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RESEARCH

Yields of the Field Experiments 1966

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66/R/LL/C/3 and 66/W/WLL/C/3 Long-term Liming - Barley

Rothamsted Research

Rothamsted Research (1967) *66/R/LL/C/3 and 66/W/WLL/C/3 Long-term Liming - Barley* ; Yields Of The Field Experiments 1966, pp 127 - 129 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/c/3.3

STACKYARD SERIES C (W)

GRAIN

	CA0	CA2	CA4	CA8	Mean
Mean (± 0.45)	36.9	39.5	41.0	40.9	39.6
-		(± 0.63)			(± 0.32)
P	34.9	39.1	40.2	39.9	38.5
	38.9	39.9	41.9	42.0	40.7
-	36.6	38.8	41.1	40.6	39.3
K	37.1	40.2	40.9	41.3	39.9
	-	P			
	(± 0.45)				
-	38.9	39.7			
K	38.2	41.6			

Mean D.M. %: 86.3

D-15-158

(W) B USIDE GRADUATE

MIASO

Year	2010	2011	2012	2013	2014	2015
2010	0.10	0.11	0.12	0.13	0.14	0.15
2011	0.12	0.13	0.14	0.15	0.16	0.17
2012	0.13	0.14	0.15	0.16	0.17	0.18
2013	0.14	0.15	0.16	0.17	0.18	0.19
2014	0.15	0.16	0.17	0.18	0.19	0.20
2015	0.16	0.17	0.18	0.19	0.20	0.21
2016	0.17	0.18	0.19	0.20	0.21	0.22
2017	0.18	0.19	0.20	0.21	0.22	0.23
2018	0.19	0.20	0.21	0.22	0.23	0.24
2019	0.20	0.21	0.22	0.23	0.24	0.25
2020	0.21	0.22	0.23	0.24	0.25	0.26
2021	0.22	0.23	0.24	0.25	0.26	0.27
2022	0.23	0.24	0.25	0.26	0.27	0.28
2023	0.24	0.25	0.26	0.27	0.28	0.29
2024	0.25	0.26	0.27	0.28	0.29	0.30
2025	0.26	0.27	0.28	0.29	0.30	0.31
2026	0.27	0.28	0.29	0.30	0.31	0.32
2027	0.28	0.29	0.30	0.31	0.32	0.33
2028	0.29	0.30	0.31	0.32	0.33	0.34
2029	0.30	0.31	0.32	0.33	0.34	0.35
2030	0.31	0.32	0.33	0.34	0.35	0.36
2031	0.32	0.33	0.34	0.35	0.36	0.37
2032	0.33	0.34	0.35	0.36	0.37	0.38
2033	0.34	0.35	0.36	0.37	0.38	0.39
2034	0.35	0.36	0.37	0.38	0.39	0.40
2035	0.36	0.37	0.38	0.39	0.40	0.41
2036	0.37	0.38	0.39	0.40	0.41	0.42
2037	0.38	0.39	0.40	0.41	0.42	0.43
2038	0.39	0.40	0.41	0.42	0.43	0.44
2039	0.40	0.41	0.42	0.43	0.44	0.45
2040	0.41	0.42	0.43	0.44	0.45	0.46
2041	0.42	0.43	0.44	0.45	0.46	0.47
2042	0.43	0.44	0.45	0.46	0.47	0.48
2043	0.44	0.45	0.46	0.47	0.48	0.49
2044	0.45	0.46	0.47	0.48	0.49	0.50
2045	0.46	0.47	0.48	0.49	0.50	0.51
2046	0.47	0.48	0.49	0.50	0.51	0.52
2047	0.48	0.49	0.50	0.51	0.52	0.53
2048	0.49	0.50	0.51	0.52	0.53	0.54
2049	0.50	0.51	0.52	0.53	0.54	0.55
2050	0.51	0.52	0.53	0.54	0.55	0.56
2051	0.52	0.53	0.54	0.55	0.56	0.57
2052	0.53	0.54	0.55	0.56	0.57	0.58
2053	0.54	0.55	0.56	0.57	0.58	0.59
2054	0.55	0.56	0.57	0.58	0.59	0.60
2055	0.56	0.57	0.58	0.59	0.60	0.61
2056	0.57	0.58	0.59	0.60	0.61	0.62
2057	0.58	0.59	0.60	0.61	0.62	0.63
2058	0.59	0.60	0.61	0.62	0.63	0.64
2059	0.60	0.61	0.62	0.63	0.64	0.65
2060	0.61	0.62	0.63	0.64	0.65	0.66
2061	0.62	0.63	0.64	0.65	0.66	0.67
2062	0.63	0.64	0.65	0.66	0.67	0.68
2063	0.64	0.65	0.66	0.67	0.68	0.69
2064	0.65	0.66	0.67	0.68	0.69	0.70
2065	0.66	0.67	0.68	0.69	0.70	0.71
2066	0.67	0.68	0.69	0.70	0.71	0.72
2067	0.68	0.69	0.70	0.71	0.72	0.73
2068	0.69	0.70	0.71	0.72	0.73	0.74
2069	0.70	0.71	0.72	0.73	0.74	0.75
2070	0.71	0.72	0.73	0.74	0.75	0.76
2071	0.72	0.73	0.74	0.75	0.76	0.77
2072	0.73	0.74	0.75	0.76	0.77	0.78
2073	0.74	0.75	0.76	0.77	0.78	0.79
2074	0.75	0.76	0.77	0.78	0.79	0.80
2075	0.76	0.77	0.78	0.79	0.80	0.81
2076	0.77	0.78	0.79	0.80	0.81	0.82
2077	0.78	0.79	0.80	0.81	0.82	0.83
2078	0.79	0.80	0.81	0.82	0.83	0.84
2079	0.80	0.81	0.82	0.83	0.84	0.85
2080	0.81	0.82	0.83	0.84	0.85	0.86
2081	0.82	0.83	0.84	0.85	0.86	0.87
2082	0.83	0.84	0.85	0.86	0.87	0.88
2083	0.84	0.85	0.86	0.87	0.88	0.89
2084	0.85	0.86	0.87	0.88	0.89	0.90
2085	0.86	0.87	0.88	0.89	0.90	0.91
2086	0.87	0.88	0.89	0.90	0.91	0.92
2087	0.88	0.89	0.90	0.91	0.92	0.93
2088	0.89	0.90	0.91	0.92	0.93	0.94
2089	0.90	0.91	0.92	0.93	0.94	0.95
2090	0.91	0.92	0.93	0.94	0.95	0.96
2091	0.92	0.93	0.94	0.95	0.96	0.97
2092	0.93	0.94	0.95	0.96	0.97	0.98
2093	0.94	0.95	0.96	0.97	0.98	0.99
2094	0.95	0.96	0.97	0.98	0.99	1.00
2095	0.96	0.97	0.98	0.99	1.00	1.01
2096	0.97	0.98	0.99	1.00	1.01	1.02
2097	0.98	0.99	1.00	1.01	1.02	1.03
2098	0.99	1.00	1.01	1.02	1.03	1.04
2099	1.00	1.01	1.02	1.03	1.04	1.05
2100	1.01	1.02	1.03	1.04	1.05	1.06

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66/C/4.1

METHODS OF APPLICATION OF FERTILISER

(WBT)

Methods of application of fertiliser - Woburn Broadmead I, 1966
the second year - spring wheat.

Design: 3 x 3 x 3 in 3 blocks of 9 plots together with 3 additional
plots per block.

Area of each plot: 0.0212. Area harvested: 0.0126.

Treatments: 3 x 3 x 3: All combinations of:-

To wheat 1966:

1. Levels of N, P and K:

N	P ₂ O ₅	K ₂ O	
None	None	None	(F0)
0.66	0.66	1.02	(F1)
1.32	1.32	2.03	(F2)

P as superphosphate, K as muriate of potash, both
applied in seedbed. N as 'Nitro-Chalk', half in
seedbed, half top-dressed.

To potatoes 1965:

2. Levels of compound (13:13:20) to supply:

N	P ₂ O ₅	K ₂ O	
0.66	0.66	1.02	(L1)
1.32	1.32	2.03	(L2)
2.00	2.00	3.07	(L3)

3. Methods of application: Broadcast (B), placed (P),
broadcast and rotary cultivated in (BR).

Additional plots:

To wheat 1966: NPK: F0, F1, F2 as above to plots receiving no
fertiliser in 1965.

Basal applications: Manures: None. Weedkillers: Sodium trichloroacetate
at 18 lb in 40 gals on 2 occasions, Mecoprop/2,4-D (Methoxone Extra at
6 pints in 35 gals).

Cultivations, etc.: Deep-tine cultivated: Oct 18, 1965. Sprayed (Sodium
trichloroacetate): Oct 22 and Dec 29. Seed drilled at 170 lb:
Mar 15, 1966. Sprayed (Mecoprop/2,4-D): May 10. Combine harvested:
Sept 6. Variety: Kloka.

NOTE: For the previous year's results see 'Results' 65/C/5.

Standard error per plot.

Grain: 2.78 or 7.2% (21 d.f.)