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Yields of the Field Experiments 1980

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80/R/B/2 Winter Barley Sowing Dates and Pathogen Control

Rothamsted Research

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80/R/B/2

Seed: Hoppel, sown at 160 kg.

Cultivations, etc.: - PK applied, heavy spring-tine cultivated twice: 13 Sept, 1979. Spring-tine cultivated for the first sowing: 14 Sept. Spring-tine cultivated for the second sowing: 9 Oct. Weedkillers applied: 7 Apr. N applied: 9 Apr. Combine harvested: 30 July: Previous crops: S beans 1978, potatoes 1979.

NOTE: Emergence counts were made early in the season. Diseases including viruses were assessed on six occasions. Numbers of stems and grains per ear were counted at maturity and 1000 grain weights were measured.

GRAIN TONNES/HECTARE

***** TABLES OF MEANS *****

MILCON E SOW DATE	NONE	ETHIRIMO	TRIDEMOR	MEAN
14 SEP	11.06	10.85	11.08	11.00
9 OCT	9.36	9.21	9.50	9.36
MEAN	10.21	10.03	10.29	10.18

MILCON M SOW DATE	NONE	TRIDEMOR	MEAN
14 SEP	10.80	11.20	11.00
9 OCT	8.94	9.78	9.36
MEAN	9.87	10.49	10.18

MILCON M MILCON E	NONE	TRIDEMOR	MEAN
NONE	9.66	10.77	10.21
ETHIRIMO	10.09	9.98	10.03
TRIDEMOR	9.87	10.71	10.29
MEAN	9.87	10.49	10.18

MILCON L SOW DATE	NONE	TRIDEMOR	MEAN
14 SEP	11.07	10.92	11.00
9 OCT	9.44	9.28	9.36
MEAN	10.26	10.10	10.18

MILCON L MILCON E	NONE	TRIDEMOR	MEAN
NONE	10.25	10.18	10.21
ETHIRIMO	10.22	9.85	10.03
TRIDEMOR	10.31	10.27	10.29
MEAN	10.26	10.10	10.18

80/R/B/2

GRAIN TONNES/HECTARE

***** TABLES OF MEANS *****

MILCON L MILCON M	NONE	TRIDEMOR	MEAN
NONE	9.87	9.87	9.87
TRIDEMOR	10.64	10.33	10.49
MEAN	10.26	10.10	10.18

MILCON E MILCON M SOW DATE	NONE	TRIDEMOR	ETHIRIMO NONE	TRIDEMOR	TRIDEMOR NONE	TRIDEMOR
14 SEP	10.81	11.32	10.92	10.79	10.67	11.49
9 OCT	8.51	10.22	9.26	9.17	9.06	9.94

MILCON E MILCON L SOW DATE	NONE	TRIDEMOR	ETHIRIMO NONE	TRIDEMOR	TRIDEMOR NONE	TRIDEMOR
14 SEP	11.14	10.99	11.01	10.70	11.07	11.09
9 OCT	9.35	9.38	9.43	9.00	9.54	9.46

MILCON M MILCON L SOW DATE	NONE	TRIDEMOR	TRIDEMOR NONE	TRIDEMOR
14 SEP	10.91	10.69	11.24	11.15
9 OCT	8.83	9.06	10.05	9.50

MILCON M MILCON L MFLCON E	NONE	TRIDEMOR	TRIDEMOR NONE	TRIDEMOR
NONE	9.61	9.71	10.89	10.65
ETHIRIMO	10.23	9.95	10.20	9.75
TRIDEMOR	9.77	9.96	10.84	10.58

SOW DATE	MILCON M MILCON L MILCON E	NONE	TRIDEMOR	TRIDEMOR NONE	TRIDEMOR
14 SEP	NONE	11.24	10.39	11.05	11.59
	ETHIRIMO	10.95	10.89	11.06	10.51
	TRIDEMOR	10.53	10.81	11.61	11.36
9 OCT	NONE	7.97	9.04	10.72	9.72
	ETHIRIMO	9.51	9.01	9.34	8.99
	TRIDEMOR	9.01	9.11	10.07	9.80

INSCTCDE SOW DATE	NONE	DEMETON	MEAN
14 SEP	11.20	10.57	10.89
9 OCT	9.70	9.49	9.60
MEAN	10.45	10.03	10.24

GRAND MEAN 10.19

80/R/B/2

GRAIN TONNES/HECTARE

***** STANDARD ERRORS OF DIFFERENCES OF MEANS *****

TABLE	INSCTCDE	SOW DATE	MILCON E	MILCON M
SED	0.524	0.214 0.524*	0.262	0.214

TABLE	MILCON L	SOW DATE MILCON E	SOW DATE MILCON M	MILCON E MILCON M
SED	0.214	0.371	0.303	0.371

TABLE	SOW DATE MILCON L	MILCON E MILCON L	MILCON M MILCON L	SOW DATE INSCTCDE
SED	0.303	0.371	0.303	0.742

TABLE	SOW DATE MILCON E MILCON L	SOW DATE MILCON M MILCON L	MILCON E MILCON M MILCON L	SOW DATE MILCON E MILCON M
SED	0.524	0.428	0.524	0.524

TABLE	SOW DATE MILCON E MILCON M MILCON L
SED	0.742

* FOR MARGIN OF INSCTCDE.SOW DATE TABLE ONLY

***** STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION *****

STRATUM	DF	SE	CV%
BLOCK.WP	27	0.742	7.3
GRAIN MEAN DM%	82.7		
PLOT AREA HARVESTED	0.00130		