

FIELD EXPERIMENTS 1967.

Serial No. B.1.

Stat. File 20.V.

CROP: Spring Wheat

Field Wheate Close.

VARIETY: Kolibri

EXPERIMENT: Time of drilling x Seedrate x Nitrogen.

TREATMENTS AND LAYOUT: 2 Randomised blocks with split plots.

1. Main plots. Time of drilling

A. Early March.

B. Early April.

2. Sub plots. All combinations of

A. Seedrate - 140, 173, 206, 240 lbs/ac

B. Nitrogen - 60, 90, 120, 150 units/ac

Plot Size: Treatment: 150' x 82"

Harvest: 82" x 113' 10"

Manuring with dates of: 3 cwts 20.15.15 applied in seedbed

Nitrogen top dressing applied as appropriate 24 April & 7 May to early and late plots respectively.

Date of

Variety:

Drilling: 1. 24 March

2. 15 April

Seedrates achieved: 138, 148, 186, 231 lbs/ac

Herbicide: Late May. Oxtril P.

Plant count: 3 August.

Combining: 17 August.

Remark:

There was no true lodging, although some plots were tending to lean 30-40° from vertical.

Previous cropping: 1969 Potatoes

1968 Sp. Barley

1967 S. Beet.

Time of Drilling x Seedrate x NitrogenYield grain (cwts/ac) at 15% m.c.

Nitrogen (units/ ac)	Seedrate (lbs/ac)				Means
	140	173	206	240	
					(\pm 0.44)
EARLY 60	32.4	33.6	34.0	35.1	33.8
EARLY 90	34.5	33.7	34.6	35.9	34.7
EARLY 120	34.8	33.7	34.9	32.1	33.9
EARLY 150	33.6	33.1	33.7	32.3	33.2
Means (\pm 0.44)	33.8	33.5	34.3	33.8	
					(\pm 0.44)
LATE 60	33.2	33.3	32.5	33.3	33.0
LATE 90	34.1	34.5	33.7	33.6	34.0
LATE 120	33.5	33.5	33.1	32.7	33.2
LATE 150	33.6	34.1	33.0	32.2	33.2
Means (\pm 0.44)	33.6	33.8	33.1	32.9	
Overall means (\pm 0.31)	33.7	33.7	33.7	33.4	

S.E. per whole plot = \pm 0.00S.E. per sub plot = \pm 1.23 or 3.66%

Tiller Nos. ('000 per acre)

Units N/ac	Seedrate (lbs/ac)				Means
	140	173	206	240	
					(\pm 133.6)
60	2200	2483	2472	3441	2649
EARLY 90	2396	3027	2265	3133	2705
120	2526	2810	2516	2799	2663
150	2980	2461	2254	2635	2583
Means (\pm 133.6)	2526	2695	2377	3002	
					(\pm 133.6)
60	2156	2385	2428	2363	2333
LATE 90	2232	2330	2603	2483	2412
120	2755	2222	2875	2592	2611
150	2298	2298	2657	2603	2464
Means (\pm 133.6)	2360	2309	2641	2510	
Overall Means (\pm 94.5)	2443	2502	2509	2756	