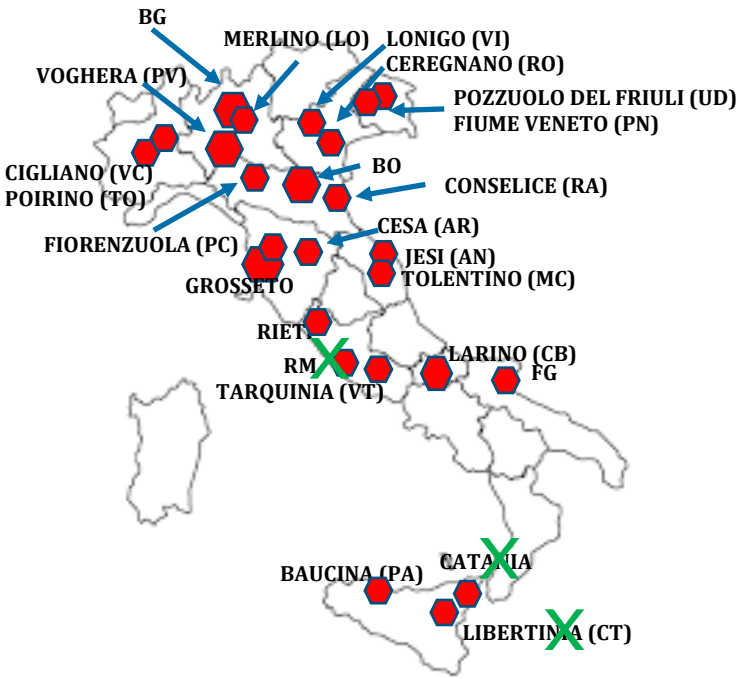
RETE NAZIONALE FRUMENTO TENERO 2023-24

Patrizia Vaccino
CREA-CI - Sede di Vercelli

SCHEMA SPERIMENTAZIONE

25 CAMPI DI PROVA



40 VARIETA'

ALAMPUR	FF	KWS FLEXUM	FP
APULIA	FF	SOLEHIO	FP
REBELDE	FF	ALAGIR	FP
SAN DOMINO	FF	ATLANTA	FP
BOLOGNA	FF	PROVIDENCE	FP
GIORGIONE	FF	ALTAMIRA	FP
NEFERTARI	FF	RGT FANDANGO	FP
KWS ALPINUM	FPS	RGT PANTONE	FP
KWS MILANUM	FPS	RGT SCRAMBLER	FP
ALGERI	FPS	FRIDA	FP
ARTEK	FPS	LG ARECIBO	FP
AZZURRA	FPS	LIGABUE	FP
GARBINO	FPS	SY PASSION	FP
Costanza D'Altavilla	FPS	SY SANLUCA	FP
Isabella	FPS	SY ROCINANTE	FP
SONATINE CS	FPS	SY OLEN	FP
RGT IMPAVIDO	FPS	SY LIRICO	FP
RGT MONTREAL	FPS	MODERN	FB
SU VERMILLON	FPS	DALI'	FB
PERUGINO	FPS		
SY NUVOLA	FPS		

PARCELLE 10 m^2 – 3 reps

Libertinia (CT)

PRODUZIONE (t/ha)

	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
NORD	**6.71**	8.46	7.84	8.48	6.94	7.91	6.69
CENTRO	**6.93**	5.91	5.01	6.43	6.55	7.26	6.09
SUD	**4.80**	5.67	4.79	5.42	3.53	5.38	2.89
MEDIA NAZ.	**6.56**	**6.68**	**5.88**	**7.31**	**6.11**	**7.20**	**5.98**

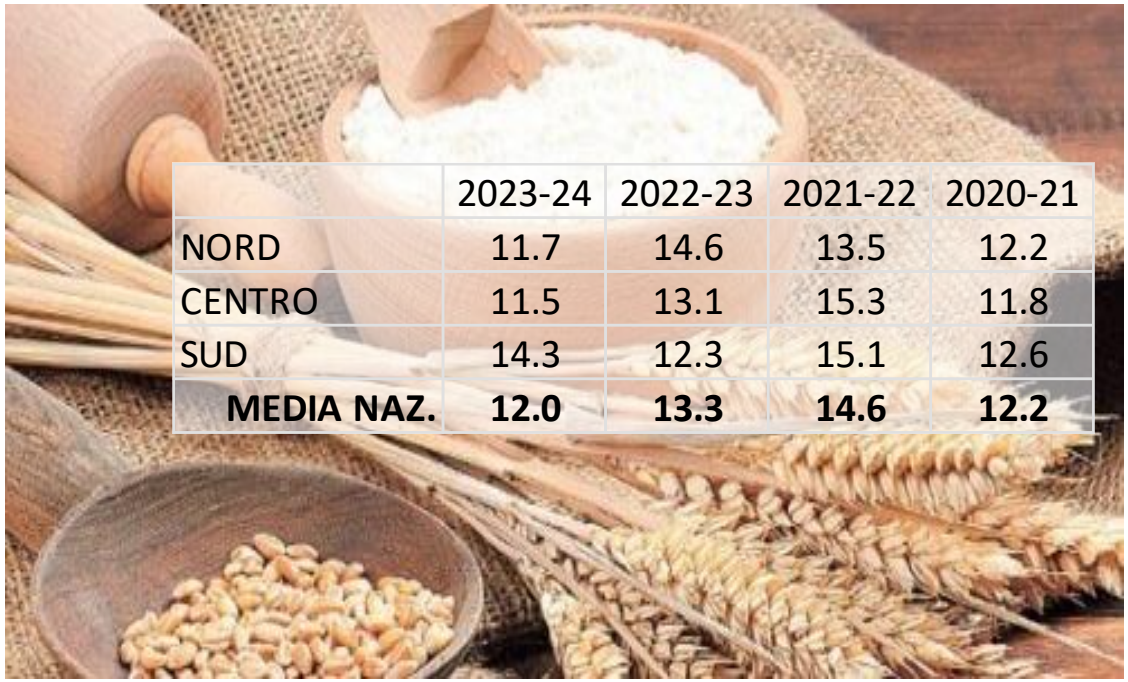
PESO ETTOLITRICO (Kg/hL)

	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19
NORD	**74.9**	75.4	78.0	77.5	77.4	75.8
CENTRO	**77.8**	75.4	76.8	82.4	80.2	78.7
SUD	**80.9**	74.3	74.9	78.8	74.8	76.7
MEDIA NAZ.	**76.4**	**75.0**	**76.6**	**79.6**	**77.5**	**77.1**

PESO 1000 SEMI (g)

	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19
NORD	**39.9**	39.5	35.2	39.7	40.6	40.1
CENTRO	**42.6**	36.1	28.8	37.0	40.5	37.7
SUD	**39.1**	31.9	26.3	30.4	28.0	34.5
MEDIA NAZ.	**40.7**	**35.8**	**30.1**	**35.7**	**36.4**	**37.4**

CONTENUTO PROTEICO (% s.s.)



	2023-24	2022-23	2021-22	2020-21
NORD	11.7	14.6	13.5	12.2
CENTRO	11.5	13.1	15.3	11.8
SUD	14.3	12.3	15.1	12.6
MEDIA NAZ.	**12.0**	**13.3**	**14.6**	**12.2**

Segnalazioni di scarsa qualità dai mulini

Che sia lui l'indiziato?

Michrodochium nivale

International Journal of Food Microbiology 331 (2020) 108712

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journal homepage: www.elsevier.com/locate/ijfoodmicro

Microdochium majus and other fungal pathogens associated with reduced gluten quality in wheat grain

Heidi Udnes Aamot[a,*], Erik Lysøe[a], Shiori Koga[b], Katherine Ann Gredvig Nielsen[a,c], Ulrike Böcker[b], Guro Brodal[a], Ruth Dill-Macky[a,d], Anne Kjersti Uhlen[b,c], Ingerd Skow Hofgaard[a]

Journal of Cereal Science

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ry 2020, 102865

Environmental factors associated with glutenin polymer assembly during grain maturation

S. Koga [a], H.U. Aamot [b], A.K. Uhlen [a c], T. Seehusen [d], E. Veiseth-Kent [a], I.S. Hofgaard [b], A. Moldestad [e], U. Böcker [a]

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Highlights

- Increased grain moisture due to rain caused the reduction in polymer size.
- Glutenin polymer assembly failed to occur in grain from the *Fusarium*-inoculated field.
- Fungal proteases may cause disassembly of glutenin polymers.
- A combination of rain and fungal infection had adverse effect on polymer assembly.

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