

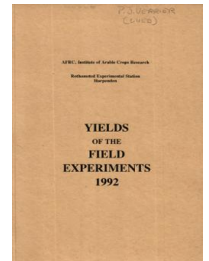
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Yields of the Field Experiments 1992

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92/R/WW/3 N and Crop Physiology - W. Wheat

Rothamsted Research

Rothamsted Research (1993) *92/R/WW/3 N and Crop Physiology - W. Wheat* ; Yields Of The Field Experiments 1992, pp 107 - 109 - DOI: <https://doi.org/10.23637/ERADOC-1-47>

92/R/WW/3

NOTE: Soils were sampled to 90 cm depth for ammonium and nitrate contents on three occasions between mid-October and late February. Stem nitrate concentrations were measured at fortnightly intervals from November to April. Lodging was assessed in June and July. Components of yield were measured after hand harvesting in late July.

GRAIN TONNES/HECTARE

***** Tables of means *****

AUT N	NONE	50	Mean			
SOW DATE						
EARLY	7.24	7.35	7.29			
LATE	6.96	6.47	6.72			
Mean	7.10	6.91	7.01			
SPRING N	NONE	N1	N2	N2L	Mean	
SOW DATE						
EARLY	6.07	7.79	6.99	8.31	7.29	
LATE	5.54	7.44	6.40	7.51	6.72	
Mean	5.80	7.62	6.69	7.91	7.01	
SPRING N	NONE	N1	N2	N2L	Mean	
AUT N						
NONE	5.10	7.76	7.22	8.32	7.10	
50	6.51	7.47	6.17	7.49	6.91	
Mean	5.80	7.62	6.69	7.91	7.01	
SOW DATE	AUT N	SPRING N	NONE	N1	N2	N2L
EARLY	NONE		5.12	7.77	7.56	8.50
	50		7.03	7.82	6.42	8.12
LATE	NONE		5.08	7.76	6.88	8.14
	50		6.00	7.11	5.92	6.87

*** Standard errors of differences of means ***

SOW DATE	AUT N	SPRING N	SOW DATE
			AUT N
0.095	0.095	0.134	0.134
SOW DATE	AUT N	SOW DATE	
SPRING N	SPRING N	AUT N	
		SPRING N	
0.189	0.189	0.268	

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	30	0.328	4.7

GRAIN MEAN DM% 86.1

92/R/WW/3

STRAW TONNES/HECTARE

***** Tables of means *****

AUT N		NONE	50	Mean		
SOW DATE						
EARLY		6.91	8.40	7.66		
LATE		6.66	7.46	7.06		
Mean		6.78	7.93	7.36		
SPRING N		NONE	N1	N2	N2L	Mean
SOW DATE						
EARLY		5.70	8.28	8.78	7.87	7.66
LATE		4.70	7.64	7.97	7.93	7.06
Mean		5.20	7.96	8.37	7.90	7.36
SPRING N		NONE	N1	N2	N2L	Mean
AUT N						
NONE		3.88	7.58	8.39	7.28	6.78
50		6.51	8.35	8.35	8.52	7.93
Mean		5.20	7.96	8.37	7.90	7.36
SOW DATE	AUT N	SPRING N	NONE	N1	N2	N2L
EARLY	NONE		3.95	7.66	8.69	7.34
	50		7.44	8.91	8.87	8.40
LATE	NONE		3.81	7.50	8.10	7.23
	50		5.58	7.78	7.84	8.64

STRAW MEAN DM% 81.9

PLOT AREA HARVESTED 0.00322