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64/R/BN/A/5 Barnfield - Potatoes and Mangolds

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64/A/5.1

MANGOLDS AND POTATOES - BARNFIELD 1964

(BN)

For history, treatments etc., see 'Details', and 'Results'
62/A/5.

In 1964 the rate of application of P2O5 was increased to 122.5 lb per acre, thus permitting the use of compound 0:14:28 on strips 2, 4 and 6. Granular superphosphate was applied to strips 5 and 7 (at 645 lb per acre, supplying 122.5 lb P2O5). Potash, sodium and magnesium were applied normally.

Cultivations, etc.: Dung applied: Dec 19, 1963. Ploughed:
Jan 17 - Feb 5, 1964. Mineral fertilisers applied to strips:
May 13.

Mangolds: N fertilisers applied: May 14, 1964. Seed drilled at
9 lb: May 15. Singled: June 16 - July 2. Sprayed with menazon
at 0.38 lb in 35 gals: July 23. Lifted: Oct 8.

Potatoes: N fertilisers applied, all plots rotary cultivated:
May 14, 1964. Rotary cultivated 2nd time, potatoes machine
planted: May 15. Earthed up: June 29. Sprayed twice with
mancozeb at 1.2 lb in 35 gals: July 1 and Aug 6. Haulm
destroyed mechanically: Sept 22. Lifted: Sept 29.

Treatment symbols:

		N cwt per acre
NO	=	None
N1	=	0.6
N2	=	1.2
N3	=	1.8

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SUMMARY OF RESULTS

MANGOLDS, ROOTS

Strip	N	O	N	A	AC	C
1	0	10.78	21.21	14.31	13.64	8.42
	1		25.51	23.23	14.90	16.33
	2		22.22	20.04	20.04	13.89
	3		22.39	24.92	20.88	27.95
2	0	13.86	21.05	23.57	15.15	15.57
	1		23.74	21.80	19.78	17.43
	2		26.10	17.01	20.54	18.69
	3		31.32	19.78	19.11	17.09
4	0	5.96	10.52	13.64	14.98	8.42
	1		15.49	10.86	16.67	19.36
	2		21.47	16.16	16.92	18.35
	3		22.73	15.57	13.30	19.28
5	0	5.70	7.58	10.78	12.38	8.59
	1		17.01	11.20	11.62	12.46
	2		17.34	11.28	14.82	11.11
	3		31.82	11.79	10.10	12.46
6	0	4.76	9.18	8.84	13.05	8.17
	1		17.59	12.71	12.96	15.74
	2		18.27	13.05	12.71	18.60
	3		20.79	12.96	19.36	19.11
7	0	4.78	14.31	13.55	13.13	11.95
	1		15.91	17.59	13.97	13.64
	2		17.26	14.82	14.31	20.54
	3		20.88	19.53	19.70	20.71
8	0	3.96	5.47	6.90	11.20	10.69
	1		11.20	9.01	11.36	13.30
	2		13.13	9.60	11.70	12.04
	3		17.93	8.08	12.21	12.12
9	0		8.42			
	1		13.97			
	2		16.75			
	3		16.50			

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MANGOLDS, LEAVES

Strip	N	O	N	A	AC	C
1	0	4.20	7.74	4.80	5.89	4.04
	1		8.42	6.40	6.23	6.23
	2		7.58	5.81	7.07	5.56
	3		7.24	7.58	6.82	9.09
2	0	5.47	10.02	9.01	7.41	6.65
	1		8.25	7.66	8.33	6.82
	2		10.02	7.49	7.32	7.07
	3		11.11	8.17	8.08	7.32
4	0	2.21	4.88	4.29	5.98	4.04
	1		5.14	3.54	5.89	6.48
	2		7.58	4.97	6.82	6.23
	3		8.33	4.97	5.89	7.66
5	0	1.81	2.69	3.03	4.29	3.20
	1		5.14	3.20	4.80	3.62
	2		6.15	3.45	4.97	4.04
	3		9.43	3.70	3.87	4.38
6	0	1.78	3.45	2.95	4.80	2.78
	1		5.47	3.45	4.21	4.88
	2		6.40	4.13	4.46	5.72
	3		6.23	5.05	6.82	6.15
7	0	1.92	4.46	4.55	5.05	4.04
	1		5.05	5.14	5.30	3.96
	2		5.47	4.29	5.56	6.65
	3		6.73	5.64	6.57	6.99
8	0	1.81	2.53	2.10	4.13	3.62
	1		3.87	3.28	3.70	4.55
	2		4.04	3.62	3.96	3.70
	3		6.06	3.03	4.38	4.21
9	0		3.28			
	1		4.21			
	2		5.72			
	3		5.64			

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MANGOLDS, PLANT NUMBER

Strip	N	O	N	A	AC	C
1	0	12.8	24.3	20.4	20.9	23.0
	1		23.0	24.1	20.4	22.6
	2		22.3	21.1	23.4	16.6
	3		21.9	22.3	23.4	22.6
2	0	21.3	22.8	22.3	18.5	19.0
	1		22.1	23.2	18.7	19.4
	2		21.5	18.5	18.7	18.9
	3		21.9	20.6	17.2	17.2
4	0	23.3	21.5	17.2	19.2	19.0
	1		21.1	20.4	18.7	15.7
	2		19.4	20.0	14.3	15.8
	3		20.9	19.2	9.6	14.0
5	0	20.7	21.5	19.0	21.9	23.8
	1		22.4	19.8	16.2	23.9
	2		23.4	20.0	23.2	20.9
	3		21.7	22.3	10.7	24.5
6	0	20.9	15.7	17.5	18.9	21.5
	1		21.9	17.3	17.5	22.4
	2		21.1	14.9	13.8	21.9
	3		20.2	12.3	21.1	22.1
7	0	22.0	23.2	19.2	21.3	22.8
	1		24.3	19.8	15.5	22.3
	2		22.1	18.1	15.1	22.4
	3		21.9	18.1	19.6	21.7
8	0	13.9	20.7	22.4	21.3	21.1
	1		20.9	21.9	20.4	23.4
	2		22.1	21.5	21.9	21.1
	3		22.1	21.5	21.3	22.4
9	0		20.0			
	1		20.6			
	2		21.3			
	3		20.9			

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POTATOES, TOTAL TUBERS

Strip	N	O	N	A	AC	C
1	0	6.63	9.02	13.23	10.11	10.26
	1		8.37	11.49	10.23	9.44
	2		11.30	10.96	11.71	10.52
	3		10.23	9.38	11.61	11.46
2	0	6.54	8.94	8.71	9.05	9.60
	1		9.43	9.68	11.42	10.21
	2		10.50	10.75	11.33	13.09
	3		10.57	12.93	14.27	12.92
4	0	3.22	5.51	6.61	6.40	6.44
	1		7.81	6.29	7.51	7.86
	2		4.92	7.62	8.08	8.58
	3		6.06	7.60	7.89	8.33
5	0	2.95	3.22	2.78	3.91	3.70
	1		3.79	2.67	4.04	4.13
	2		4.34	3.64	4.36	4.08
	3		3.47	2.55	3.58	4.04
6	0	3.03	3.79	5.91	6.25	5.91
	1		5.43	5.98	7.03	5.85
	2		4.38	5.96	8.73	6.27
	3		4.52	6.67	7.99	6.65
7	0	3.53	4.21	2.15	2.97	3.18
	1		4.17	2.82	3.24	3.58
	2		3.11	3.09	3.51	4.48
	3		3.89	3.05	3.98	5.70
8	0	2.03	2.15	2.29	3.37	3.68
	1		3.37	2.29	3.68	4.65
	2		1.85	1.79	3.60	3.81
	3		3.51	2.06	3.81	3.01
9	0		3.94			
	1		5.09			
	2		4.04			
	3		4.00			

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POTATOES % WARE

Strip	N	Q	N	A	AC	C
1	0	86.8	91.6	94.5	87.5	89.2
	1		86.0	89.3	91.7	88.6
	2		90.5	89.6	92.7	91.3
	3		88.3	89.2	91.8	91.7
2	0	83.0	88.4	86.0	87.0	83.3
	1		89.1	85.2	84.3	84.7
	2		88.6	87.3	87.7	88.4
	3		86.4	90.4	86.7	88.9
4	0	80.2	85.1	88.5	83.2	89.9
	1		90.3	85.3	89.6	89.0
	2		87.2	88.1	87.0	86.8
	3		86.8	90.0	87.5	88.6
5	0	83.3	75.8	72.0	80.6	83.0
	1		80.6	73.2	81.8	82.1
	2		80.6	83.8	78.7	80.9
	3		73.3	69.4	80.0	82.3
6	0	77.4	86.7	88.3	87.2	85.4
	1		81.8	85.2	88.3	84.2
	2		81.3	86.2	86.5	91.6
	3		80.5	83.0	86.9	88.6
7	0	78.2	74.0	67.6	68.8	74.8
	1		77.3	73.1	79.2	78.2
	2		68.9	81.6	77.2	80.8
	3		75.1	72.4	77.8	83.4
8	0	76.0	80.4	75.2	81.9	85.7
	1		83.1	69.7	80.0	85.5
	2		70.5	71.8	77.8	86.2
	3		86.8	70.4	82.3	82.5
9	0		89.8			
	1		90.9			
	2		88.5			
	3		87.9			