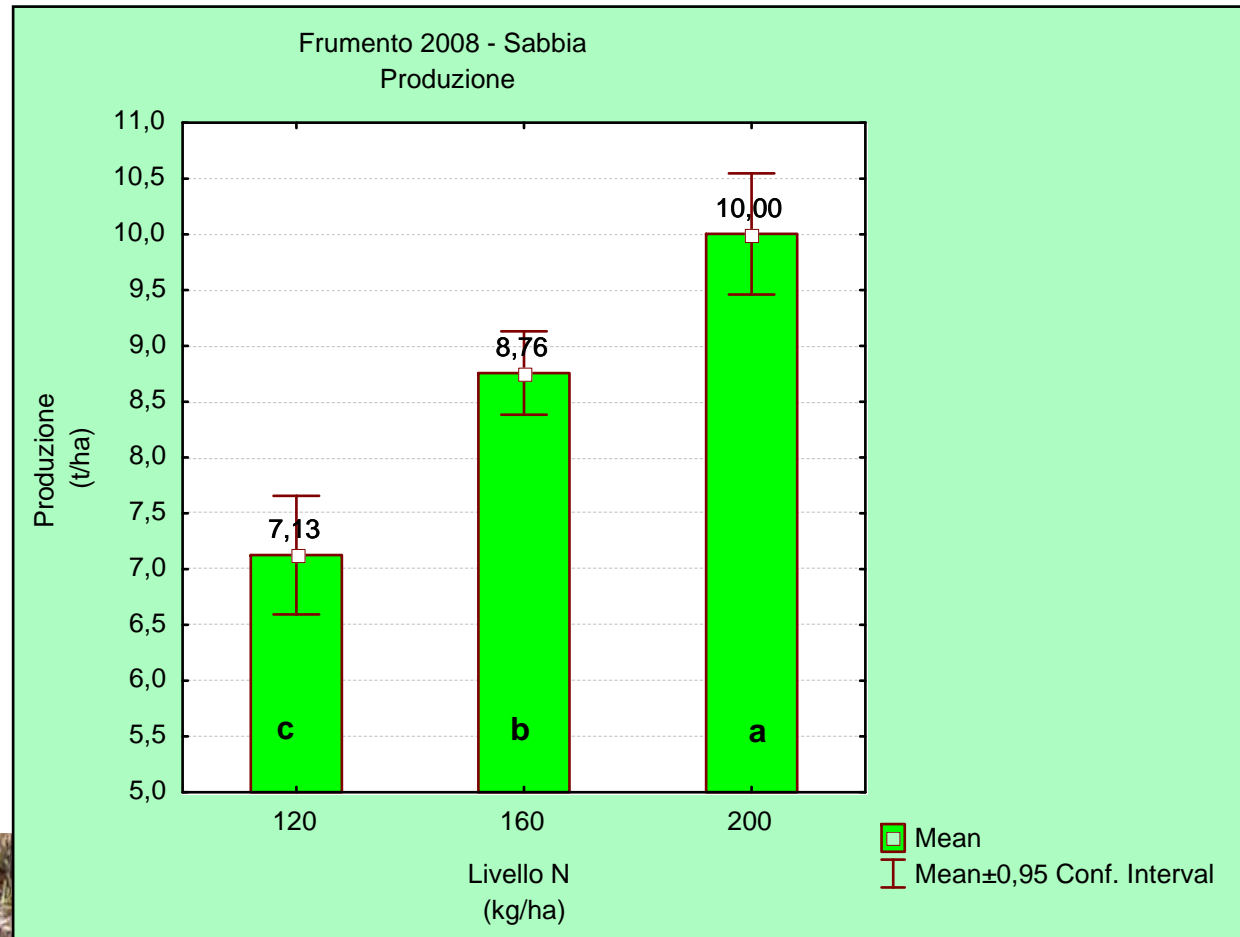
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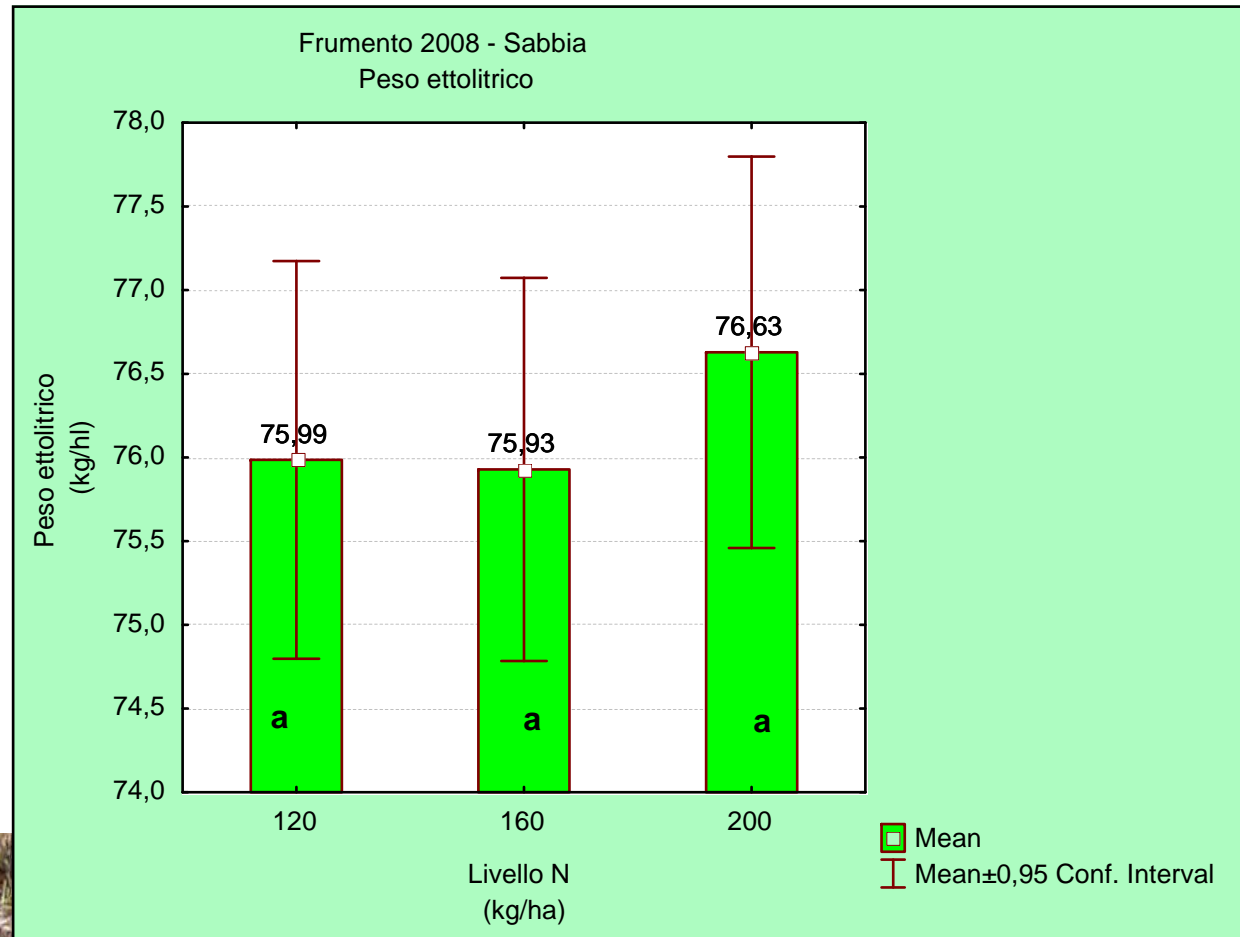
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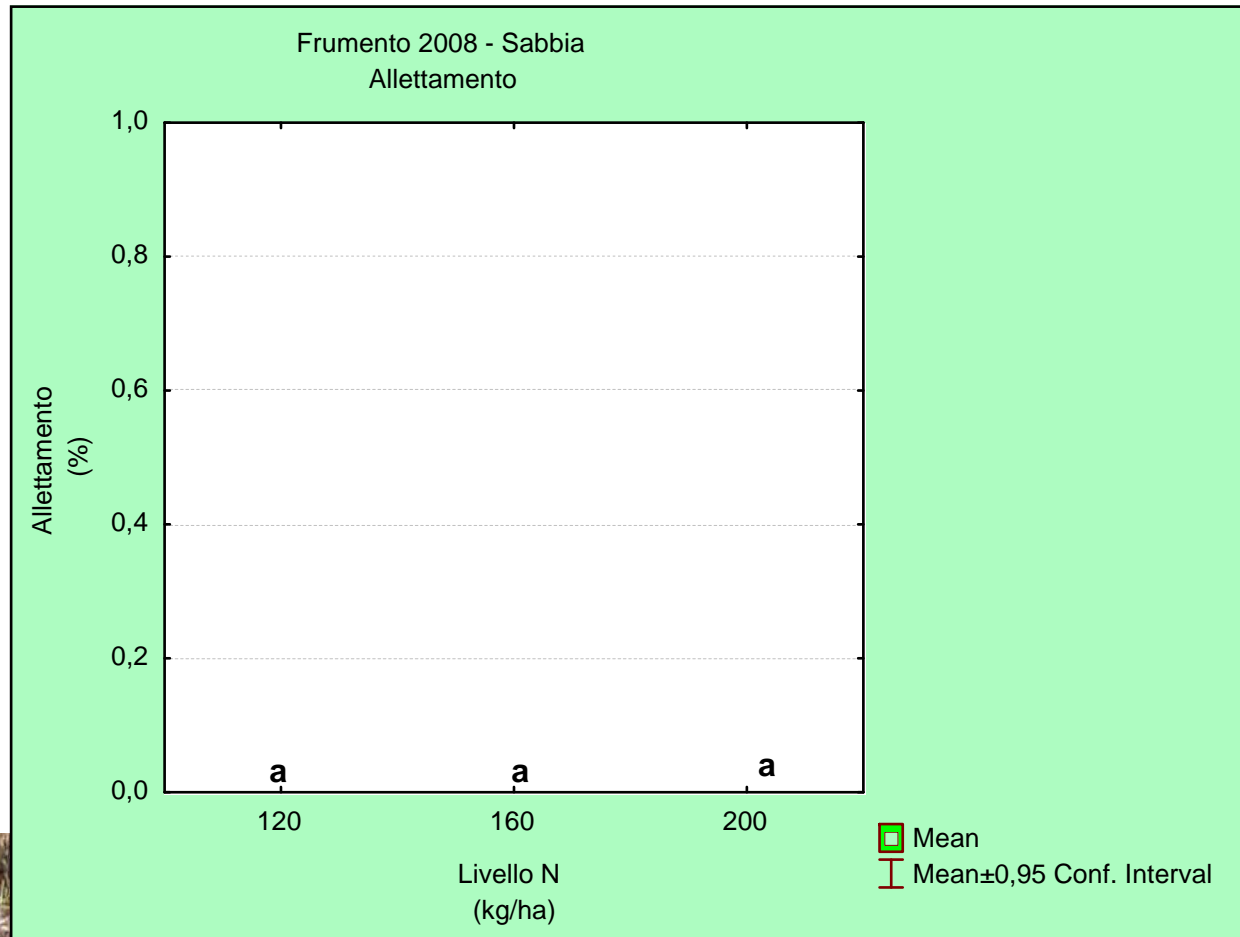
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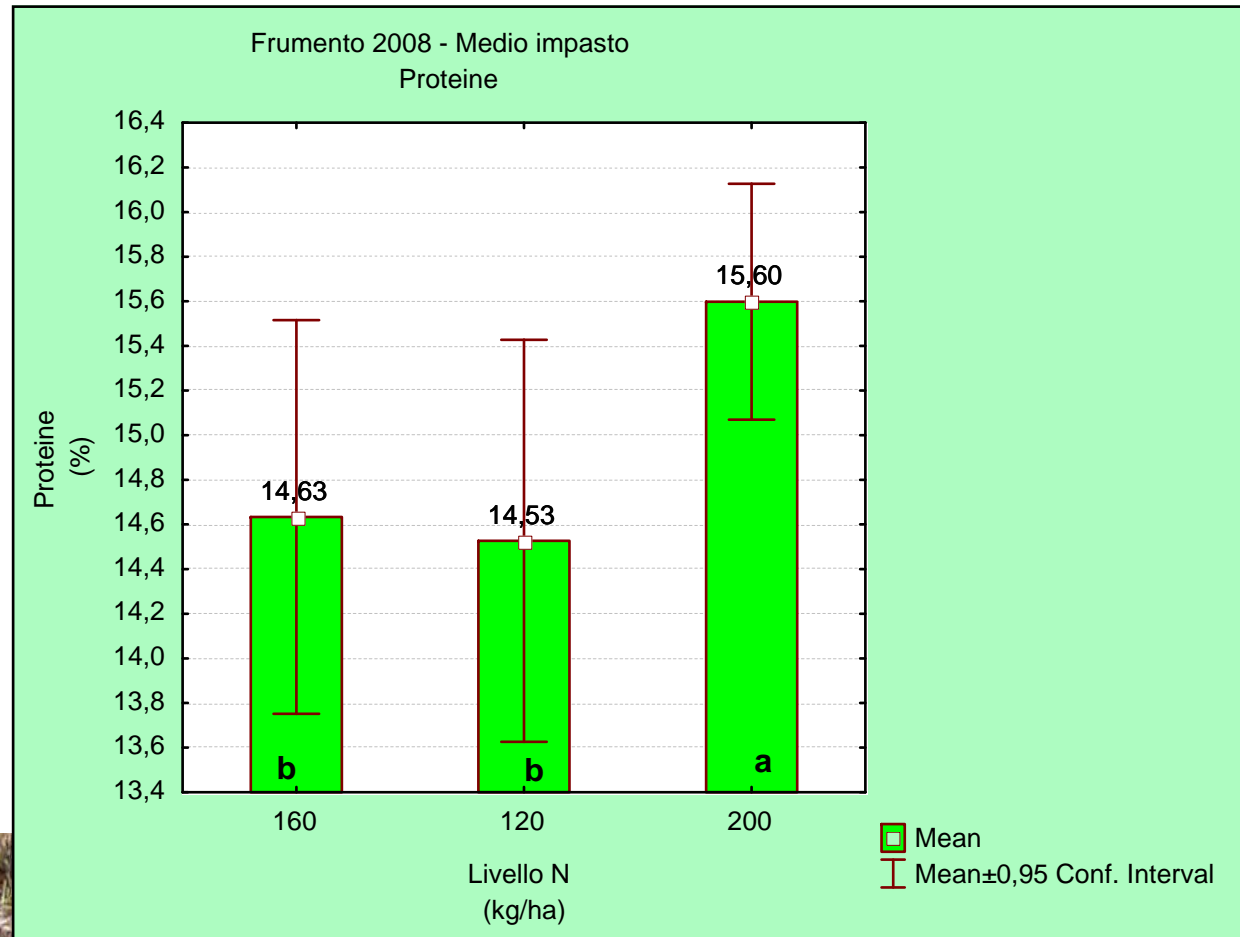
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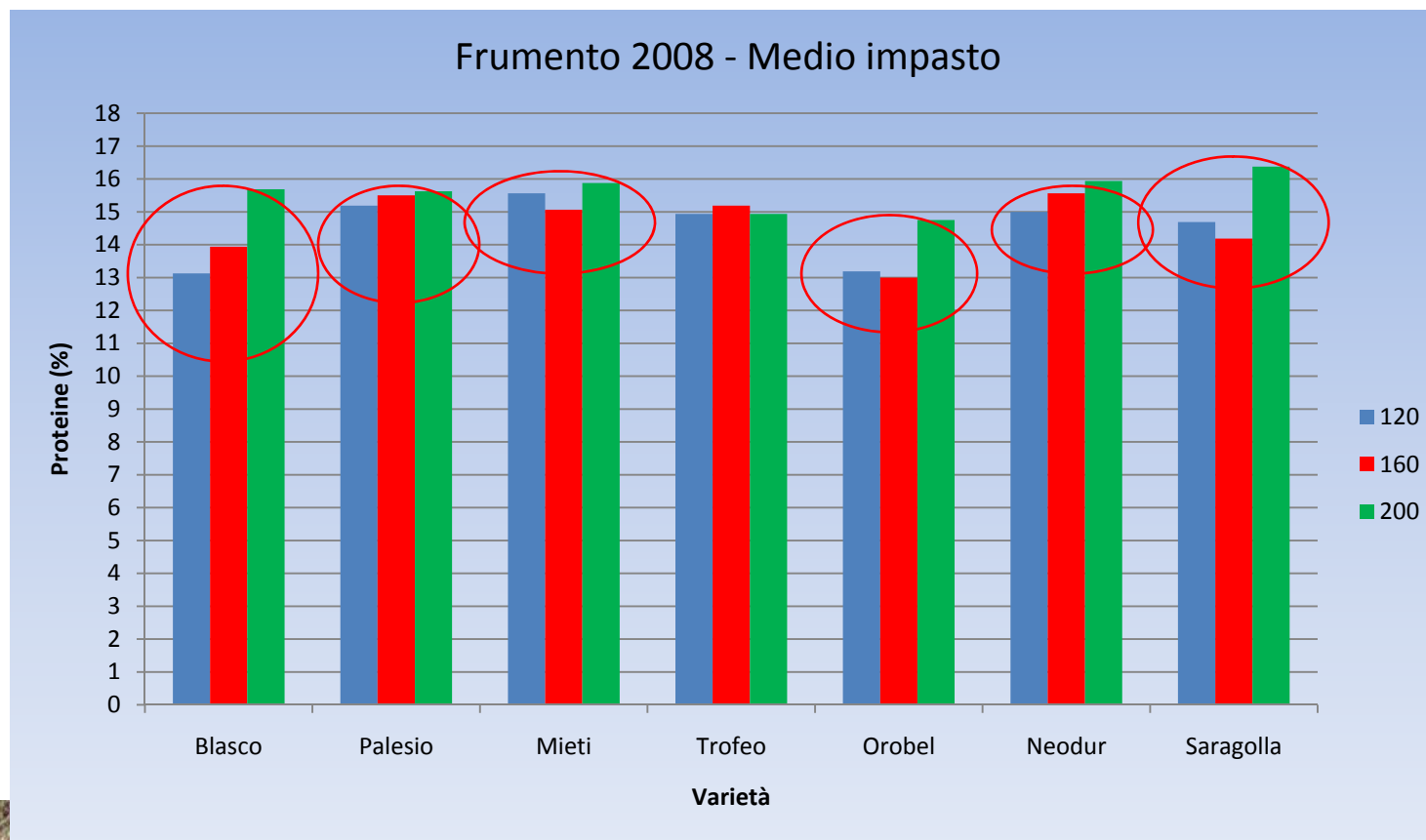
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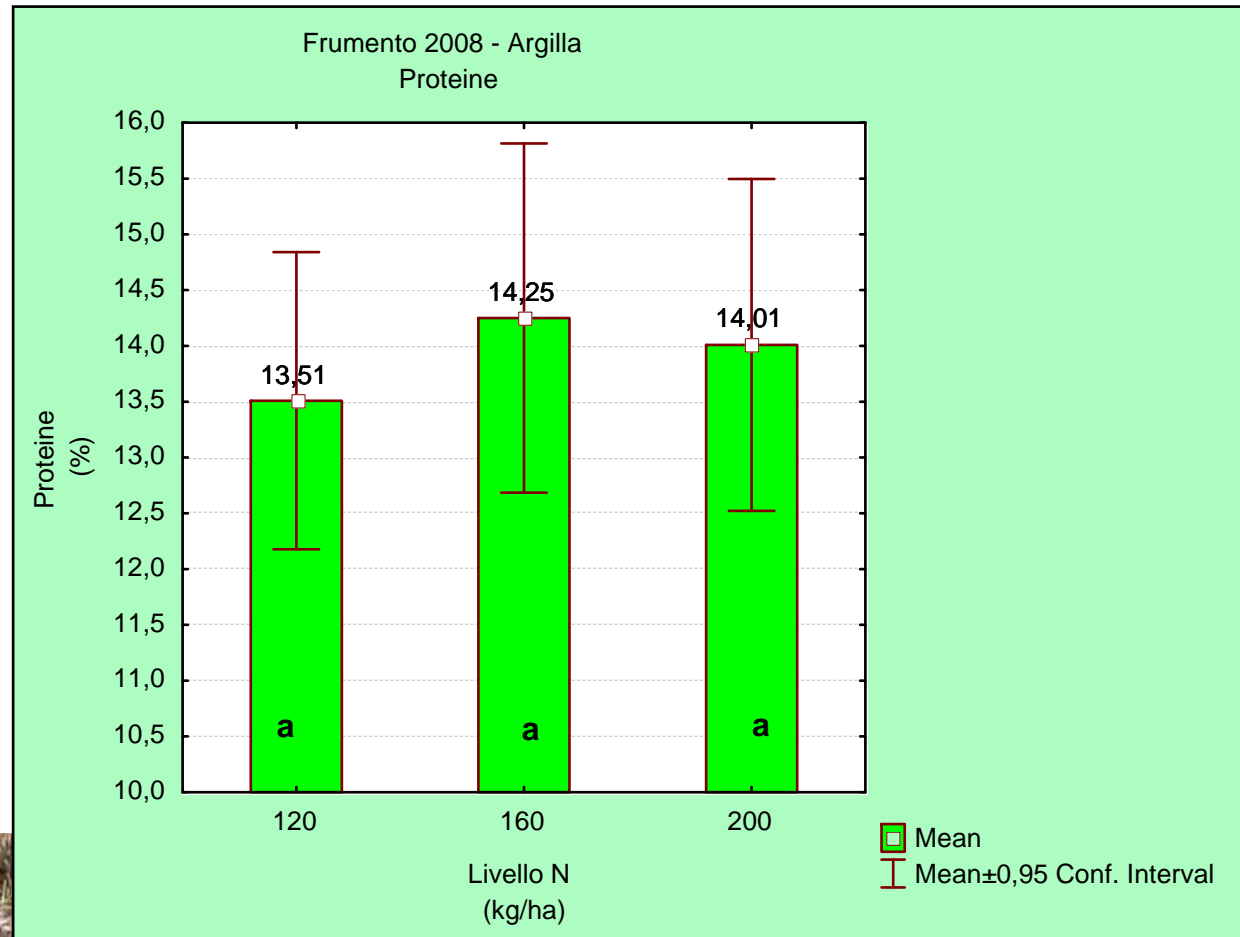
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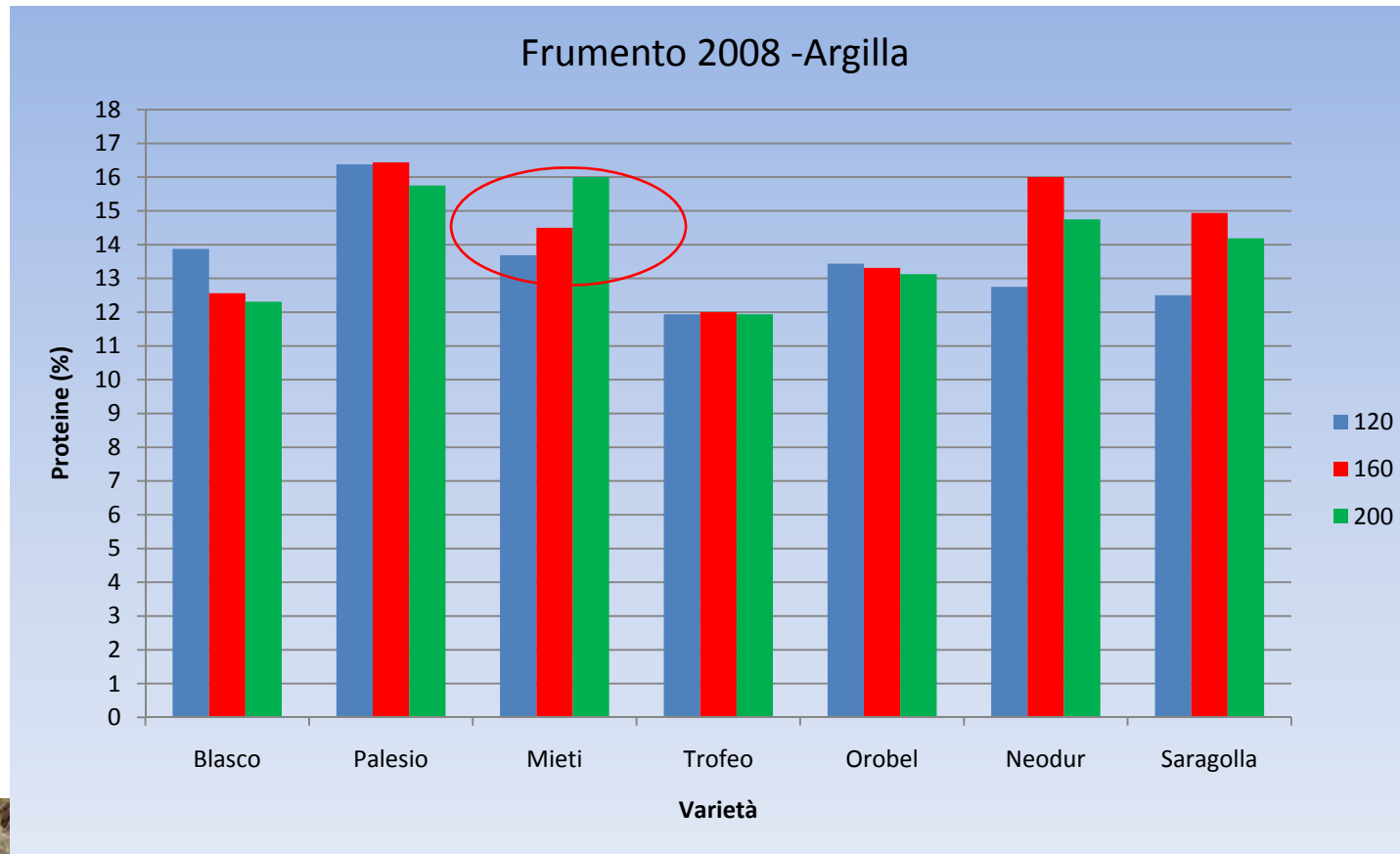
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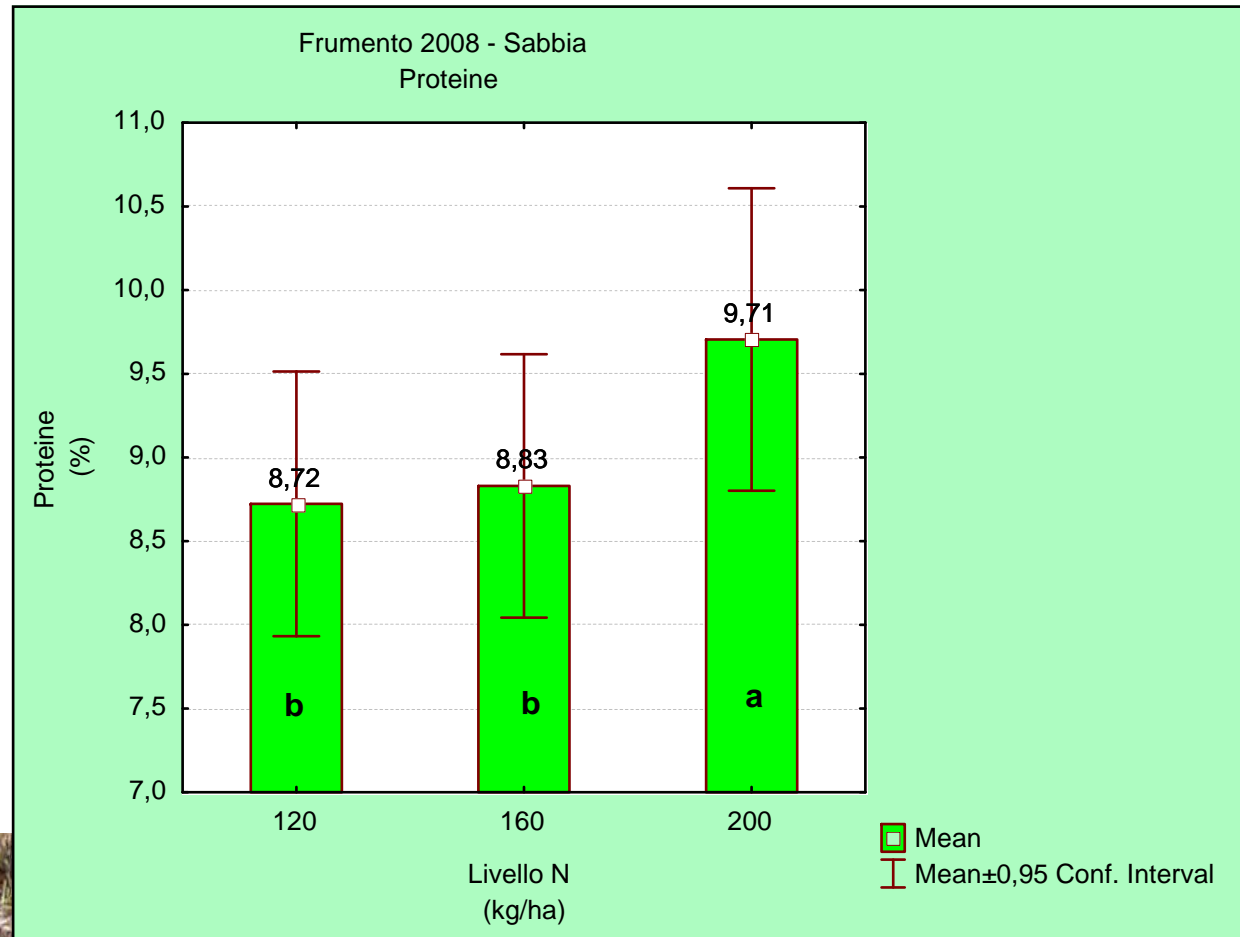
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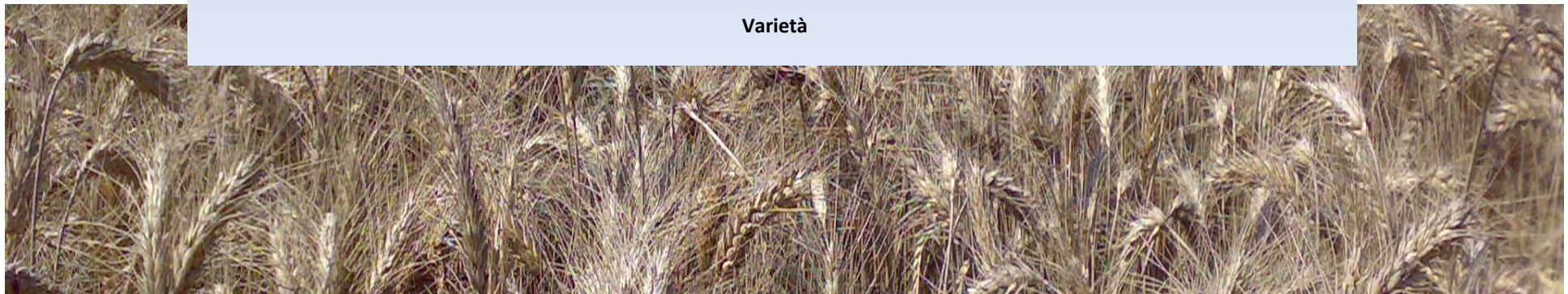
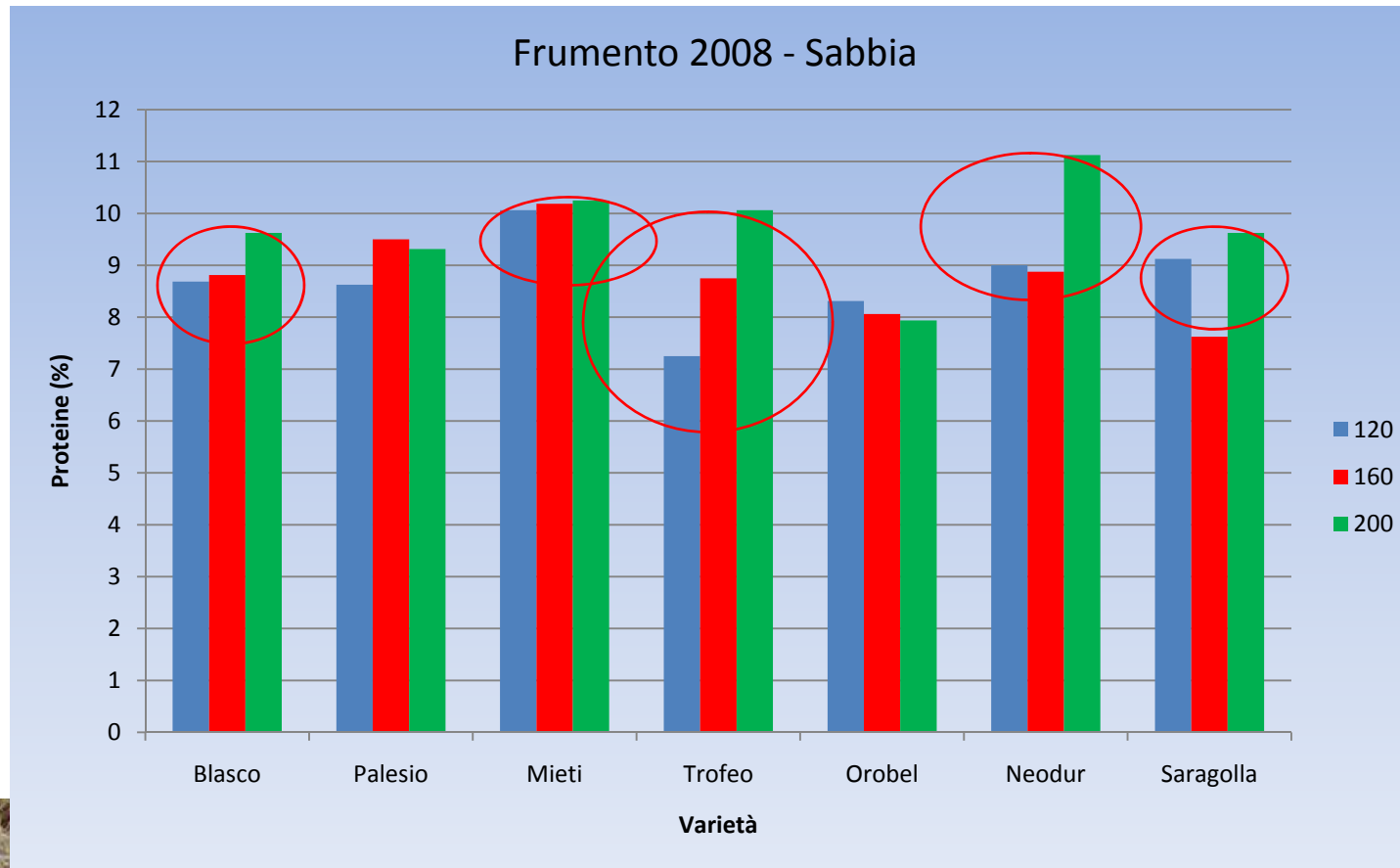
Frumento 2008



Frumento 2008



Frumento 2008



Prime considerazioni conclusive

Mais: differenze *produttive* fra i diversi livelli di concimazione azotata sono state rilevate in terreno di medio impasto ed in terreno argilloso.

In torba ed in sabbia le rese produttive sembrano, invece, indifferenti, in termini relativi, alla somministrazione di azoto.

Frumento: una risposta *produttiva* positiva alla concimazione azotata è stata rilevata solo in terreno sabbioso mentre una maggiore dotazione in azoto non sembra influire positivamente sul *peso ettolitrico*.

Il *contenuto proteico*, anche se non in maniera univoca, aumenta all'aumentare della somministrazione di azoto sia in terreno di medio impasto che in sabbia. Sembra, invece, indifferente, la risposta di questo parametro in terreno argilloso.



Un ringraziamento alle aziende:

Grossi Manrico

Pastorello Nicola

Samaritani Bruno

Telloli Antonio



Grazie per l'attenzione

